বাংলাদেশ পানি উন্নয়ন বোর্ড

Project Management Office
Climate-Resilient Integrated Southwest
Project for Water Resources Management
(CRISP-WRM), BWDB, Dhaka.
email: bwdb.pd.crisp@gmail.com

প্রকল্প ব্যবস্থাপনা দপ্তর
গোপালগঞ্জ জেলার টুঙ্গিপাড়া-কোটালীপাড়া উপজেলার
জলাবদ্ধতা নিরসনে সমন্বিত পানি সম্পদ ব্যবস্থাপনা
বাস্তবায়ন প্রকল্প, বাপাউবো, ঢাকা।
email: bwdb.pd.crisp@gmail.com

Memo No. PMO/190 **Dated: 11/11/2024**

To

Superintending Engineer
Design & Research Circle-05
Pani Bhaban,72, Green Road,
BWDB, Dhaka.

Subject: Design data for Re-excavation of Hiron branch khal 0.678 km, Hiron middle para khal 0.714 km, Boroi hati khal 0.600 km, Rakhila bari khal 1.768 km, Gazir khal 2.325 km, Silna-shir khal 1.570 km, Gabir beel khal 2.170 km, Khanar par khal 2.330 km, Dola beel khal 2.260 km, Dhulorujir khal 0.950 km, Doapura khal-1: 1.404 km, Kochu khal 2.310 km, Aria khal 0.605 km, Barsha para khal 2.020 km, Nawdanga khal 1.002 km, Bhangar khal 2.682 km, Bhangar branch khal 1.842 km, Basa bari khal 1.660 km, Guadna west para khal 0.942 km in polder-2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Ref : EE, SMO Specialized Division, IDWRM-KT (CRISP-WRM), BWDB, Gopalganj memo no. 430 dated: 30.10.2024

In reference to subject, design data for below mentioned work are attached herewith for preparation of working design which have construction program during 2024-25.

Sl	Name of Division	Name of Work	Remarks
1	SMO Specialized Division, IDWRM-KT (CRISP-WRM), BWDB, Gopalganj.	Re-excavation of Hiron branch khal 0.678 km, Hiron middle para khal 0.714 km, Boroi hati khal 0.600 km, Rakhila bari khal 1.768 km, Gazir khal 2.325 km, Silna-shir khal 1.570 km, Gabir beel khal 2.170 km, Khanar par khal 2.330 km, Dola beel khal 2.260 km, Dhulorujir khal 0.950 km, Doapura khal-1: 1.404 km, Kochu khal 2.310 km, Aria khal 0.605 km, Barsha para khal 2.020 km, Nawdanga khal 1.002 km, Bhangar khal 2.682 km, Bhangar branch khal 1.842 km, Basa bari khal 1.660 km, Guadna west para khal 0.942 km in polder-2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.	

You are requested to take necessary action in this regard.

Enclosed: As stated.

11/11/24

(Md. Abu Baker Siddique Bhuayan)
Project Director
CRISP-WRM
BWDB, Dhaka.

CC.

1. Additional Director General, West Region, BWDB, Dhaka.
2. CSO to DG, BWDB, Dhaka.
3. Executive Engineer, SMO Specialized Division, IDWRM-KT (CRISP-WRM), BWDB, Gopalganj.
4. Office Copy.

Sub-Project Management Office
Implementation of Integrated Water Resources Management for improvement of Dranage Congestion in Tungipara & Kotalipara upozila under Gopalgonj district,BWDB, Gopalgonj.
Email: xen.smo1.crisp@gmail.com

বাংলাদেশ পানি উন্নয়ন বোর্ড

উপ- প্রকল্প ব্যবস্থাপনা দপ্তর
গোপালগঞ্জ জেলার টুঙ্গিপাড়া কোটালীপাড়া উপজেলার জলাবদ্ধতা নিরসনে সমন্বিত পানি সম্পদ ব্যবস্থাপনা বাস্তবায়ন প্রকল্প, বাপাউবো, গোপালগঞ্জ।
ই-মেইলঃ xen.smo1.crisp@gmail.com

Memo: 430

Date: 30/10/2024

To,
Project Director
Project Management Office (OMO),
IDWRM-KT, (CRISP-WRM)
WAPDA BHABAN, Motijheel C/A
Dhaka-1000

Subject: **Submission of Design Data for Re-excavation of Hiron branch khal 0.678 km, Hiron middle para khal 0.714 km, Boroi hati khal 0.600 km, Rakhila bari khal 1.768 km, Gazir khal 2.325 km, Silna-shir khal 1.570 km, Gabir beel khal 2.170 km, Khanar par khal 2.330 km, Dola beel khal 2.260 km, Dhulorujir khal 0.950 km, Doapura khal-1: 1.404 km, Kochu khal 2.310 km, Aria khal 0.605 km, Barsha para khal 2.020 km, Nawdanga khal 1.002 km, Bhangar khal 2.682 km, Bhangar branch khal 1.842 km, Basa bari khal 1.660 km, Guadna west para khal 0.942 km in polder-2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.**

Sir,

With due respect, Enclosed Please find herewith the design data for following works in Tarail Pachuria Sub-Project under IDWRM-KT, (CRISP-WRM) Project during the year 2024-25 for further necessary action.

Sl. No.	Name of work	Remark
01	Design Data for Re-excavation of Hiron branch khal 0.678 km, Hiron middle para khal 0.714 km, Boroi hati khal 0.600 km, Rakhila bari khal 1.768 km, Gazir khal 2.325 km, Silna-shir khal 1.570 km, Gabir beel khal 2.170 km, Khanar par khal 2.330 km, Dola beel khal 2.260 km, Dhulorujir khal 0.950 km, Doapura khal-1: 1.404 km, Kochu khal 2.310 km, Aria khal 0.605 km, Barsha para khal 2.020 km, Nawdanga khal 1.002 km, Bhangar khal 2.682 km, Bhangar branch khal 1.842 km, Basa bari khal 1.660 km, Guadna west para khal 0.942 km in polder-2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.	

Encl: Design Data -1 (One) Sets

SDE/PMO
Pl. take o/a.
30/10/24

Yours Obedienty,

30/10/24

(Md. Safiqul Islam Sheikh)
Executive Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

Sub-Project Management Office
Implementation of Integrated Water Resources Management for improvement of Dranage Congestion in Tungipara & Kotalipara upozila under Gopalgonj district,BWDB, Gopalgonj.
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ই-মেইলঃ xen.smo1.crisp@gmail.com

Memo: 430

Date: 30/10/2024

To,
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WAPDA BHABAN, Motijheel C/A
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Subject: **Submission of Design Data for Re-excavation of Hiron branch khal 0.678 km, Hiron middle para khal 0.714 km, Boroi hati khal 0.600 km, Rakhila bari khal 1.768 km, Gazir khal 2.325 km, Silna-shir khal 1.570 km, Gabir beel khal 2.170 km, Khanar par khal 2.330 km, Dola beel khal 2.260 km, Dhulorujir khal 0.950 km, Doapura khal-1: 1.404 km, Kochu khal 2.310 km, Aria khal 0.605 km, Barsha para khal 2.020 km, Nawdanga khal 1.002 km, Bhangar khal 2.682 km, Bhangar branch khal 1.842 km, Basa bari khal 1.660 km, Guadna west para khal 0.942 km in polder-2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.**

Sir,

With due respect, Enclosed Please find herewith the design data for following works in Tarail Pachuria Sub-Project under IDWRM-KT, (CRISP-WRM) Project during the year 2024-25 for further necessary action.

Sl. No.	Name of work	Remark
01	Design Data for Re-excavation of Hiron branch khal 0.678 km, Hiron middle para khal 0.714 km, Boroi hati khal 0.600 km, Rakhila bari khal 1.768 km, Gazir khal 2.325 km, Silna-shir khal 1.570 km, Gabir beel khal 2.170 km, Khanar par khal 2.330 km, Dola beel khal 2.260 km, Dhulorujir khal 0.950 km, Doapura khal-1: 1.404 km, Kochu khal 2.310 km, Aria khal 0.605 km, Barsha para khal 2.020 km, Nawdanga khal 1.002 km, Bhangar khal 2.682 km, Bhangar branch khal 1.842 km, Basa bari khal 1.660 km, Guadna west para khal 0.942 km in polder-2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.	

Encl: Design Data -1 (One) Sets

Yours Obedienty,

30/10/24

(Md. Safiqul Islam Sheikh)
Executive Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

BANGLADESH WATER DEVELOPMENT BOARD

Design Data for Re-excavation of 19 no khals - Hiron branch khal 0.678 km, Hiron middle para khal 0.714 km, Boroi hati khal 0.600 km, Rakhila bari khal 1.768 km, Gazir khal 2.325 km, Silna-shir khal 1.570 km, Gabir beel khal 2.170 km, Khanar par khal 2.330 km, Dola beel khal 2.260 km, Dhulorujir khal 0.950 km, Doapura khal-1: 1.404 km, Kochu khal 2.310 km, Aria khal 0.605 km, Barsha para khal 2.020 km, Nawdanga khal 1.002 km, Bhangar khal 2.682 km, Bhangar branch khal 1.842 km, Basa bari khal 1.660 km, Guadna west para khal 0.942 km in polder-2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Name of the Project	**:**	**Implementation of integrated water resources management for improvement of Drainage congestion in Tungipara and Kotalipara Upazila under Gopalganj District.**
Name of the Office	**:**	**Sub-Project Management Office, IDWRM-KT (CRISP-WRM) Specialized Division, BWDB, Gopalganj.**

TECHNICAL REPORT

This data checklist has been prepared for the design of the Re-excavation of Hiron branch khal 0.678 km, Hiron middle para khal 0.714 km, Boroi hati khal 0.600 km, Rakhila bari khal 1.768 km, Gazir khal 2.325 km, Silna-shir khal 1.570 km, Gabir beel khal 2.170 km, Khanar par khal 2.330 km, Dola beel khal 2.260 km, Dhulorujir khal 0.950 km, Doapura khal-1: 1.404 km, Kochu khal 2.310 km, Aria khal 0.605 km, Barsha para khal 2.020 km, Nawdanga khal 1.002 km, Bhangar khal 2.682 km, Bhangar branch khal 1.842 km, Basa bari khal 1.660 km, Guadna west para khal 0.942 km, in polder-2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during 2024-2025.

The Tarail Pachuria Sub-Project is located in Gopalganj Sadar & Tungipara Upazila of Gopalganj district. In this sub-project, many hydraulic structures i.e., Drainage Sluices and Outlets constructed in different periods. But the sluice connecting khal & other drainage khal and Internal natural Khals have not been re-excavated for a long time. So, all kinds of khals are mostly silted up. For this reason, drainage systems are not operated successfully. In the rainy season, a vast area of the polder-2 is waterlogged and damages the standing crops, properties, and livelihood. As per the demand of local people & affected farmers, the re-excavation of This 19 nos Khals have been included in the CRISP-WRM Project. The length of the of 19 no khals are 29.832 KM. The Khals need to be re-excavated for the improvement of the drainage facility. For this re-excavation, a design is required.

Abave mention khals are included in the DPP in package no: TP-KEX-10. Dafadar bari haloter khal, Ebadat khar bari-Bachu sheikh bari khal, Mohisar khal, Rupa hati branch khal, Chaprail khal, Kata khal 6 nos khal are also included in this DPP package. But at the time of survey it is found that these 6 nos khal have already been excavated by other govt. agencies. So, these 6 nos khals are excluded to avoid overlapping of re-excavation.

Necessary Design data has been collected, processed, and submitted herewith for preparing the design.

30/10/24
(Md. Safiqul Islam Sheikh)
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BWDB, Gopalganj

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

INDEX
OF
19 NOS RE-EXCAVATION OF KHAL

SI	Name of Khal	Excavation Length (Km)	Page		Remarks
			From	To	
1	Hiron branch khal	0.678			
2	Hiron middle para khal	0.714			
3	Boroi hati khal	0.600			
4	Rakhila bari khal	1.768			
5	Gazir khal	2.325			
6	Silna-shir khal	1.570			
7	Gabir beel khal	2.170			
8	Khanar par khal	2.330			
9	Dola beel khal	2.260			
10	Dhulorujir khal	0.950			
11	Doapura khal-1	1.404			
12	Kochu khal	2.310			
13	Aria khal	0.605			
14	Barsha para khal	2.020			
15	Nawdanga khal	1.002			
16	Bhangar khal	2.682			
17	Bhangar branch khal	1.842			
18	Basa bari khal	1.660			
19	Guadna west para khal	0.942			

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
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30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

30.10.24
(Sadiur Rahman)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Statement

For Re-excavation of Khals

SI. No	Name of Khal	Type of Work	Length (Km)	Proposed Design Value			Outfall	Oftake	Remarks
				Side Slope (Both Side)	Bed Level	Bed Width			
1	Hiron branch khal	Re- excavation	0.678	1:1.50	(-)1.00	5.00	Hiron Khal	Paddy land	
2	Hiron middle para khal	Re- excavation	0.714	1:1.50	(-)1.00	4.00	Hiron Khal	Paddy land	
3	Boroi hati khal	Re- excavation	0.600	1:1.50	(-)1.40	5.00	Sonirvor Khal	Paddy land	
4	Rakhila bari khal	Re- excavation	1.768	1:1.50	(-)1.50	6.00	Chatkhali River	Pond	
5	Gazir khal	Re- excavation	2.325	1:1.50	(-)1.00	3.00	Digharkul Khal	Digharkul Khal	
6	Silna-shir khal	Re- excavation	1.570	1:1.50	(-)1.30	4.00	Singharkul Khal	Guadna west para khal	
7	Gabir beel khal	Re- excavation	2.170	1:1.50	(-)1.00	4.00	Kachidangs Khal	Andar kata teligati khal	
8	Khanar par khal	Re- excavation	2.330	1:1.50	(-)1.00	3.00	Andar kata teligati khal	Doal beel khal	
9	Dola beel khal	Re- excavation	2.260	1:1.50	(-)1.20	3.00	Gopalgonj poisarhat khal	Pond	
10	Dhulorujir khal	Re- excavation	0.950	1:1.50	(-)2.00	5.00	Gazna khal	Rupahati khal	
11	Doapura khal-1	Re- excavation	1.404	1:1.50	(-)1.70	5.00	Chatkhali River	Aria khal	
12	Kochu khal	Re- excavation	2.310	1:1.50	(-)1.50	3.00	Chatkhali River	Hiron Khal	
13	Aria khal	Re- excavation	0.605	1:1.50	(-)1.80	5.00	Ghagar River	Pond	
14	Barsha para khal	Re- excavation	2.020	1:1.50	(-)1.30	3.00	Hiron Khal	Pond	
15	Nawdanga khal	Re- excavation	1.002	1:1.50	(-)1.00	5.00	Hiron Khal	Deep place	
16	Bhangar khal	Re- excavation	2.682	1:1.50	(-)1.50	3.00	Ghagar River	Ghagar River	
17	Bhangar branch khal	Re- excavation	1.842	1:1.50	(-)1.50	5.00	Bhangar khal	Doapura khal-2	
18	Basa bari khal	Re- excavation	1.660	1:1.50	(-)1.20	3.00	Guadana khal	Rupahati branch khal	
19	Guadna west para khal	Re- excavation	0.942	1:1.50	(-)1.50	5.00	Raghunathpur Silna khal	Deep place	

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

31/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

30.10.24
(Sadiur Rahman)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

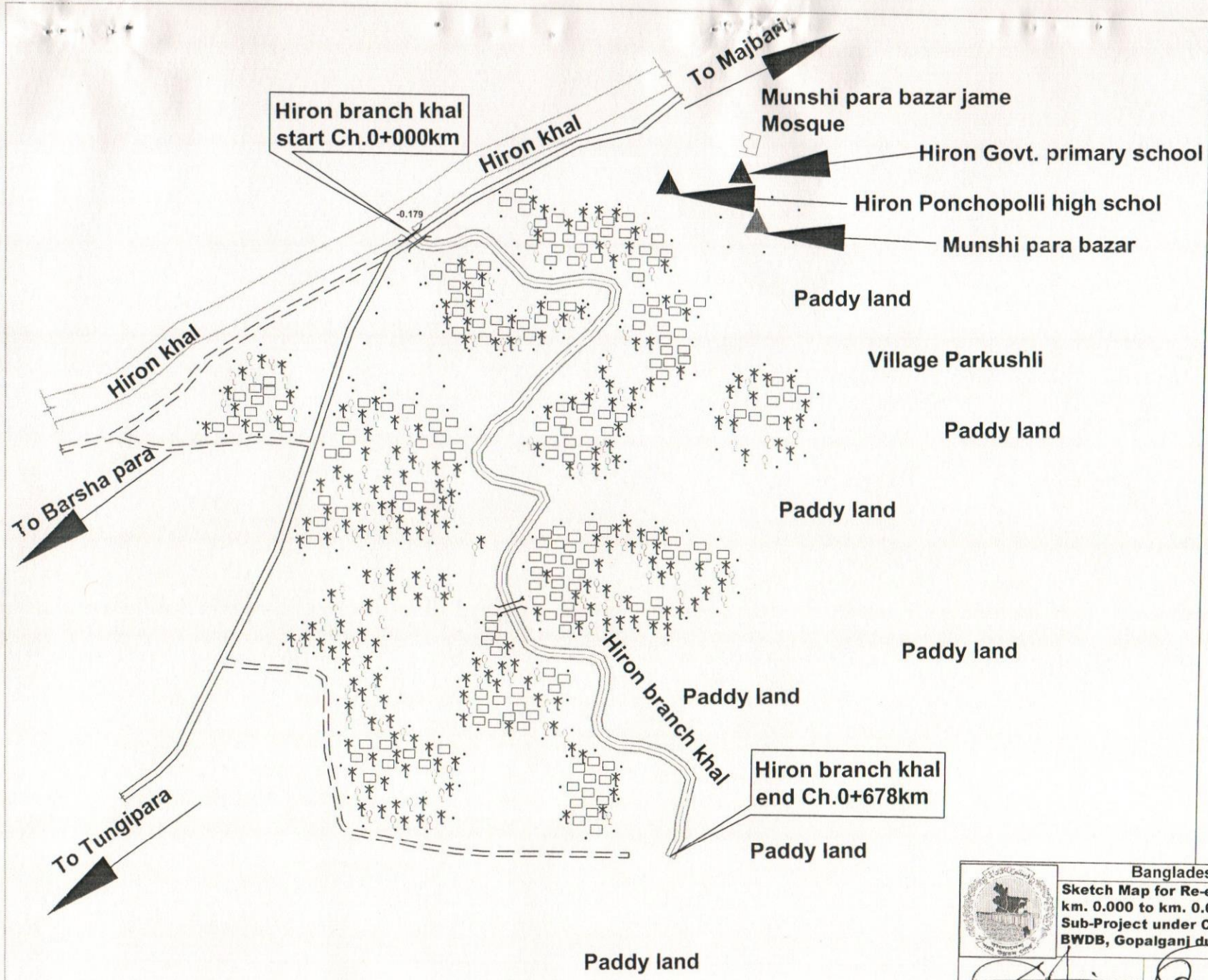
Data Checklist for the Re-excavation of Hiron branch khal

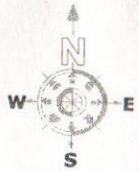
1.	Name of the proposed Khal	:	Hiron branch khal
2.	Catchments Area	:	105.00 Hac
3.	The lowest level up to which drainage requires	:	-0.022 m (PWD)
4.	Avg. Ground level of the area	:	0.916 m (PWD)
5.	Length of the Khal	:	0.678 km
6.	Bed level of the outfall Khal/River	:	(-) 0.229 (PWD) (Hiron khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	5.00m.
10.	The proposed bed level of the Khal	:	(-) 1.00 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	27.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road
- Existing Earthen Road
- Existing HBB Road
- Existing Embankment
- Existing River
- Existing Khal
- Re-excavation of Khal
- Railway Line
- Existing Pond, Ditch
- Existing Bridge/Culvert
- Existing Reg/Sluice
- Structure-Permanent
- Structure-Semipermanent
- Structure-Tin-shed,Hut
- Mosque , Eid-Gaon, Temp , Charch , Temple , Graveyard,
- Hat/Bazar
- School/ College
- Union Parishad
- Home steads/High Land

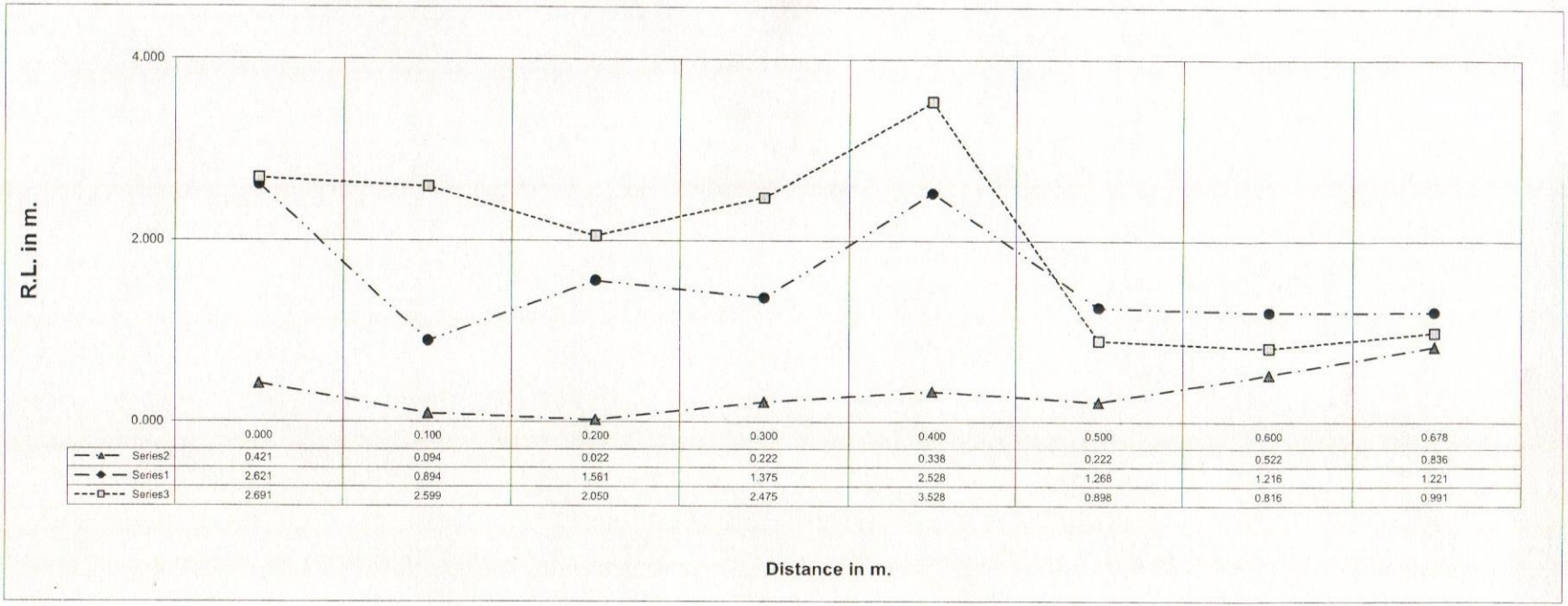
Bangladesh Water Development Board

Sketch Map for Re-excavation of Hiron branch khal from km. 0.000 to km. 0.678 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Hiron branch khal							
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.678
C/L R.L.	0.421	0.094	0.022	0.222	0.338	0.222	0.522	0.836
L/BR.L.	2.621	0.894	1.561	1.375	2.528	1.268	1.216	1.221
R/B R.L.	2.691	2.599	2.050	2.475	3.528	0.898	0.816	0.991

Long Section for re-excavation of Hiron branch khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.678
Series2	0.421	0.094	0.022	0.222	0.338	0.222	0.522	0.836
Series1	2.621	0.894	1.561	1.375	2.528	1.268	1.216	1.221
Series3	2.691	2.599	2.050	2.475	3.528	0.898	0.816	0.991

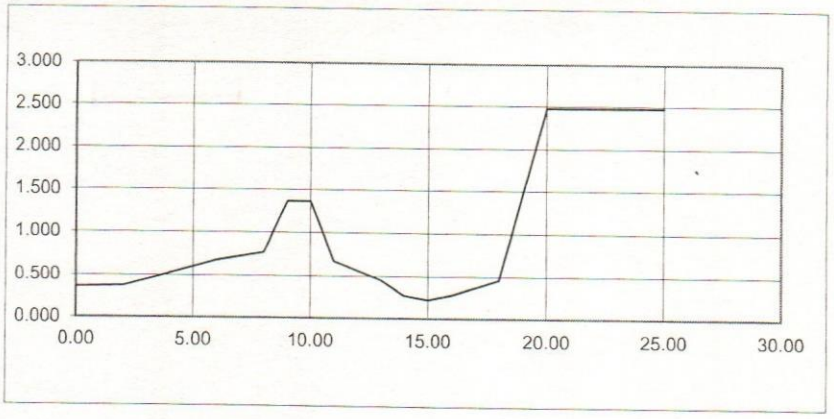
BANGLADESH WATER DEVELOPMENT BOARD

Long Section for Re-excavation of Hiron branch khal from km. 0.000 to km. 0.678 in polder -2 in c/w Taral-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	Sadiur 30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

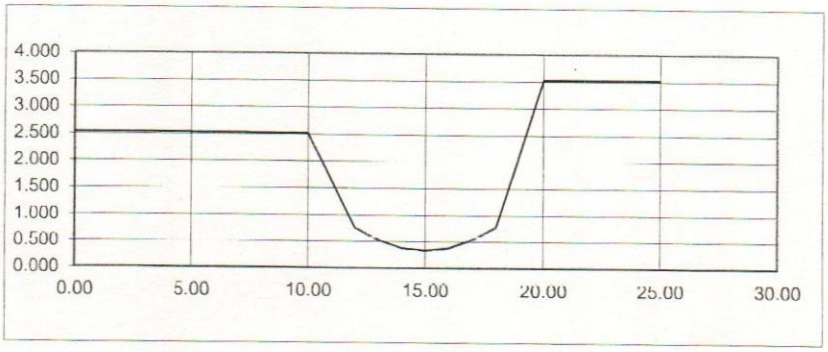
X - Section at km. 0.300

0.00	0.355	Ditch
2.00	0.370	
4.00	0.523	
6.00	0.680	
8.00	0.775	
9.00	1.370	
10.00	1.375	LB
11.00	0.675	
13.00	0.450	
14.00	0.270	
15.00	0.222	CL
16.00	0.280	
18.00	0.455	
20.00	2.475	RB
25.00	2.480	House area



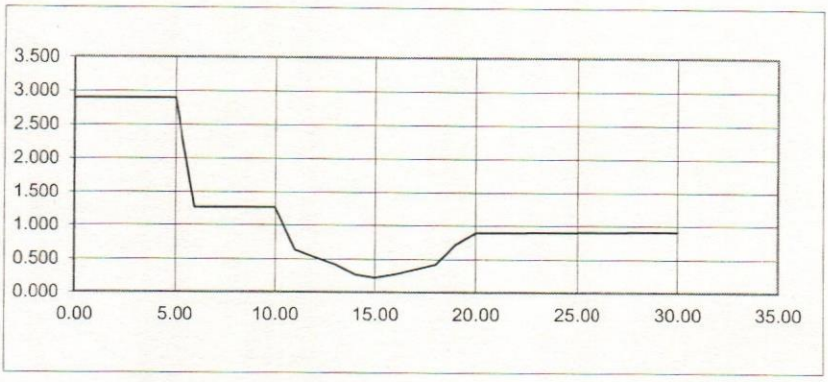
X - Section at km. 0.400

0.00	2.540	Garden
5.00	2.538	
10.00	2.528	LB
12.00	0.763	
13.00	0.528	
14.00	0.380	
15.00	0.338	CL
16.00	0.377	
17.00	0.537	
18.00	0.777	
20.00	3.528	RB
25.00	3.533	House



X - Section at km. 0.500

0.00	2.898	House
5.00	2.893	
6.00	1.273	
10.00	1.268	LB
11.00	0.638	
13.00	0.423	
14.00	0.273	
15.00	0.222	CL
16.00	0.277	
18.00	0.423	
19.00	0.728	
20.00	0.898	RB
25.00	0.907	
30.00	0.916	Paddy land

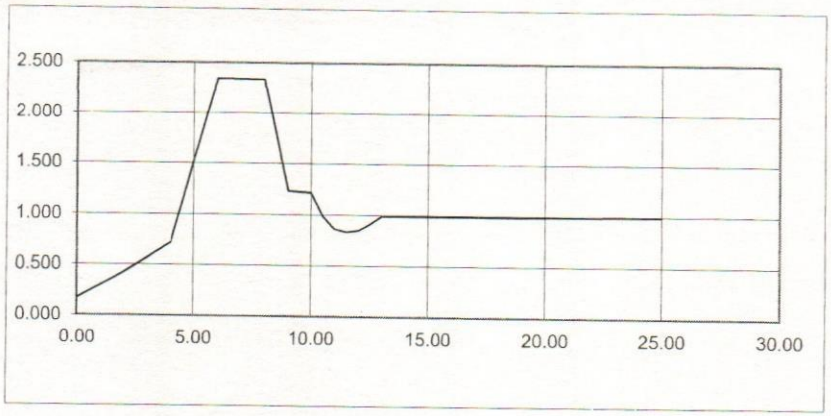


X - Section at km. 0.600

0.00	2.541	Pond bank
5.00	2.536	
8.00	2.526	
9.00	1.211	
10.00	1.216	LB
10.50	0.721	
11.00	0.671	
11.50	0.546	
12.00	0.522	CL
12.50	0.553	
13.00	0.611	
13.50	0.711	
14.00	0.816	RB
20.00	0.821	
25.00	0.836	Paddy land

X - Section at km. 0.678

0.00	0.165	Pond
2.00	0.426	
4.00	0.716	
6.00	2.346	
8.00	2.336	
9.00	1.236	
10.00	1.221	LB
10.50	0.988	
11.00	0.865	
11.50	0.836	CL
12.00	0.851	
12.50	0.916	
13.00	0.991	RB
20.00	0.996	
25.00	1.001	Paddy land



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
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30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
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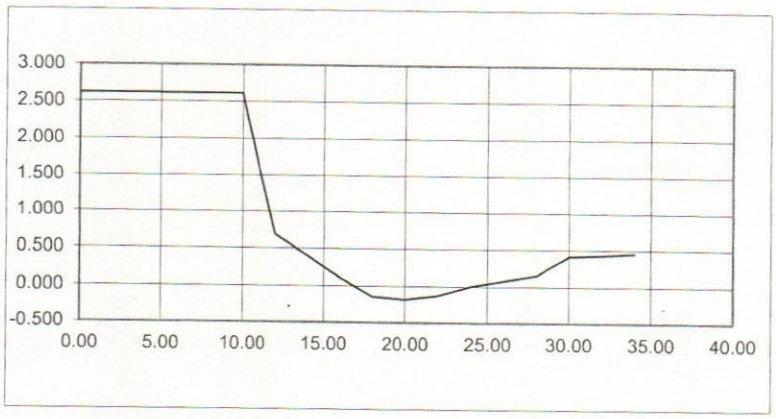
BWDB, Gopalgonj

Cross Section of Out fall khal **(Hiron khal)** Re-excavation of Hiron branch khal from km. 0.000 to km. 0.678 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

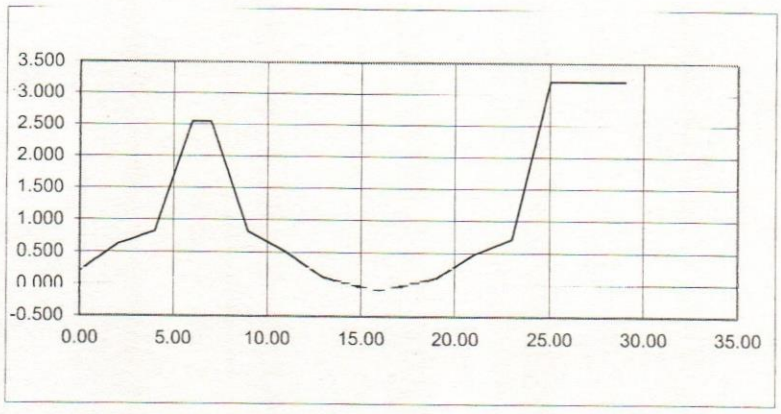
Cross section of Hiron khal along the Hiron branch khal

0.00	2.621	Pond bank
5.00	2.616	
10.00	2.611	LB
12.00	0.691	
14.00	0.406	
16.00	0.121	
18.00	-0.140	
20.00	-0.179	CL
22.00	-0.124	
24.00	0.011	
26.00	0.086	
28.00	0.163	
30.00	0.421	RB
32.00	0.436	
34.00	0.460	Khal bed



Cross section of Hiron khal 50 US from meeting point of Hiron branch khal

0.00	0.211	Pond
2.00	0.616	
4.00	0.821	
6.00	2.556	
7.00	2.551	LB
9.00	0.821	
11.00	0.506	
13.00	0.111	
15.00	-0.037	
16.00	-0.079	CL
17.00	-0.030	
19.00	0.103	
21.00	0.483	
23.00	0.721	
25.00	3.211	RB
29.00	3.206	Erthen reoad



Cross section of Hiron khal 50 DS from meeting point of Hiron branch khal

0.00	2.527	House area
4.00	2.511	
6.00	0.760	
10.00	0.711	LB
12.00	0.306	
14.00	0.160	
16.00	-0.175	
18.00	-0.229	CL
20.00	-0.173	
22.00	0.146	
24.00	0.506	
26.00	2.771	RB
28.00	2.967	
30.00	3.971	
35.00	3.965	Bc road

Bainbunia Khal

30/10/24
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30/10/24
(Mohammad Zahir Mazhar)
1 Sub-Divisional Engineer
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BWDB, Gopalganj.

Sadiur
30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Hiron Middelpara khal

1.	Name of the proposed Khal	:	Hiron Middelpara khal
2.	Catchments Area	:	110.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.169 m (PWD)
4.	Avg. Ground level of the area	:	1.05 m (PWD)
5.	Length of the Khal	:	0.714 km
6.	Bed level of the outfall Khal/River	:	(-) 0.173 (PWD) (Hiron khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	4.00m.
10.	The proposed bed level of the Khal	:	(-) 1.00 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	29.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
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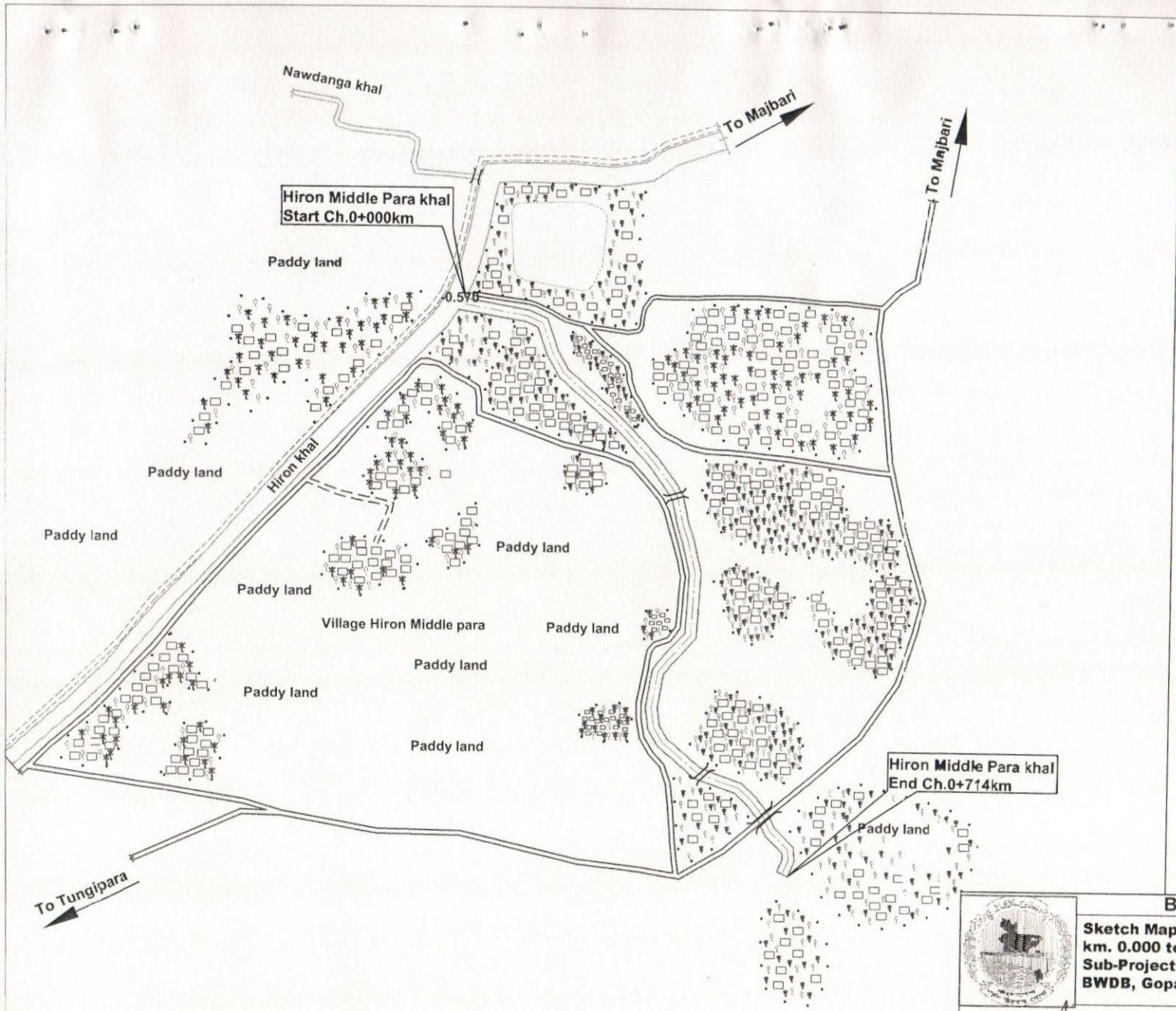
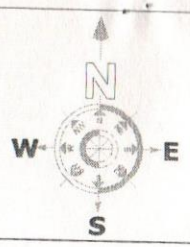




LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

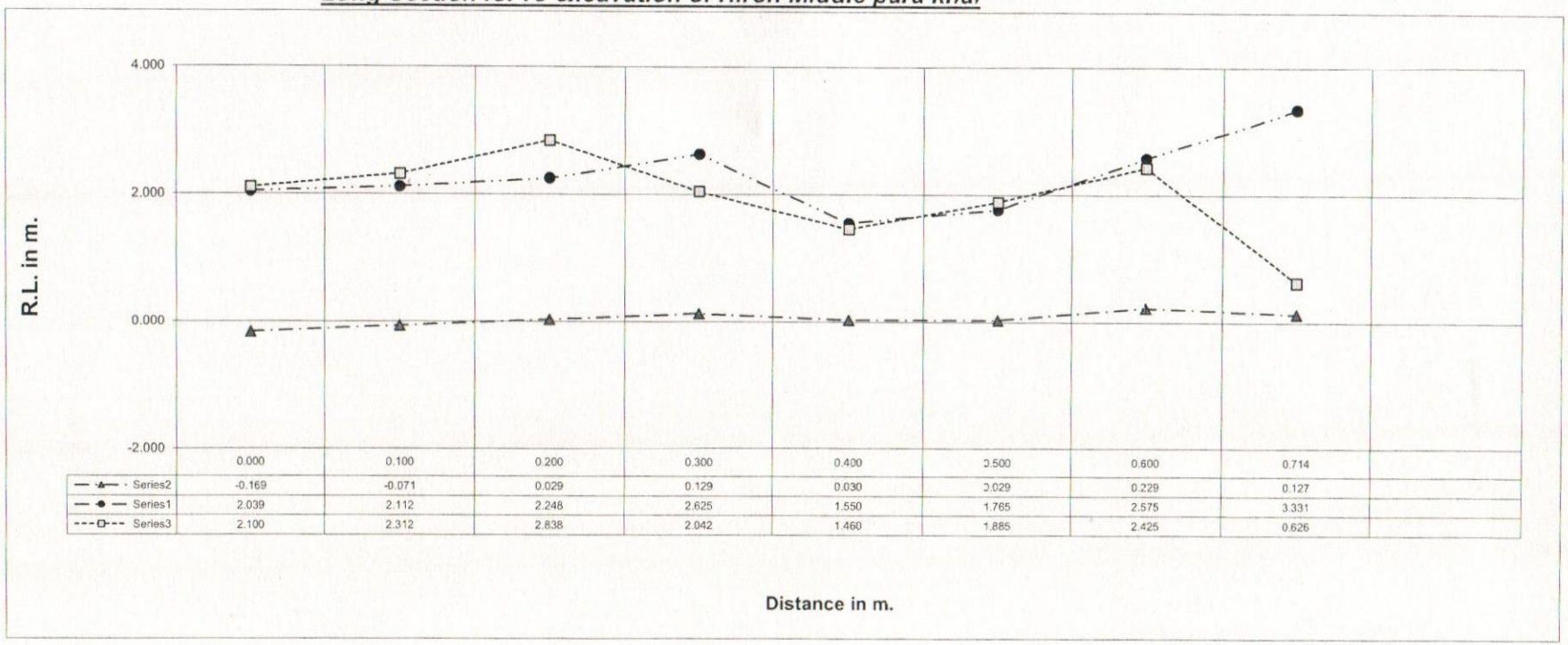
Bangladesh Water Development Board

Sketch Map for Re-excavation of Hiron Middel para khal from km. 0.000 to km. 0.714 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Hiron Middle para khal							
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.714
C/L R.L.	-0.169	-0.071	0.029	0.129	0.030	0.029	0.229	0.127
L/BR.L.	2.039	2.112	2.248	2.625	1.550	1.765	2.575	3.331
R/B R.L.	2.100	2.312	2.838	2.042	1.460	1.885	2.425	0.626

Long Section for re-excavation of Hiron Middle para khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.714
Series2	-0.169	-0.071	0.029	0.129	0.030	0.029	0.229	0.127
Series1	2.039	2.112	2.248	2.625	1.550	1.765	2.575	3.331
Series3	2.100	2.312	2.838	2.042	1.460	1.885	2.425	0.626

BANGLADESH WATER DEVELOPMENT BOARD

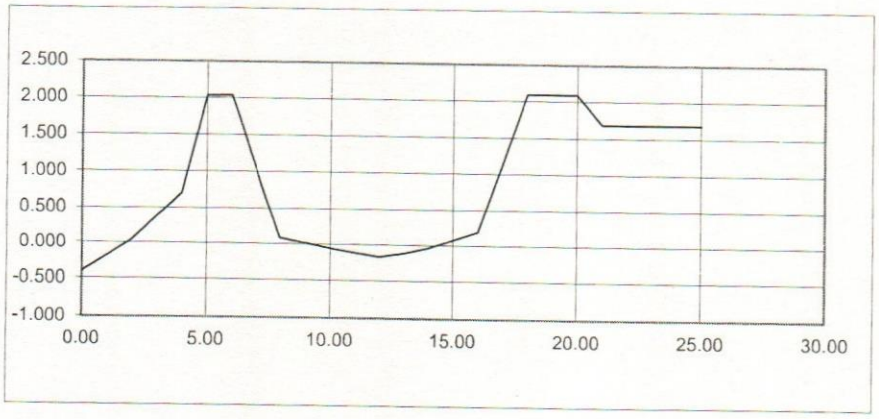
Long Section for Re-excavation of Hiron Middel para khal from km. 0.000 to km. 0.714 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section of Re-excavation of Hiron Middelparakhal from km. 0.000 to km. 0.714 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

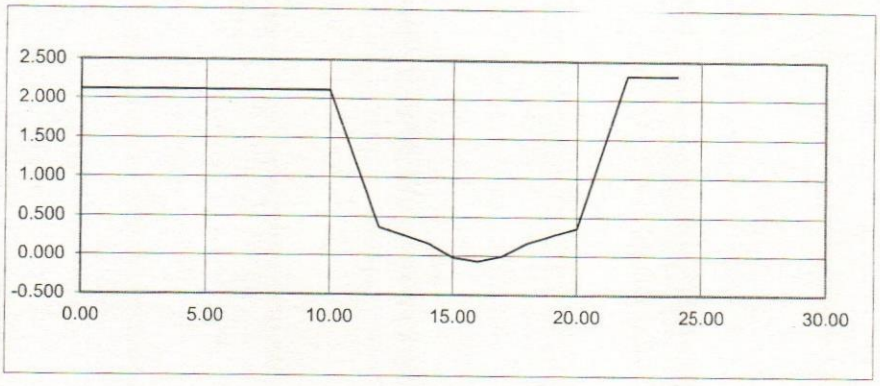
X - Section at km. 0.000

0.00	-0.400	Pond
2.00	0.039	
4.00	0.700	
5.00	2.032	
6.00	2.039	LB
8.00	0.085	
10.00	-0.055	
11.00	-0.118	
12.00	-0.169	CL
13.00	-0.115	
14.00	-0.035	
16.00	0.195	
18.00	2.100	RB
20.00	2.095	
21.00	1.690	HBB road
25.00	1.685	House area



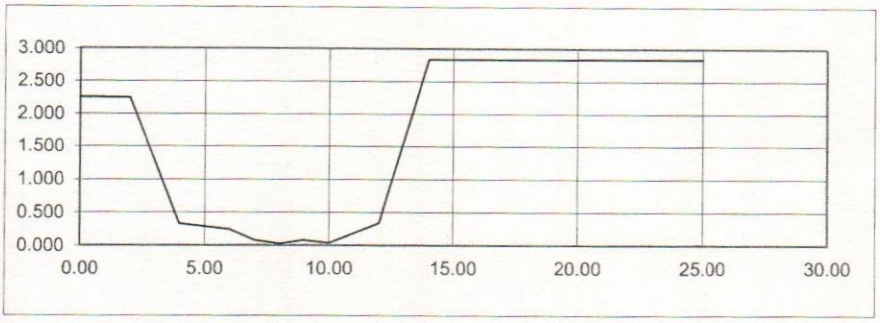
X - Section at km. 0.100

0.00	2.122	House area
5.00	2.117	
10.00	2.112	LB
12.00	0.368	
14.00	0.163	
15.00	-0.015	
16.00	-0.071	CL
17.00	0.001	
18.00	0.168	
20.00	0.363	
22.00	2.312	RB
24.00	2.318	House



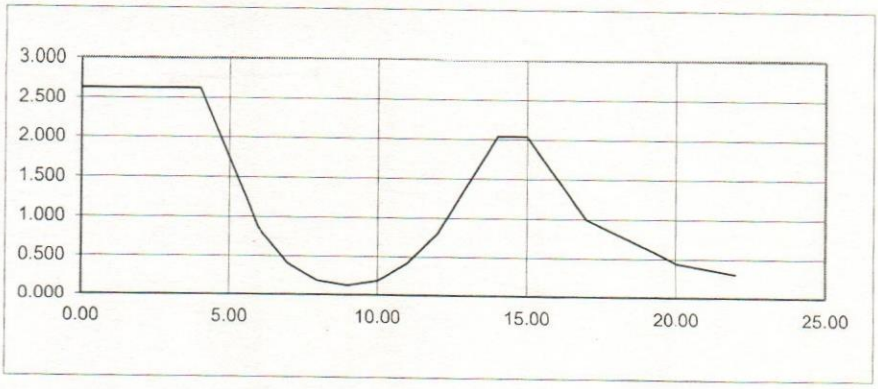
X - Section at km. 0.200

0.00	2.258	House
2.00	2.248	LB
4.00	0.333	
6.00	0.248	
7.00	0.083	
8.00	0.029	CL
9.00	0.087	
10.00	0.038	
12.00	0.343	
14.00	2.838	RB
20.00	2.843	
25.00	2.848	House area



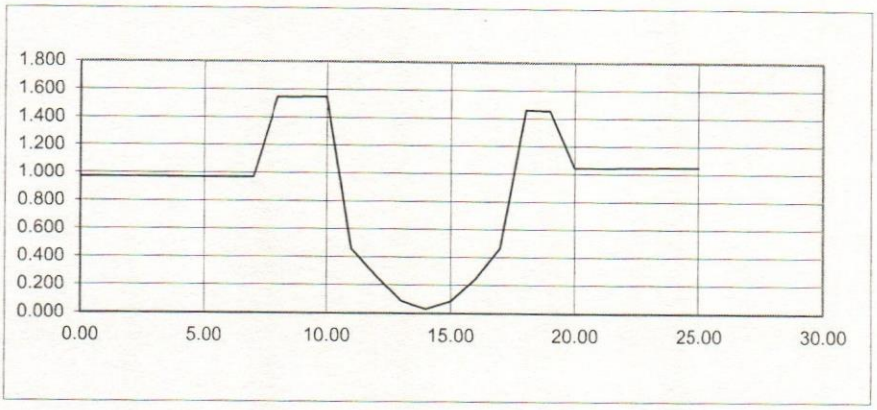
X - Section at km. 0.300

0.00	2.632	HBB road
4.00	2.625	LB
6.00	0.867	
7.00	0.418	
8.00	0.196	
9.00	0.129	CL
10.00	0.197	
11.00	0.427	
12.00	0.797	
14.00	2.042	RB
15.00	2.037	
17.00	1.002	
20.00	0.451	
22.00	0.312	Ditch



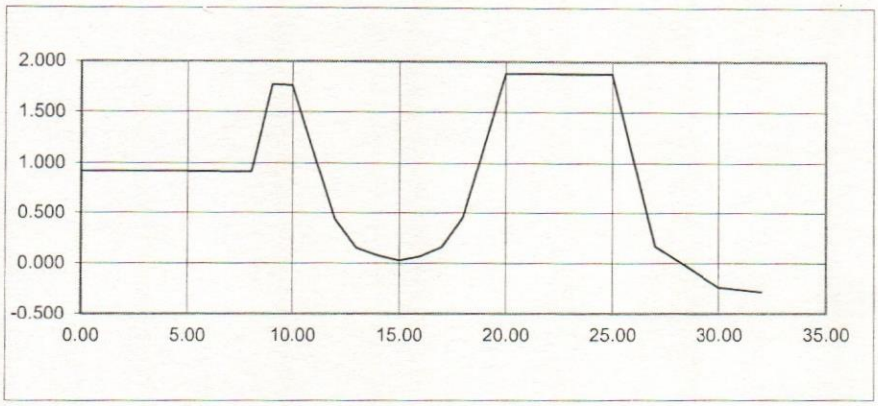
X - Section at km. 0.400

0.00	0.970	Paddy land
7.00	0.965	
8.00	1.545	
10.00	1.550	LB
11.00	0.460	
12.00	0.260	
13.00	0.090	
14.00	0.030	CL
15.00	0.088	
16.00	0.245	
17.00	0.469	
18.00	1.460	RB
19.00	1.455	
20.00	1.045	
25.00	1.050	Paddy land



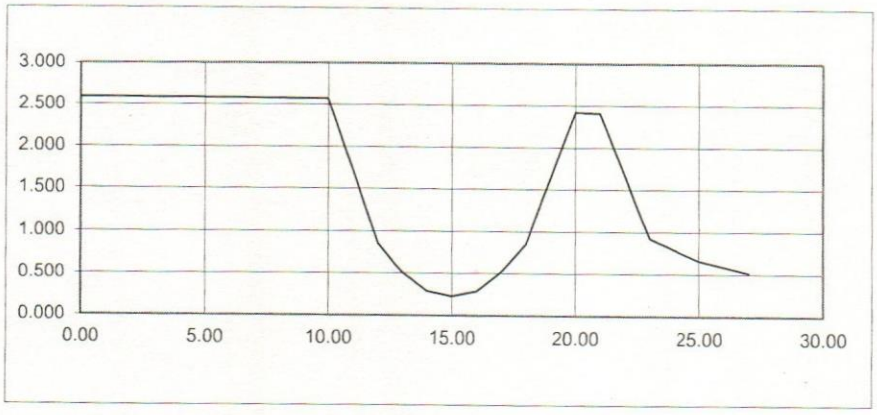
X - Section at km. 0.500

0.00	0.919	Paddy land
5.00	0.915	
8.00	0.910	
9.00	1.775	
10.00	1.765	LB
12.00	0.435	
13.00	0.160	
14.00	0.082	
15.00	0.029	CL
16.00	0.076	
17.00	0.165	
18.00	0.455	
20.00	1.885	RB
25.00	1.880	
27.00	0.170	
30.00	-0.236	
32.00	-0.285	Low land



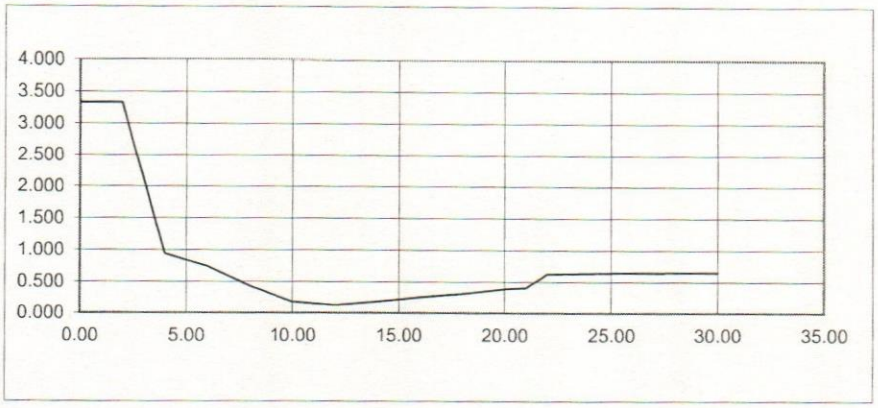
X - Section at km. 0.600

0.00	2.590	Garden
5.00	2.585	
10.00	2.575	LB
12.00	0.853	
13.00	0.510	
14.00	0.285	
15.00	0.229	CL
16.00	0.284	
17.00	0.520	
18.00	0.850	
20.00	2.425	RB
21.00	2.415	
23.00	0.925	
25.00	0.659	
27.00	0.515	Pond



X - Section at km. 0.714

0.00	3.336	Tolite
2.00	3.331	LB
4.00	0.941	
6.00	0.741	
8.00	0.426	
10.00	0.180	
12.00	0.127	CL
14.00	0.183	
16.00	0.258	
18.00	0.311	
20.00	0.391	
21.00	0.411	
22.00	0.626	RB
25.00	0.645	
30.00	0.656	Open land



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30/10/24
(Mohammad Zahir Mazhar)
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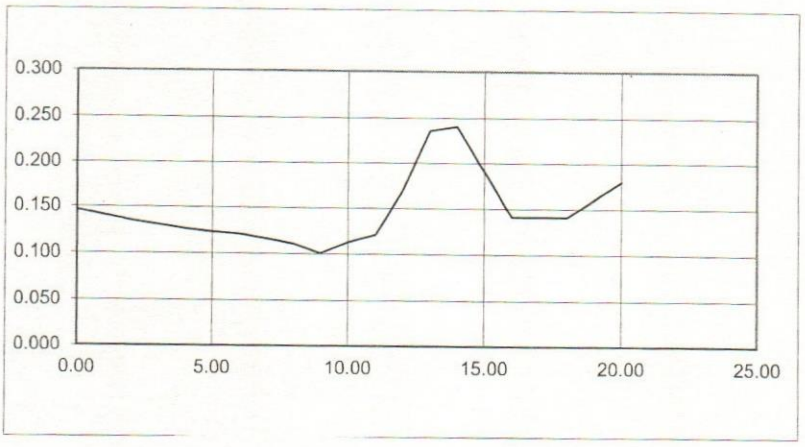
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Outfall river **(Hiron khal)** Re-excavation of Hiron Middle para khal from km. 0.000 to km. 0.714 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

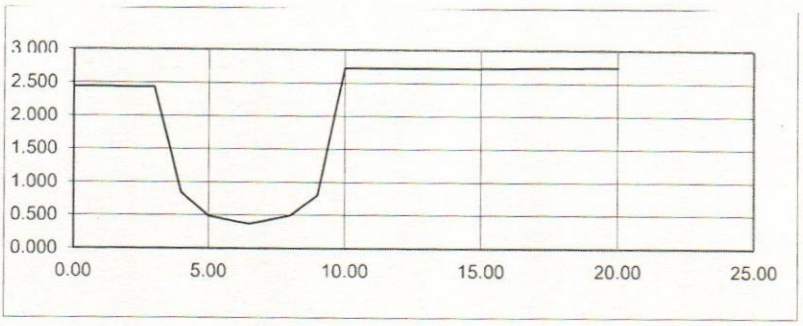
Cross section of Hiron khal along the Hiron Middle para khal

Pre-work		
0.00	0.147	Khal
2.00	0.136	
4.00	0.126	RB
5.00	0.123	
6.00	0.121	
7.00	0.116	
8.00	0.111	
9.00	0.101	CL
10.00	0.113	
11.00	0.121	
12.00	0.169	
13.00	0.236	
14.00	0.241	LB
16.00	0.141	
18.00	0.141	
20.00	0.180	Low land



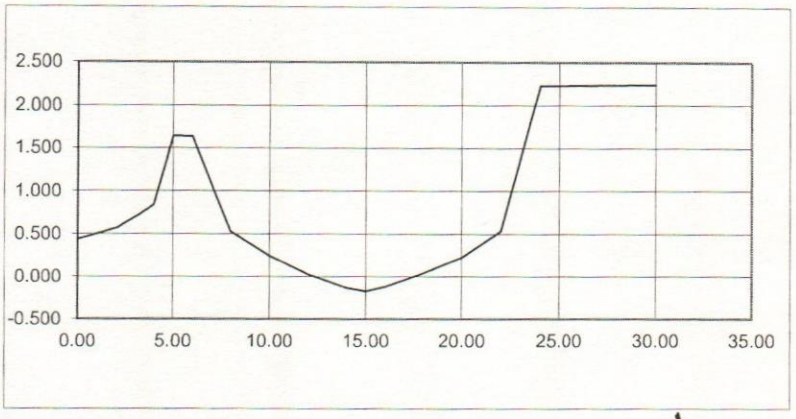
Cross section of Hiron khal 50 US from meeting point of Hiron Middle para khal

0.00	2.447	Grabiet
3.00	2.441	RB
4.00	0.831	
5.00	0.486	
6.00	0.401	
6.50	0.367	CL
7.00	0.403	
8.00	0.491	
9.00	0.803	
10.00	2.731	LB
15.00	2.736	
20.00	2.751	House area



Cross section of Hiron khal 50 DS from meeting point of Hiron Middle para khal

Pre-work		
0.00	0.441	Ditch
2.00	0.566	
4.00	0.841	
5.00	1.636	
6.00	1.631	LB
8.00	0.531	
10.00	0.247	
12.00	0.036	
14.00	-0.129	
15.00	-0.173	CL
16.00	-0.120	
18.00	0.047	
20.00	0.231	
22.00	0.536	RB
24.00	2.231	
30.00	2.247	House area



Bainbunia Khal

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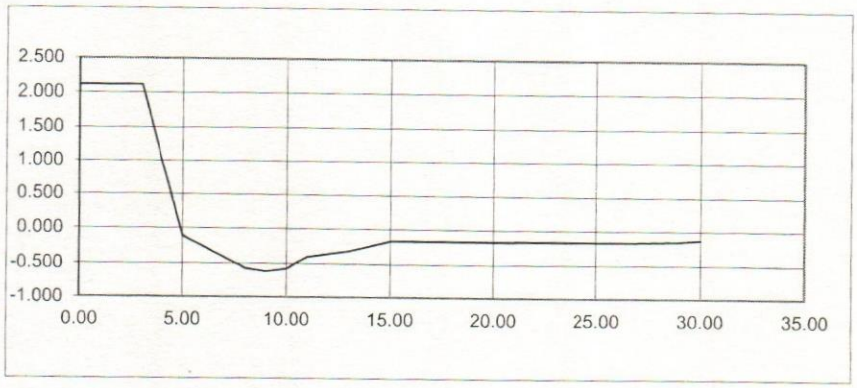
Cross Section of Offtake Khal river **(Hiron khal)** Re-excavation of Hiron Middelparakhal from km. 0.000 to km. 0.714 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

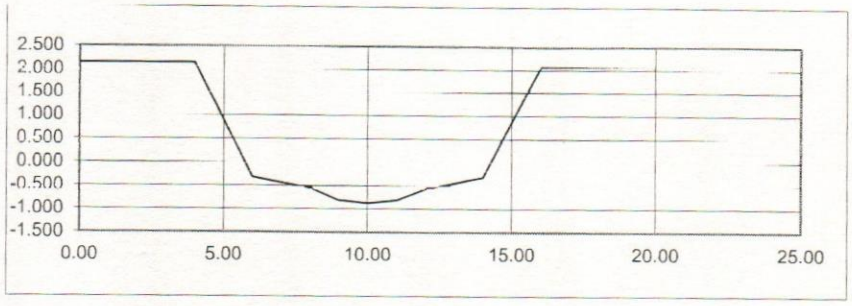
Cross section of Hiron khal along the Hiron Middelpara khal

Pre-work		
0.00	2.120	Erthen road
3.00	2.115	LB
5.00	-0.105	
7.00	-0.410	
8.00	-0.565	
9.00	-0.610	CL
10.00	-0.570	
11.00	-0.400	
13.00	-0.310	
15.00	-0.169	RB
27.00	-0.155	
29.00	-0.138	
30.00	-0.115	Khal



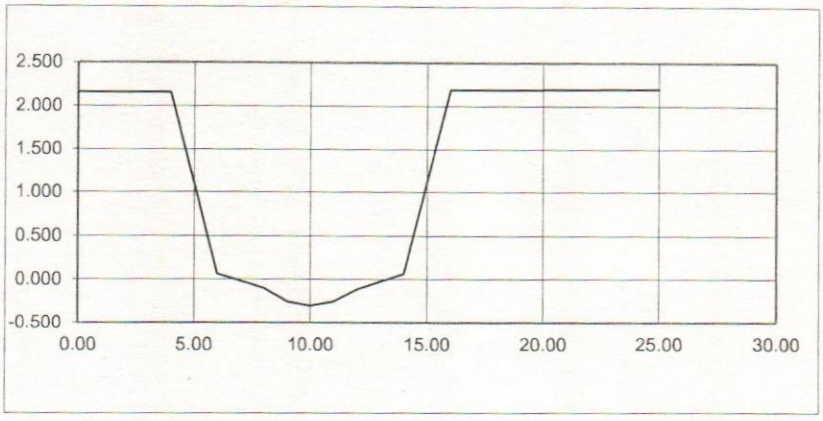
Cross section of Hiron khal 50m US from meeting point of Hiron Middelpara khal

0.00	2.145	Erthen road
4.00	2.150	LB
6.00	-0.310	
8.00	-0.545	
9.00	-0.810	
10.00	-0.869	CL
11.00	-0.815	
12.00	-0.565	
14.00	-0.305	
16.00	2.045	RB
20.00	2.049	House area



Cross section of Hiron khal 50m DS from meeting point of Hiron Middelpara khal

Pre-work		
0.00	2.160	Erthen road
4.00	2.155	LB
6.00	0.065	
8.00	-0.100	
9.00	-0.256	
10.00	-0.300	CL
11.00	-0.255	
12.00	-0.115	
14.00	0.065	
16.00	2.190	RB
20.00	2.195	
25.00	2.200	House area



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Data Checklist for the Re-excavation of Boroi hati khal

1.	Name of the proposed Khal	:	Boroi hati khal
2.	Catchments Area	:	75.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 1.36 m (PWD)
4.	Avg. Ground level of the area	:	0.75 m (PWD)
5.	Length of the Khal	:	0.600 km
6.	Bed level of the outfall Khal/River	:	(-) 0.844 (PWD) (Sonirvor khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	5.00m.
10.	The proposed bed level of the Khal	:	(-) 1.40 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	31.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

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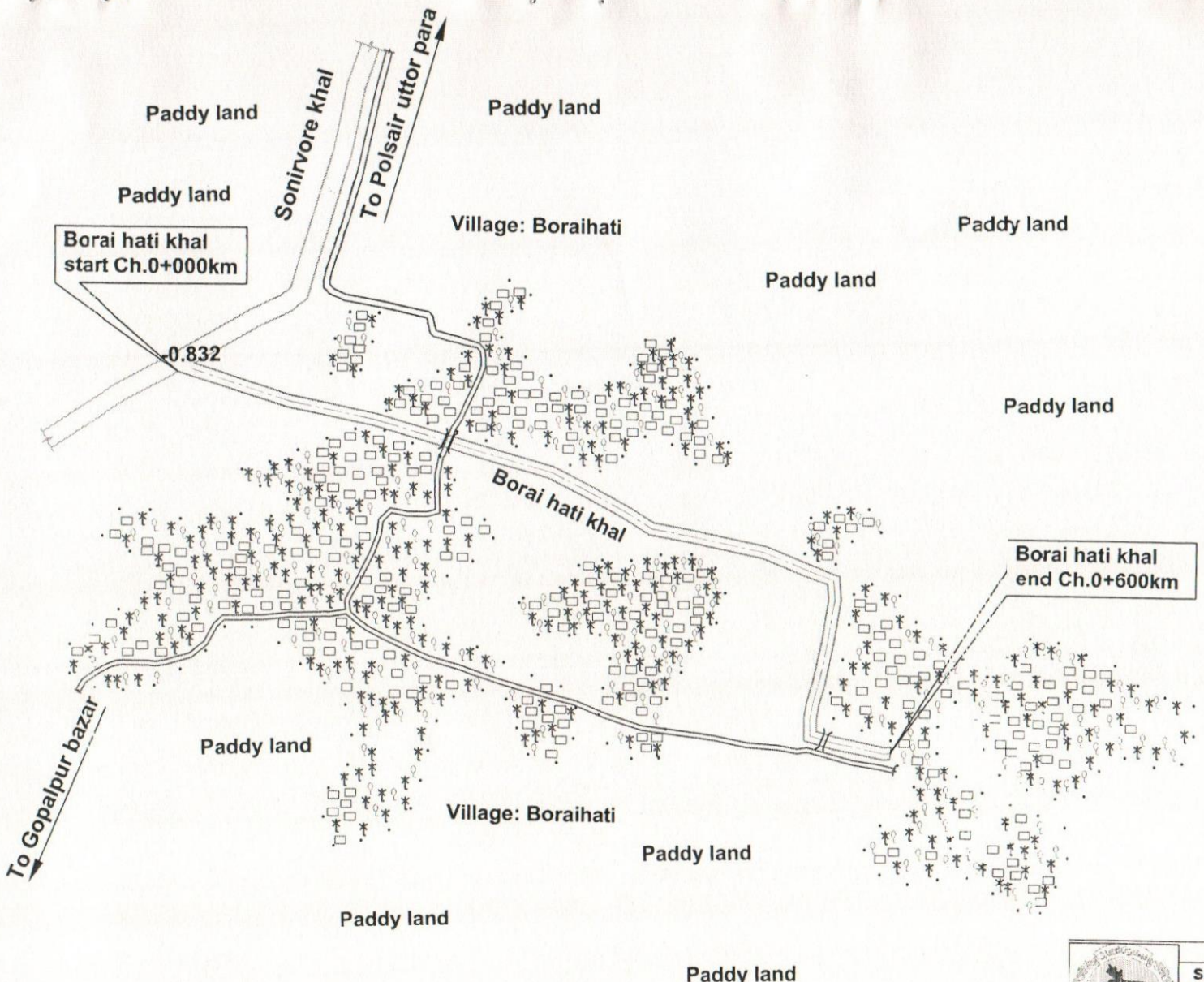
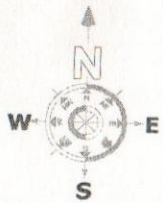




LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

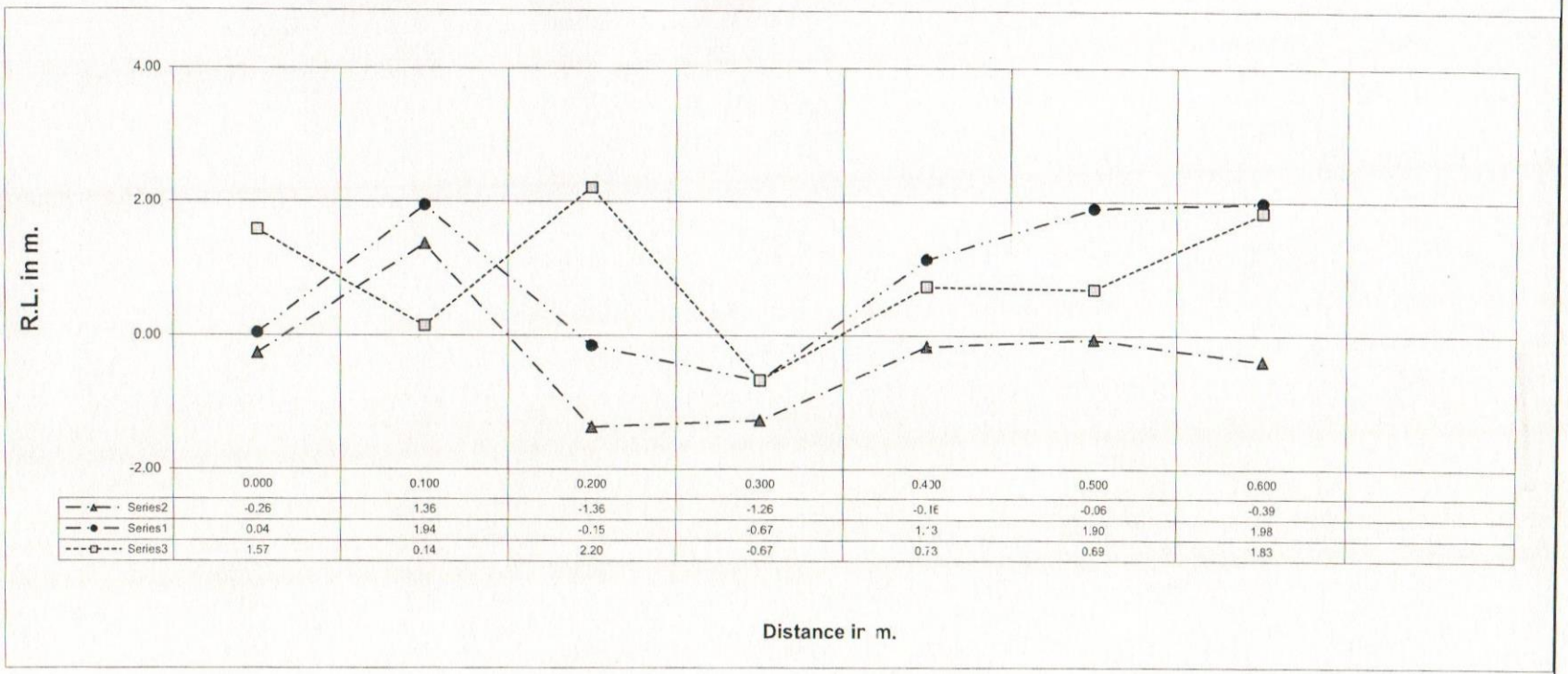
Bangladesh Water Development Board

Sketch Map for Re-excavation of Boroi hati khal from km. 0.000 to km. 0.600 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Boroi hati khal						
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600
C/L R.L.	-0.26	1.36	-1.36	-1.26	-0.16	-0.06	-0.39
L/BR.L.	0.04	1.94	-0.15	-0.67	1.13	1.90	1.98
R/B R.L.	1.57	0.14	2.20	-0.67	0.73	0.69	1.83

Long Section for re-excavation of Boroi hati khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600
Series2	-0.26	1.36	-1.36	-1.26	-0.16	-0.06	-0.39
Series1	0.04	1.94	-0.15	-0.67	1.13	1.90	1.98
Series3	1.57	0.14	2.20	-0.67	0.73	0.69	1.83

BANGLADESH WATER DEVELOPMENT BOARD

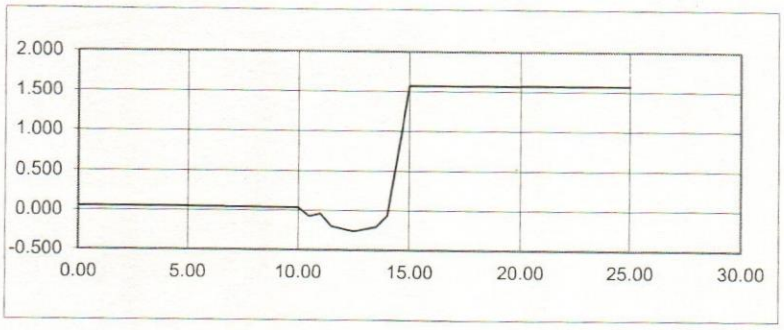
Long Section for Re-excavation of Boroi hati khal from km. 0.000 to km. 0.600 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Boroi hati khal from km. 0.000 to km. 0.600 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

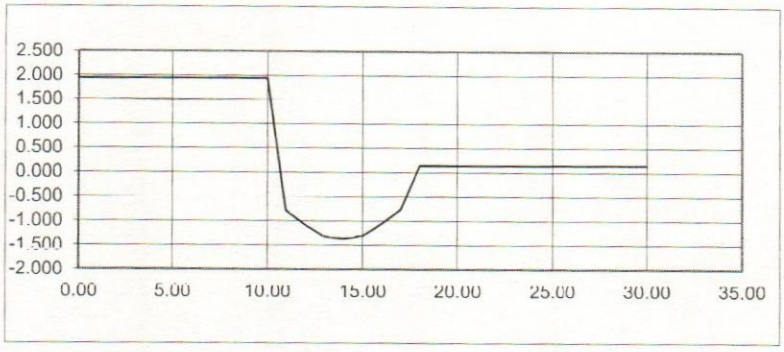
X - Section at km. 0.000

0.00	0.053	Paddy land
5.00	0.048	
10.00	0.035	LB
10.50	-0.072	
11.00	-0.042	
11.50	-0.199	
12.50	-0.264	CL
13.50	-0.207	
14.00	-0.065	
15.00	1.573	RB
20.00	1.578	
25.00	1.583	Ditch bank



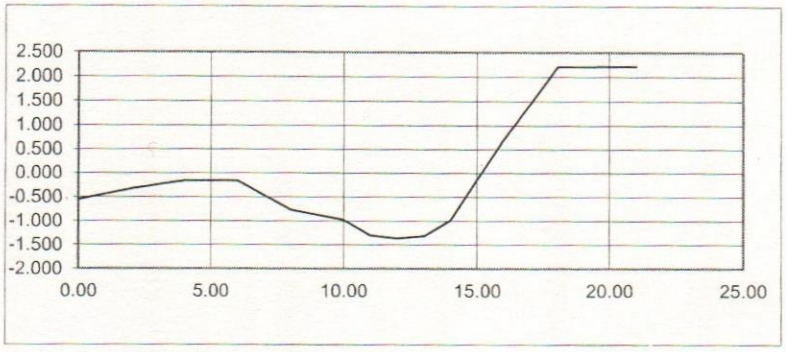
X - Section at km. 0.100

0.00	1.948	Paddy land
5.00	1.943	
10.00	1.938	LB
11.00	-0.780	
12.00	1.077	
13.00	-1.317	
14.00	-1.364	CL
15.00	-1.303	
16.00	-1.057	
17.00	-0.757	
18.00	0.143	RB
25.00	0.148	
30.00	0.153	Paddy land



X - Section at km. 0.200

0.00	-0.551	Ditch
2.00	-0.331	
4.00	-0.156	
6.00	-0.154	LB
8.00	-0.761	
10.00	-0.971	
11.00	-1.301	
12.00	-1.364	CL
13.00	-1.311	
14.00	-0.991	
16.00	0.729	
18.00	2.204	RB
21.00	2.214	HBB road

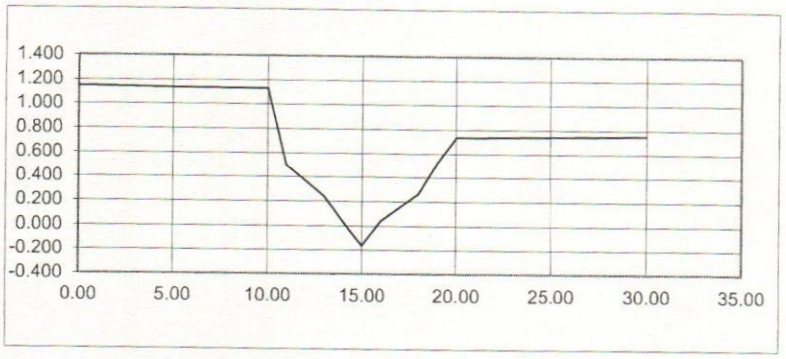


X - Section at km. 0.300

0.00	-1.272	Ditch
2.00	-1.057	
4.00	-0.651	
6.00	-0.672	LB
8.00	-0.722	
10.00	-1.062	
11.00	-1.218	CL
12.00	-1.264	
13.00	-1.212	
14.00	-0.867	
16.00	-0.667	
18.00	1.834	RB
20.00	1.843	
25.00	1.848	House area

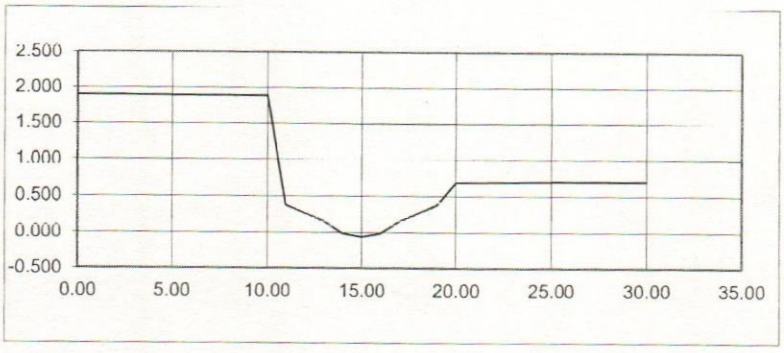
X - Section at km. 0.400

0.00	1.150	Open land
5.00	1.137	
10.00	1.130	LB
11.00	0.502	
13.00	0.246	
14.00	0.039	
15.00	-0.164	CL
16.00	0.046	
18.00	0.265	
19.00	0.525	
20.00	0.736	RB
25.00	0.746	
30.00	0.755	Paddy land



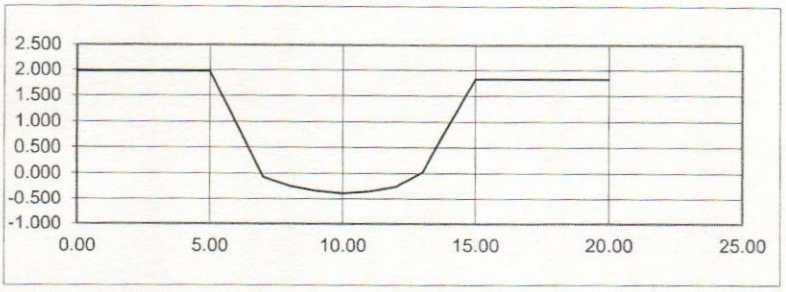
X - Section at km. 0.500

0.00	1.908	School area
5.00	1.903	
10.00	1.898	LB
11.00	0.373	
13.00	0.158	
14.00	-0.010	
15.00	-0.064	CL
16.00	-0.013	
17.00	0.153	
19.00	0.373	
20.00	0.688	RB
25.00	0.698	
30.00	0.703	Open land



X - Section at km. 0.600

0.00	1.977	BC road
5.00	1.981	LB
7.00	-0.068	
8.00	-0.243	
9.00	-0.340	
10.00	-0.388	CL
11.00	-0.348	
12.00	-0.262	
13.00	0.024	
15.00	1.832	RB
20.00	1.827	House



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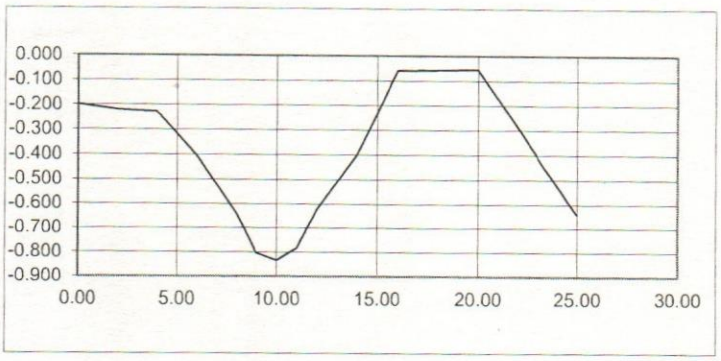
Cross Section of Outfall Khal **(Sonirvor khal)** Re-excavation of Boroi hati khal from km. 0.000 to km. 0.600 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

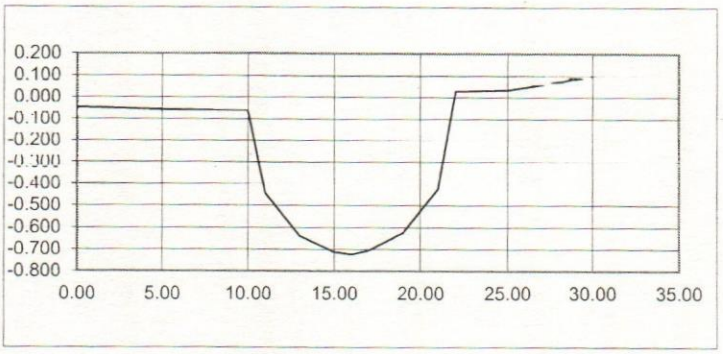
Cross section of Sonirvor khal along the Boroi hati khal

0.00	-0.197	Khal
2.00	-0.218	
4.00	-0.227	LB
6.00	-0.402	
8.00	-0.642	
9.00	-0.802	
10.00	-0.832	CL
11.00	-0.782	
12.00	-0.621	
14.00	-0.399	
16.00	-0.057	RB
20.00	-0.052	
25.00	-0.642	Paddy land



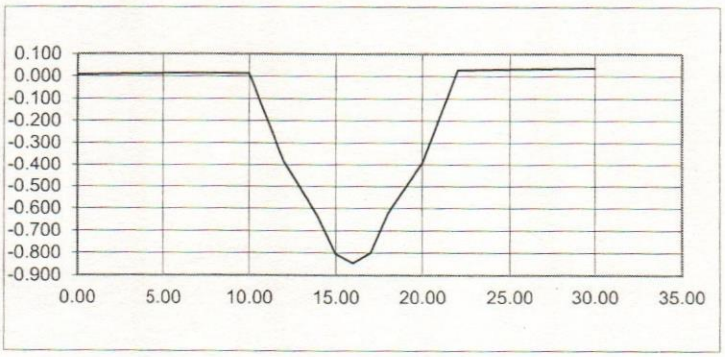
Cross section of Sonirvor khal 50 US from meeting point of Boroi hati khall

0.00	-0.047	Paddy land
5.00	-0.057	
10.00	-0.064	LB
11.00	-0.442	
13.00	-0.637	
15.00	0.710	
16.00	-0.722	CL
17.00	-0.702	
19.00	-0.621	
21.00	-0.421	
22.00	0.028	RB
25.00	0.033	
30.00	0.098	Paddy land



Cross section of Sonirvor khal 50 DS from meeting point of Rakhila bari khal

0.00	0.008	House area
5.00	0.013	
10.00	0.015	LB
12.00	-0.382	
14.00	-0.637	
15.00	-0.802	
16.00	-0.844	CL
17.00	-0.799	
18.00	-0.621	
20.00	-0.389	
22.00	0.028	RB
25.00	0.033	
30.00	0.038	Paddy land



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Data Checklist for the Re-excavation of Rakhila bari khal

1.	Name of the proposed Khal	:	Rakhila bari khal
2.	Catchments Area	:	200.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 1.483 m (PWD)
4.	Avg. Ground level of the area	:	0.650 m (PWD)
5.	Length of the Khal	:	1.768 km
6.	Bed level of the outfall Khal/River	:	(-) 5.744 (PWD) (Chatkhali River)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	6.00m.
10.	The proposed bed level of the Khal	:	(-) 1.50 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	28.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

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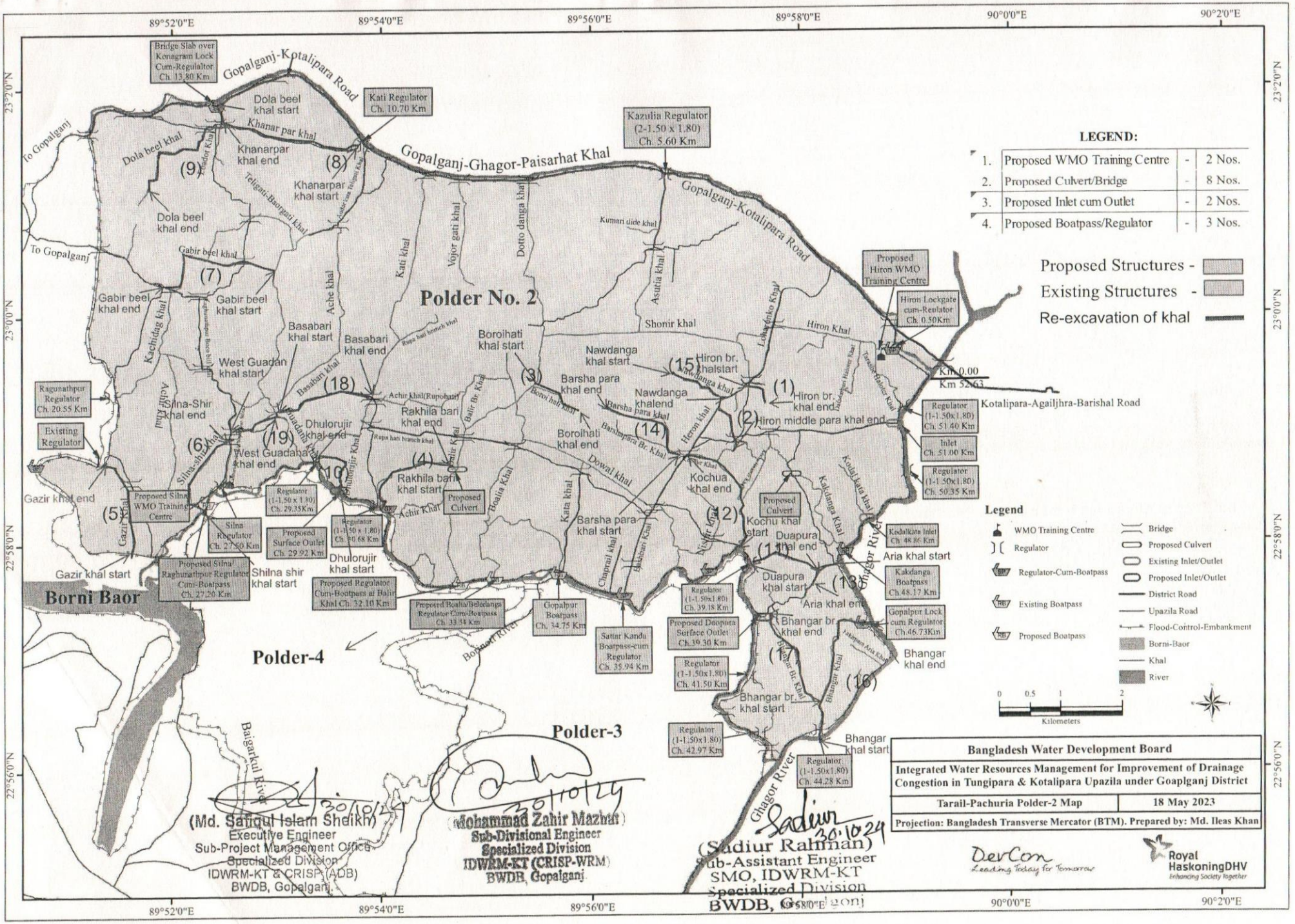

Bangladesh Water Development Board	
Integrated Water Resources Management for Improvement of Drainage Congestion in Tungipara & Kotalipara Upazila under Goaplganj District	
Tarail-Pachuria Polder-2 Map	18 May 2023
Projection: Bangladesh Transverse Mercator (BTM). Prepared by: Md. Ileas Khan	

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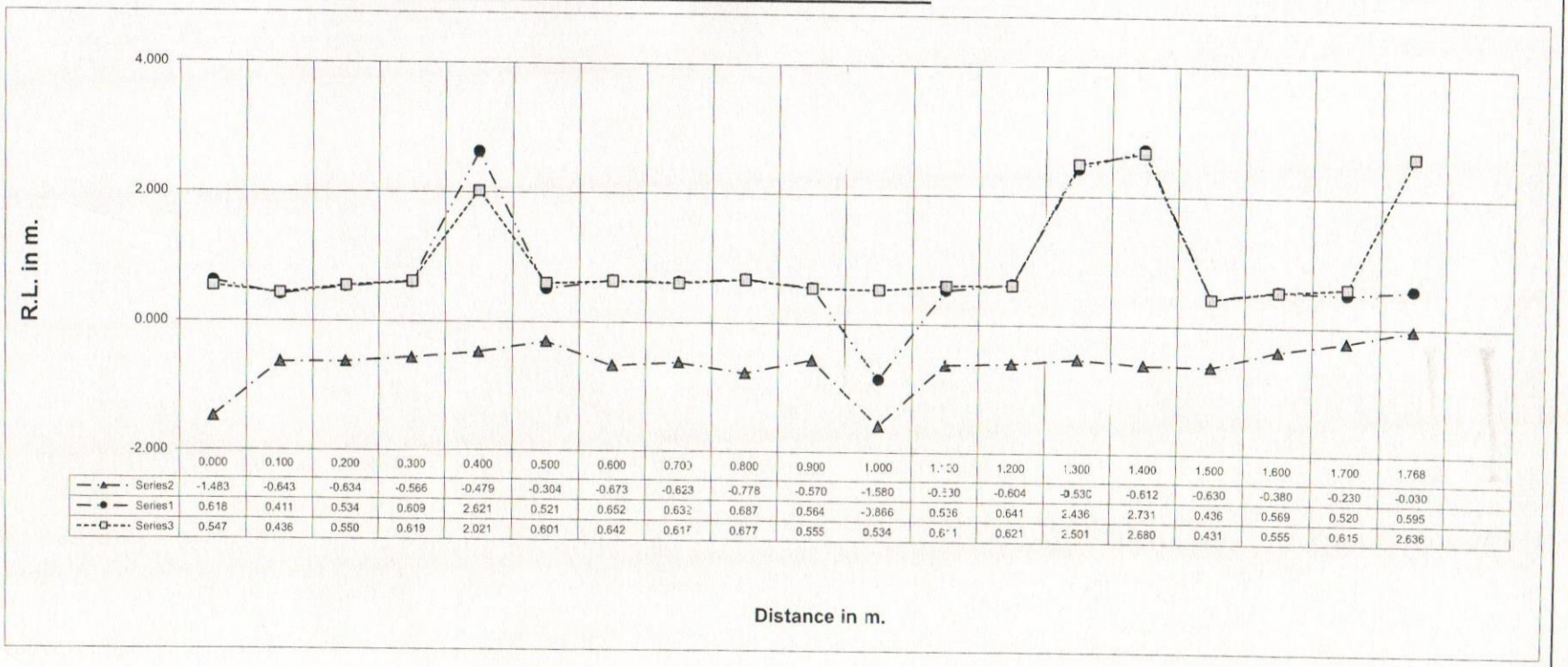
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

(Sudiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalganj

Ch. Long Section of Rakhila bari khal

Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.768
C/L R.L.	-1.483	-0.643	-0.634	-0.566	-0.479	-0.304	-0.673	-0.623	-0.778	-0.570	-1.580	-0.630	-0.604	-0.530	-0.612	-0.630	-0.380	-0.230	-0.030
L/BR.L.	0.618	0.411	0.534	0.609	2.621	0.521	0.652	0.632	0.687	0.564	-0.866	0.536	0.641	2.436	2.731	0.436	0.569	0.520	0.595
R/B R.L.	0.547	0.436	0.550	0.619	2.021	0.601	0.642	0.617	0.677	0.555	0.534	0.611	0.621	2.501	2.680	0.431	0.555	0.615	2.636

Long Section for re-excavation of Rakhila bari khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.768
Series2	-1.483	-0.643	-0.634	-0.566	-0.479	-0.304	-0.673	-0.623	-0.778	-0.570	-1.580	-0.630	-0.604	-0.530	-0.612	-0.630	-0.380	-0.230	-0.030
Series1	0.618	0.411	0.534	0.609	2.621	0.521	0.652	0.632	0.687	0.564	-0.866	0.536	0.641	2.436	2.731	0.436	0.569	0.520	0.595
Series3	0.547	0.436	0.550	0.619	2.021	0.601	0.642	0.617	0.677	0.555	0.534	0.611	0.621	2.501	2.680	0.431	0.555	0.615	2.636

BANGLADESH WATER DEVELOPMENT BOARD

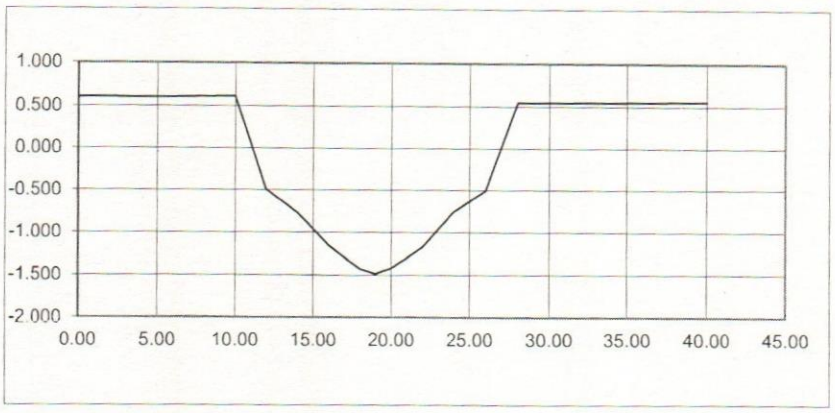
Long Section for Re-excavation of Rakhila bari khal from km. 0.000 to km. 1.768 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Rakhila bari khal from km. 0.000 to km. 1.768 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

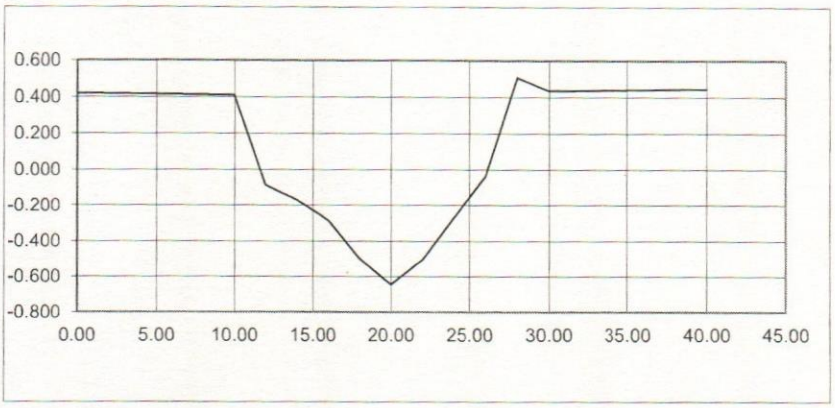
X - Section at km. 0.000

0.00	0.607	Open land
5.00	0.602	
10.00	0.618	LB
12.00	-0.488	
14.00	-0.763	
16.00	-1.149	
18.00	-1.428	
19.00	-1.483	CL
20.00	-1.423	
22.00	-1.163	
24.00	-0.749	
26.00	-0.506	
28.00	0.547	RB
35.00	0.554	
40.00	0.560	Open land



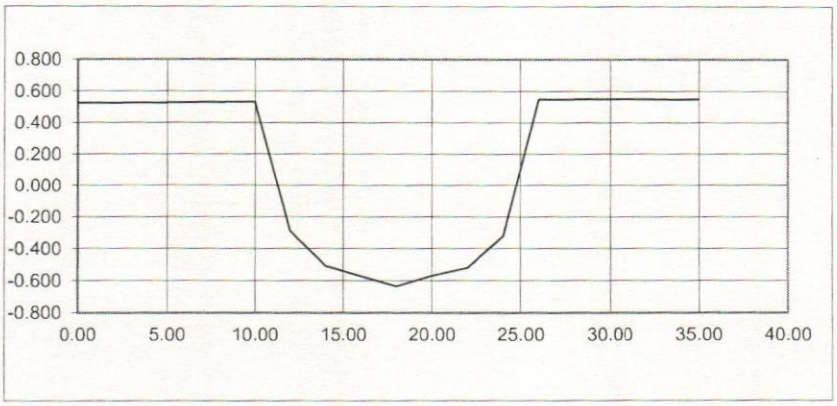
X - Section at km. 0.100

0.00	0.421	Paddy land
5.00	0.416	
10.00	0.411	LB
12.00	-0.084	
14.00	-0.168	
16.00	-0.284	
18.00	-0.499	
20.00	-0.643	CL
22.00	-0.504	
24.00	-0.268	
26.00	-0.035	
28.00	0.509	
30.00	0.436	RB
35.00	0.44	
40.00	0.45	Paddy land



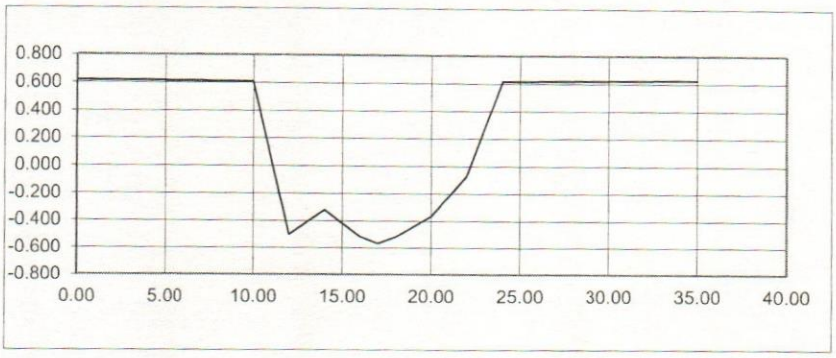
X - Section at km. 0.200

0.00	0.524	Paddy land
5.00	0.529	
10.00	0.534	LB
12.00	-0.291	
14.00	-0.506	
16.00	-0.571	
18.00	-0.634	CL
20.00	-0.566	
22.00	-0.516	
24.00	-0.324	
26.00	0.550	RB
30.00	0.554	
35.00	0.550	Paddy land



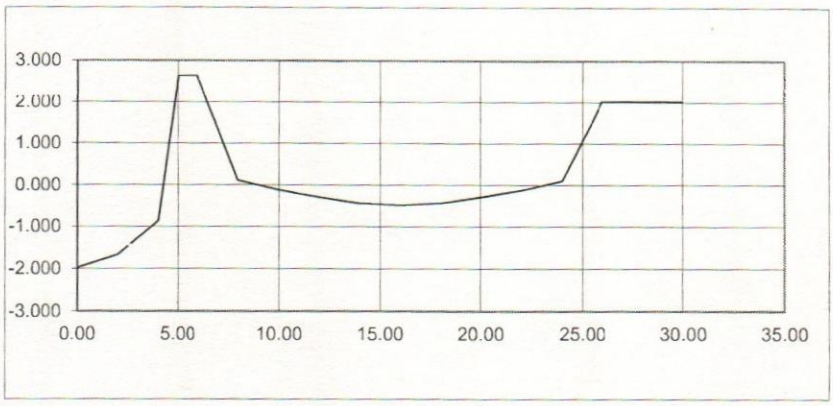
X - Section at km. 0.300

0.00	0.619	Paddy land
5.00	0.614	
10.00	0.609	LB
12.00	-0.500	
14.00	-0.321	
16.00	-0.514	
17.00	-0.566	CL
18.00	-0.517	
20.00	-0.366	
22.00	-0.066	
24.00	0.619	RB
30.00	0.624	
35.00	0.629	Paddy land



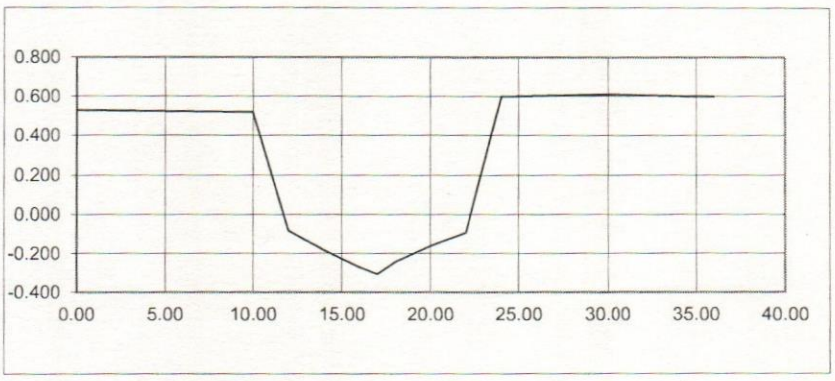
X - Section at km. 0.400

0.00	-1.969	Pond
2.00	-1.674	
4.00	-0.869	
5.00	2.616	
6.00	2.621	LB
8.00	0.126	
10.00	-0.107	
12.00	-0.284	
14.00	-0.434	
16.00	-0.479	CL
18.00	-0.430	
20.00	-0.279	
22.00	-0.114	
24.00	0.121	
26.00	2.021	RB
30.00	2.011	HBB road



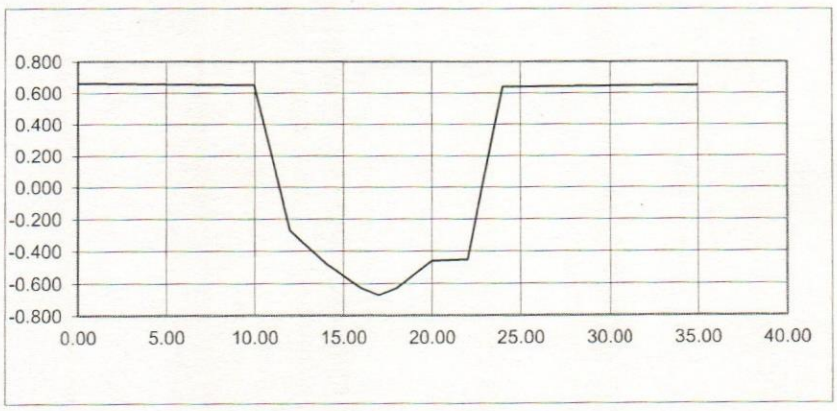
X - Section at km. 0.500

0.00	0.531	Paddy land
5.00	0.526	
10.00	0.521	LB
12.00	-0.085	
14.00	-0.184	
16.00	-0.269	
17.00	-0.304	CL
18.00	-0.244	
20.00	-0.163	
22.00	-0.094	
24.00	0.601	RB
30.00	0.611	
35.00	0.601	
36.00	0.601	Paddy land



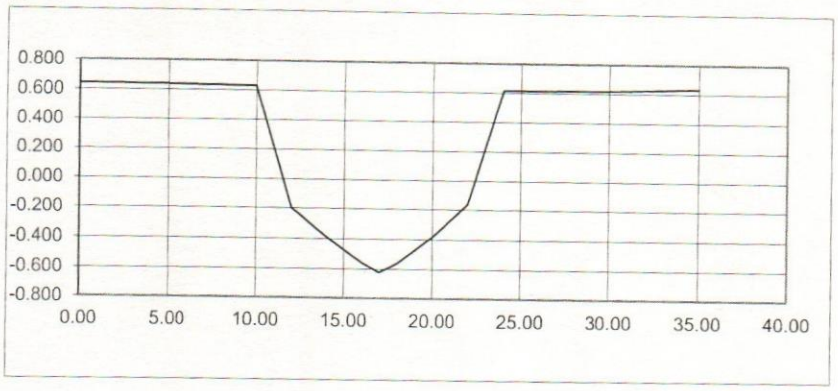
X - Section at km. 0.600

0.00	0.662	Paddy land
5.00	0.657	
10.00	0.652	LB
12.00	-0.273	
14.00	-0.478	
16.00	-0.630	
17.00	-0.673	CL
18.00	-0.629	
20.00	-0.462	
22.00	-0.453	
24.00	0.642	RB
30.00	0.647	
35.00	0.652	Paddy land



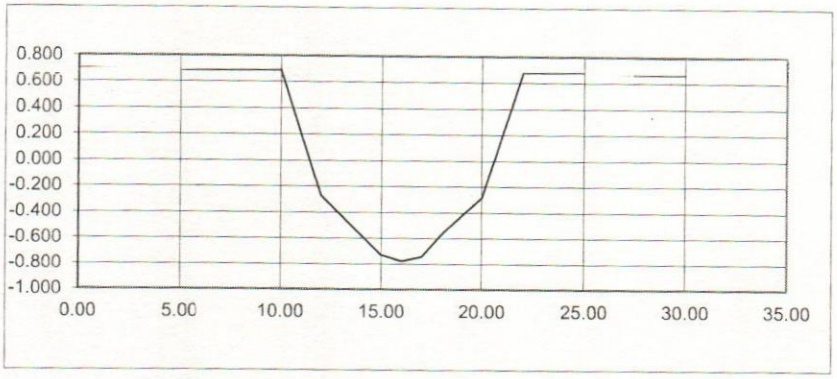
X - Section at km. 0.700

0.00	0.642	Paddy land
5.00	0.638	
10.00	0.632	LB
12.00	-0.198	
14.00	-0.383	
16.00	-0.558	
17.00	-0.623	CL
18.00	-0.562	
20.00	-0.378	
22.00	-0.162	
24.00	0.617	RB
30.00	0.622	
35.00	0.638	Paddy land



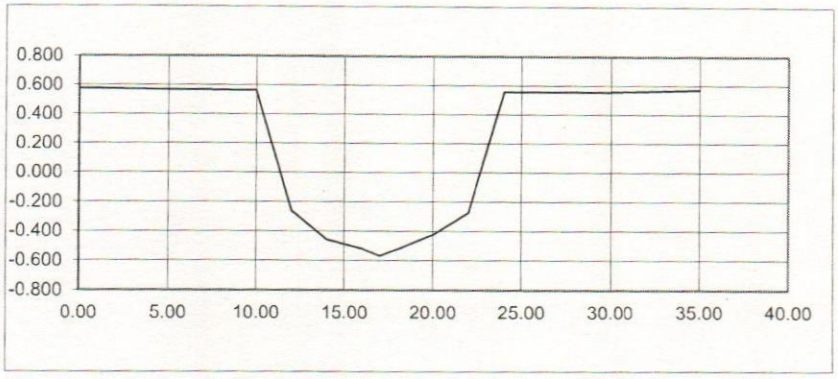
X - Section at km. 0.800

0.00	0.697	Paddy land
5.00	0.692	
10.00	0.687	LB
12.00	0.268	
14.00	-0.578	
15.00	-0.729	
16.00	-0.778	CL
17.00	-0.743	
18.00	-0.562	
20.00	-0.283	
22.00	0.677	RB
25.00	0.672	
30.00	0.667	Paddy land



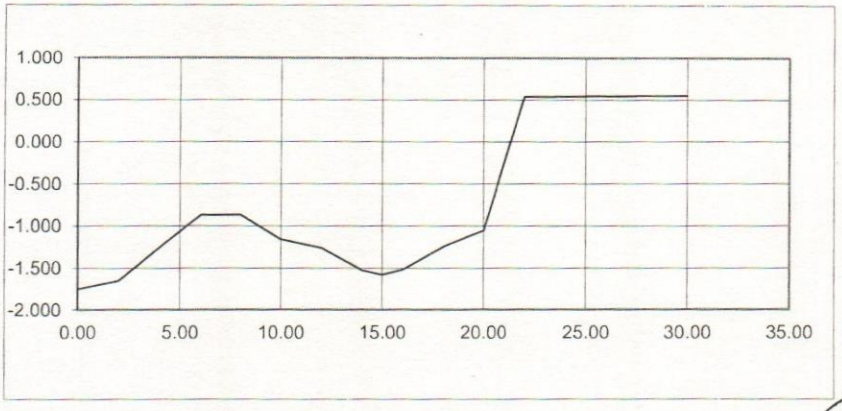
X - Section at km. 0.900

0.00	0.579	Paddy land
5.00	0.569	
10.00	0.564	LB
12.00	-0.261	
14.00	-0.456	
16.00	-0.519	
17.00	-0.570	CL
18.00	-0.522	
20.00	-0.423	
22.00	-0.276	
24.00	0.555	RB
30.00	0.559	
35.00	0.574	Paddy land



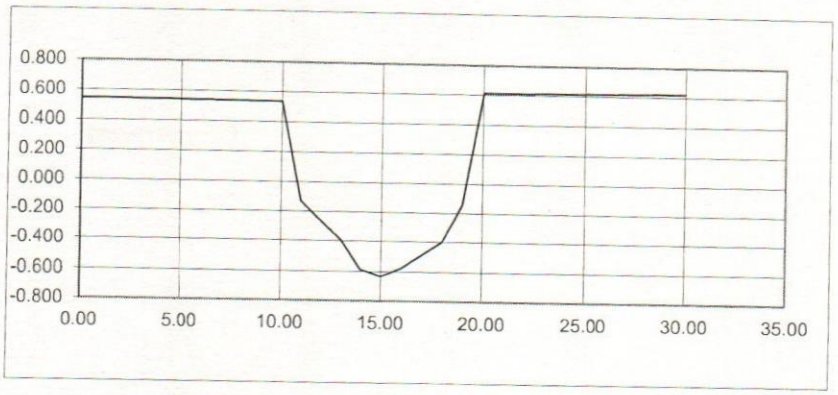
X - Section at km. 1.000

0.00	-1.754	Ditch
2.00	-1.651	
4.00	-1.251	
6.00	-0.867	
8.00	-0.866	LB
10.00	-1.156	
12.00	-1.261	
14.00	-1.522	
15.00	-1.580	CL
16.00	-1.519	
18.00	-1.245	
20.00	-1.051	
22.00	0.534	RB
25.00	0.544	
30.00	0.551	Paddy land



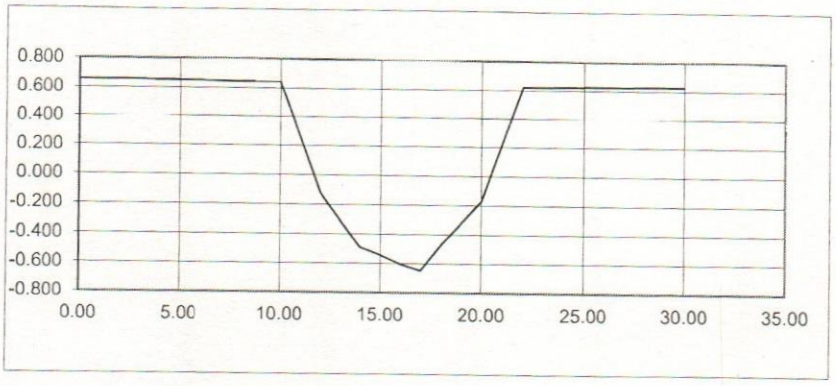
X - Section at km. 1.100

0.00	0.546	Paddy land
5.00	0.543	
10.00	0.536	LB
11.00	-0.129	
13.00	-0.389	
14.00	-0.584	
15.00	-0.630	CL
16.00	-0.575	
18.00	-0.399	
19.00	-0.144	
20.00	0.611	RB
25.00	0.616	
30.00	0.621	Paddy land



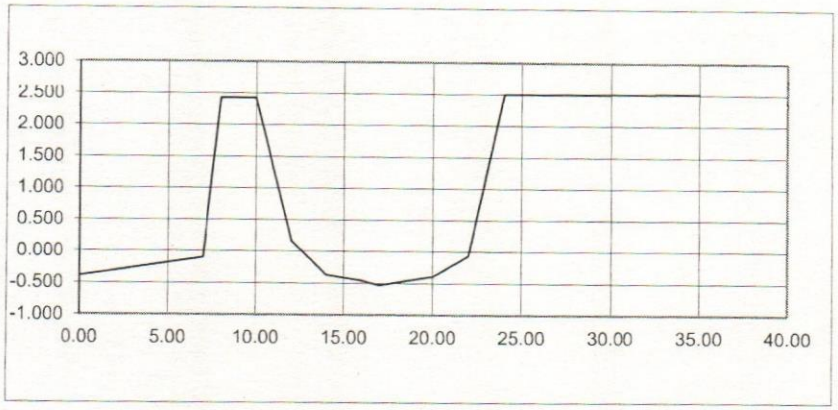
X - Section at km. 1.200

0.00	0.656	Paddy land
5.00	0.651	
10.00	0.641	LB
12.00	-0.115	
14.00	-0.489	
15.00	-0.539	
16.00	-0.604	CL
17.00	-0.648	
18.00	-0.469	
20.00	-0.169	
22.00	0.621	RB
25.00	0.626	
30.00	0.631	Paddy land



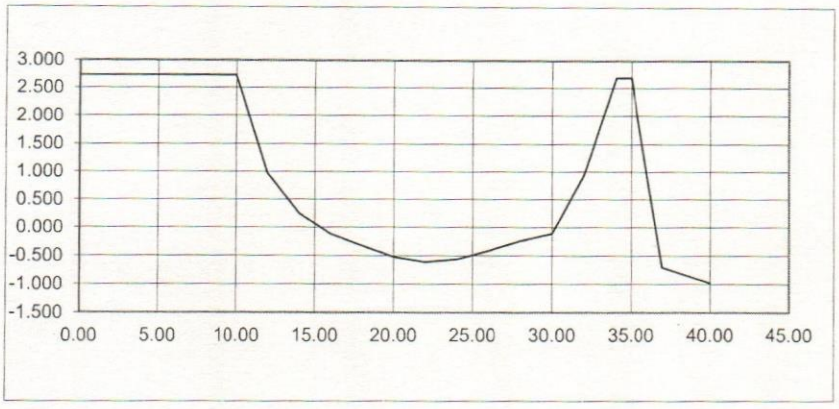
X - Section at km. 1.300

0.00	-0.389	Ditch
7.00	-0.104	
8.00	2.431	
10.00	2.436	LB
12.00	0.164	
14.00	-0.369	
16.00	-0.459	
17.00	-0.530	CL
18.00	-0.484	
20.00	-0.392	
22.00	-0.069	
24.00	2.501	RB
30.00	2.508	
35.00	2.516	House area



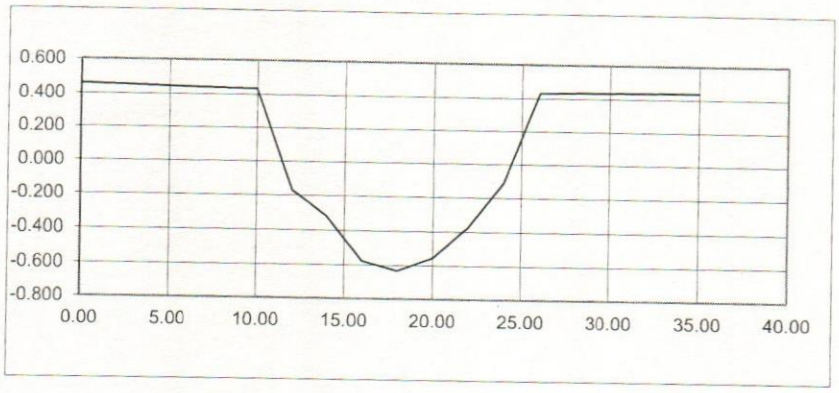
X - Section at km. 1.400

0.00	2.721	Fisheries
5.00	2.726	
10.00	2.731	LB
12.00	0.975	
14.00	0.254	
16.00	-0.112	
18.00	-0.321	
20.00	-0.522	
22.00	-0.612	CL
24.00	-0.558	
26.00	-0.410	
28.00	-0.236	
30.00	-0.111	
32.00	0.954	
34.00	2.680	RB
35.00	2.679	
37.00	-0.699	
40.00	-0.974	Fisheries



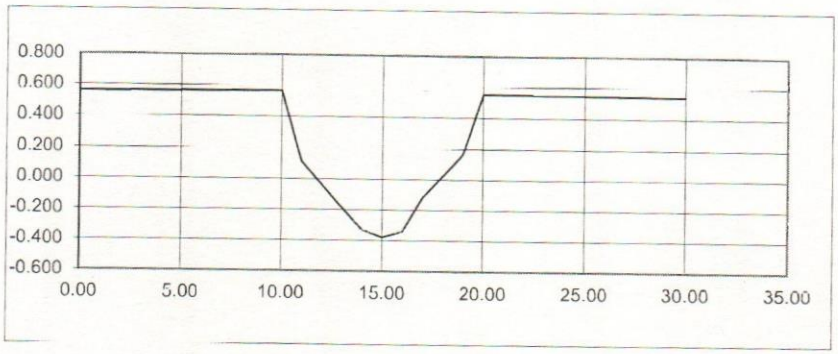
X - Section at km. 1.500

0.00	0.461	Paddy land
5.00	0.447	
10.00	0.436	LB
12.00	-0.169	
14.00	-0.320	
16.00	-0.574	
18.00	-0.630	CL
20.00	-0.553	
22.00	-0.374	
24.00	-0.104	
26.00	0.431	RB
28.00	0.436	
35.00	0.441	Paddy land



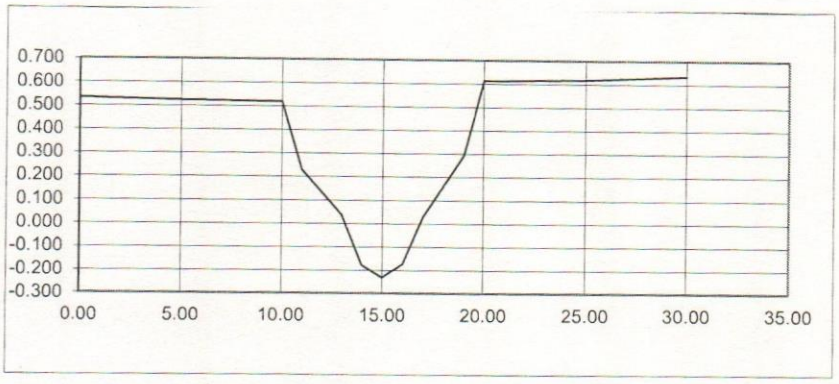
X - Section at km. 1.600

0.00	0.560	Paddy land
5.00	0.565	
10.00	0.569	LB
11.00	0.115	
13.00	-0.185	
14.00	-0.331	
15.00	-0.380	CL
16.00	-0.340	
17.00	-0.114	
19.00	0.169	
20.00	0.555	RB
25.00	0.550	
30.00	0.545	Paddy land



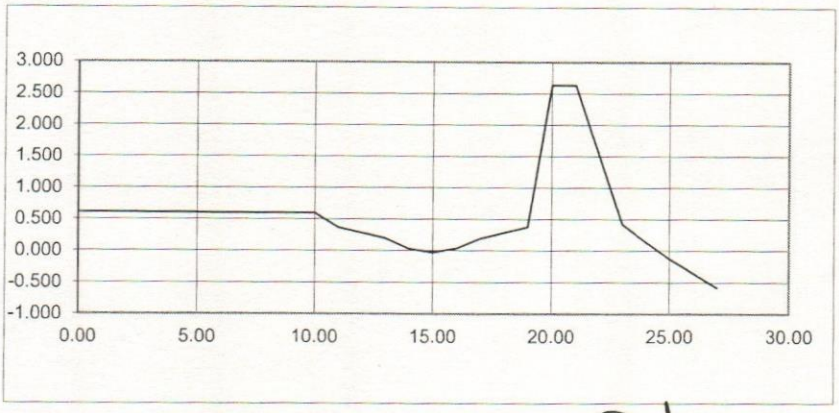
X - Section at km. 1.700

0.00	0.535	Paddy land
5.00	0.525	
10.00	0.520	LB
11.00	0.230	
13.00	0.036	
14.00	-0.180	
15.00	-0.230	CL
16.00	-0.175	
17.00	0.029	
19.00	0.295	
20.00	0.615	RB
25.00	0.620	
30.00	0.636	Paddy land



X - Section at km. 1.768

0.00	0.610	Paddy land
5.00	0.600	
10.00	0.595	LB
11.00	0.365	
13.00	0.195	
14.00	0.030	
15.00	-0.030	CL
16.00	0.034	
17.00	0.190	
19.00	0.375	
20.00	2.636	RB
21.00	2.640	
23.00	0.420	
25.00	-0.121	
27.00	-0.580	Pond



Bainbunia Khal

(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

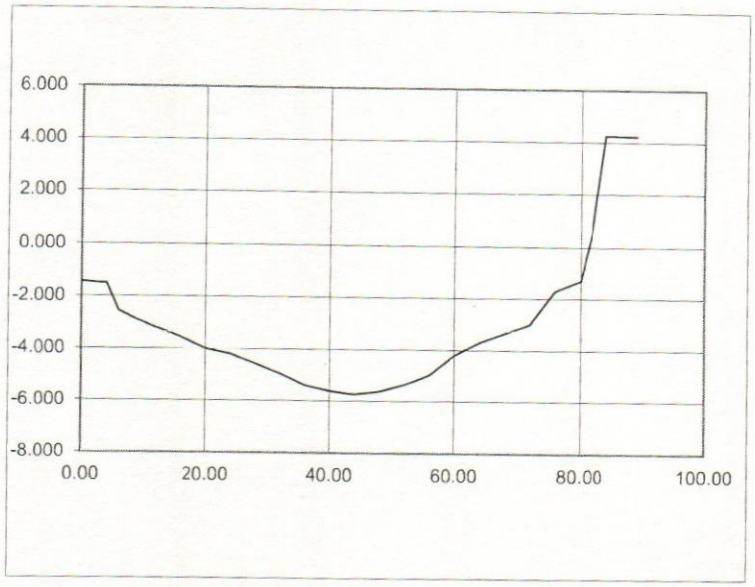
30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section for Outfall river **(Chatkhali River)** Re-excavation of Rakhila bari khal from km. 0.000 to km. 1.768 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

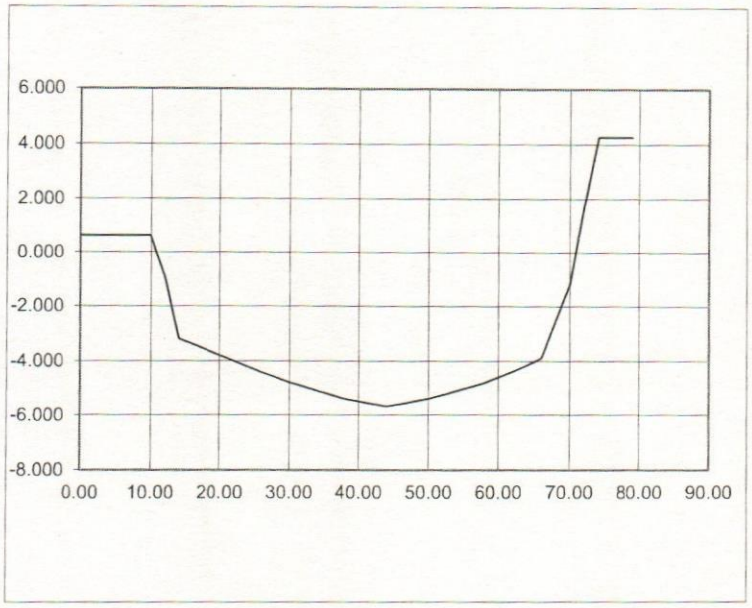
Cross section of Chatkhali River along the Rakhila bari khal

0.00	-1.433	Khal bed
2.00	-1.463	
4.00	-1.483	LB
6.00	-2.563	
8.00	-2.803	
12.00	-3.203	
16.00	-3.563	
20.00	-3.988	
24.00	-4.188	
28.00	-4.588	
32.00	-4.960	
36.00	-5.403	
40.00	-5.613	
44.00	-5.744	CL
48.00	-5.618	
52.00	-5.360	
56.00	-4.988	
60.00	-4.204	
64.00	-3.693	
68.00	-3.343	
72.00	-2.988	
76.00	-1.688	
80.00	-1.288	
82.00	0.607	
84.00	4.252	RB
89.00	4.222	BC road



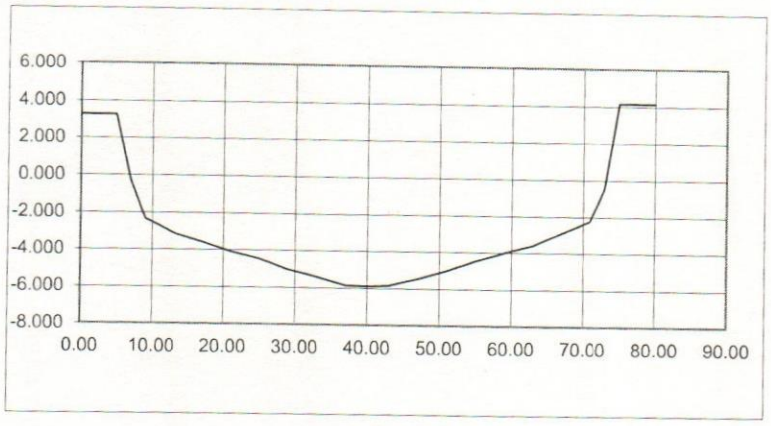
Cross section of Chatkhali River 50 US from meeting point of Rakhila bari khal

0.00	0.622	Open land
5.00	0.618	
10.00	0.612	LB
12.00	-0.926	
14.00	-3.191	
18.00	-3.593	
22.00	-3.988	
26.00	-4.423	
30.00	-4.793	
34.00	-5.098	
38.00	-5.403	
42.00	-5.603	
44.00	-5.683	CL
46.00	-5.598	
50.00	-5.393	
54.00	-5.093	
58.00	-4.803	
62.00	-4.390	
66.00	-3.903	
70:00	-1.193	
72.00	1.712	
74.00	4.259	RB
79.00	4.254	BC road



Cross section of Chatkhali River 50 DS from meeting point of Rakhila bari khal

0.00	3.257	Bc road
5.00	3.261	LB
7.00	-0.326	
9.00	-2.303	
13.00	-3.098	
17.00	-3.563	
21.00	-4.093	
25.00	-4.453	
29.00	-5.026	
33.00	-5.403	
37.00	-5.846	
40.00	-5.898	CL
43.00	-5.849	
47.00	-5.453	
51.00	-5.013	
55.00	-4.463	
59.00	-3.993	
63.00	-3.588	
67.00	-2.892	
71.00	-2.193	
73.00	-0.423	
75.00	4.162	RB
80.00	4.157	BC road



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
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BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Gazir khal

1.	Name of the proposed Khal	:	Gazir khal
2.	Catchments Area	:	260.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.44 m (PWD)
4.	Avg. Ground level of the area	:	0.80 m (PWD)
5.	Length of the Khal	:	2.325 km
6.	Bed level of the outfall Khal/River	:	(-) 2.870 (PWD) (Digharkul khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	3.00m.
10.	The proposed bed level of the Khal	:	(-) 1.00 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	36.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
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30.10.24
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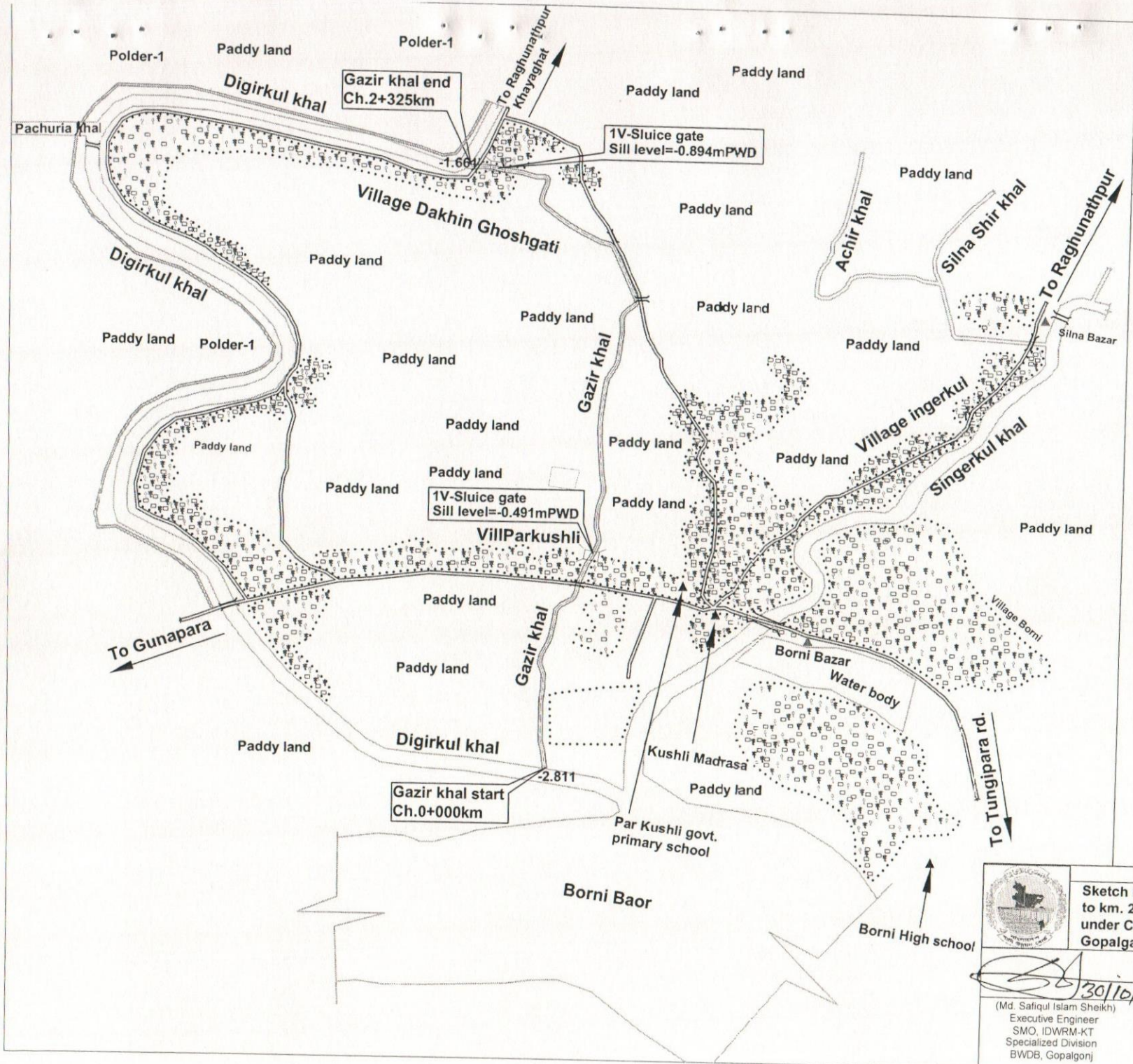


N
W E
S

LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Church , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

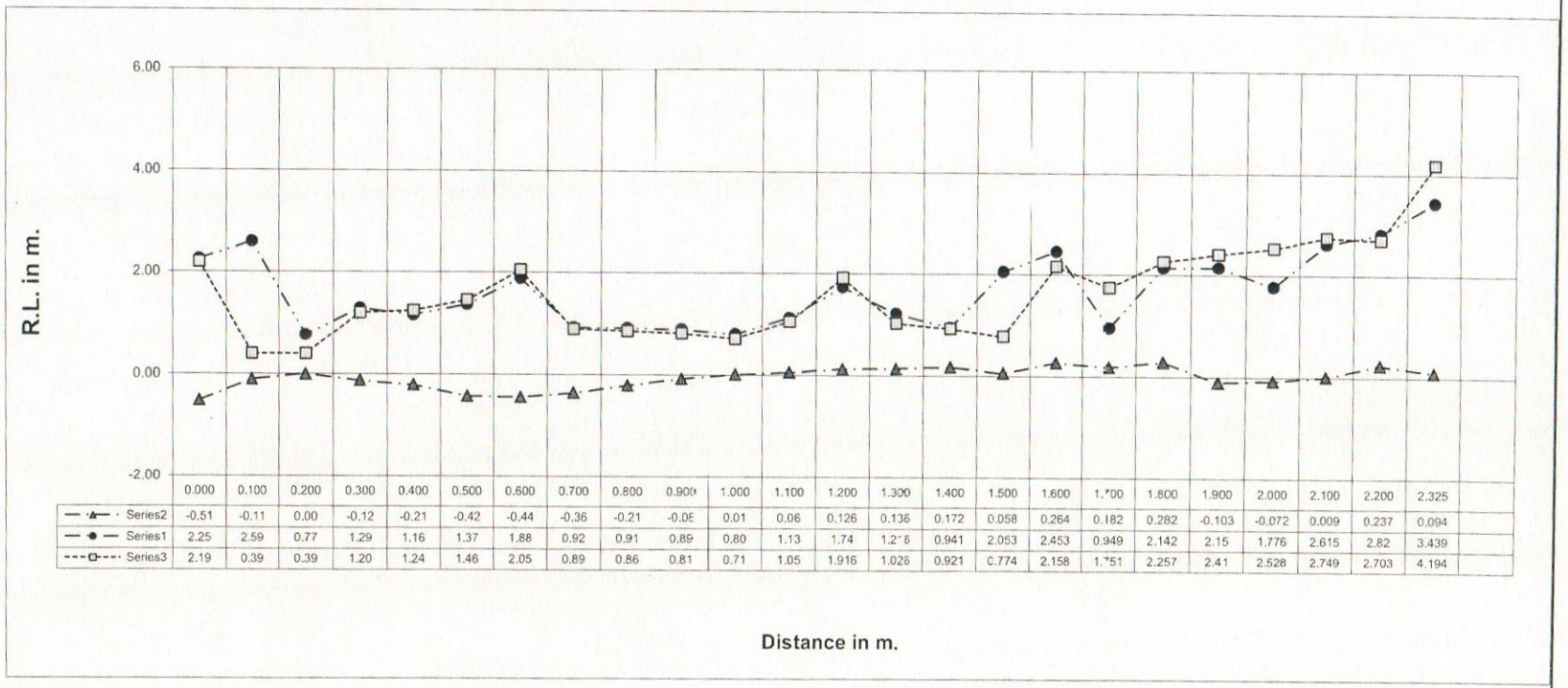
Bangladesh Water Development Board

Sketch Map for Re-excavation of Gazir khal from km. 0.000 to km. 2.325 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Gazir khal																							
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.325
C/L R.L.	-0.51	-0.11	0.00	-0.12	-0.21	-0.42	-0.44	-0.36	-0.21	-0.08	0.01	0.06	0.126	0.136	0.17	0.058	0.264	0.182	0.282	-0.103	-0.072	0.009	0.237	0.094
L/BR.L.	2.25	2.59	0.77	1.29	1.16	1.37	1.88	0.92	0.91	0.89	0.80	1.13	1.74	1.216	0.94	2.053	2.453	0.949	2.142	2.15	1.776	2.615	2.82	3.439
R/B R.L.	2.19	0.39	0.39	1.20	1.24	1.46	2.05	0.89	0.86	0.81	0.71	1.05	1.916	1.026	0.92	0.774	2.158	1.751	2.257	2.41	2.528	2.749	2.703	4.194

Long Section for re-excavation of Gazir khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.325
Series2	-0.51	-0.11	0.00	-0.12	-0.21	-0.42	-0.44	-0.36	-0.21	-0.08	0.01	0.06	0.126	0.136	0.172	0.058	0.264	0.182	0.282	-0.103	-0.072	0.009	0.237	0.094
Series1	2.25	2.59	0.77	1.29	1.16	1.37	1.88	0.92	0.91	0.89	0.80	1.13	1.74	1.216	0.941	2.053	2.453	0.949	2.142	2.15	1.776	2.615	2.82	3.439
Series3	2.19	0.39	0.39	1.20	1.24	1.46	2.05	0.89	0.86	0.81	0.71	1.05	1.916	1.026	0.921	0.774	2.158	1.751	2.257	2.41	2.528	2.749	2.703	4.194

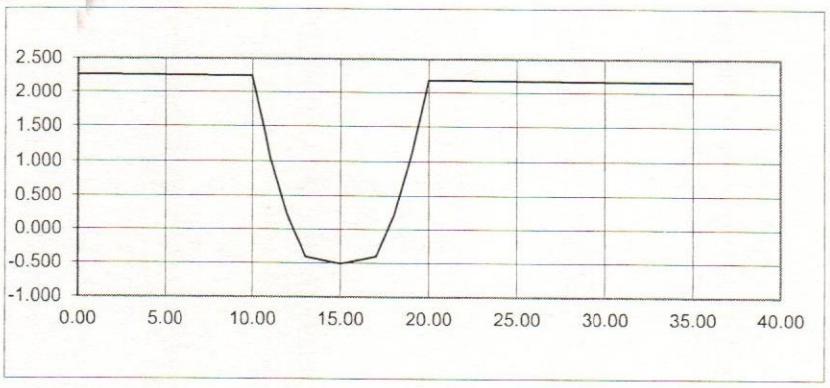
BANGLADESH WATER DEVELOPMENT BOARD

Long Section for Re-excavation of Gazir khal from km. 0.000 to km. 2.325 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

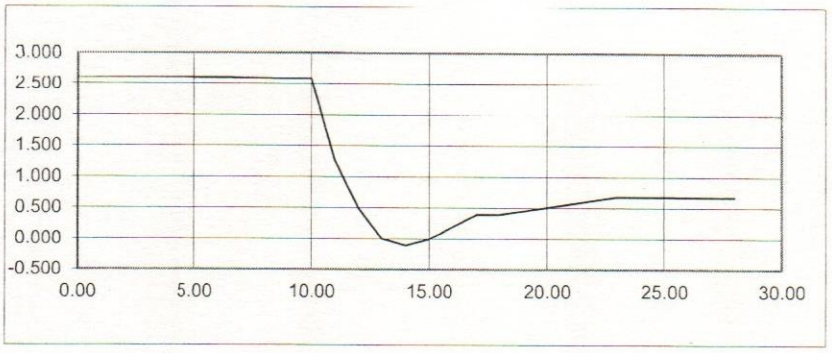
30/10/24	30/10/24	Sadiur 30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Gazir khal from km. 0.000 to km. 2.325 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

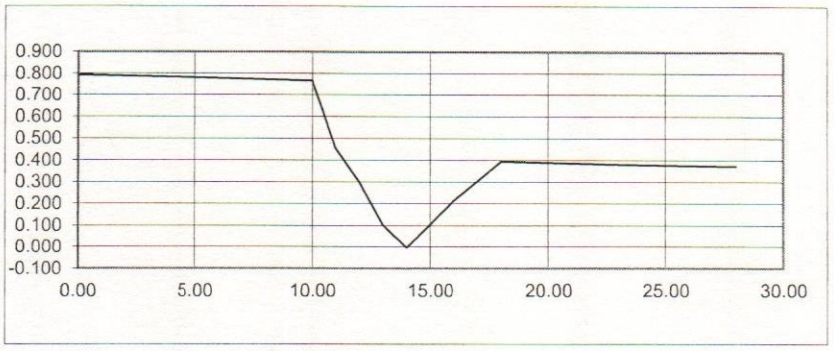
X - Section at km.		0.000
0.00	2.268	Khal bank
5.00	2.259	
10.00	2.248	LB
11.00	1.069	
12.00	0.194	
13.00	-0.405	
15.00	-0.507	
17.00	-0.402	
18.00	0.198	
19.00	1.110	
20.00	2.193	RB
25.00	2.185	
30.00	2.170	
35.00	2.164	Khal bank



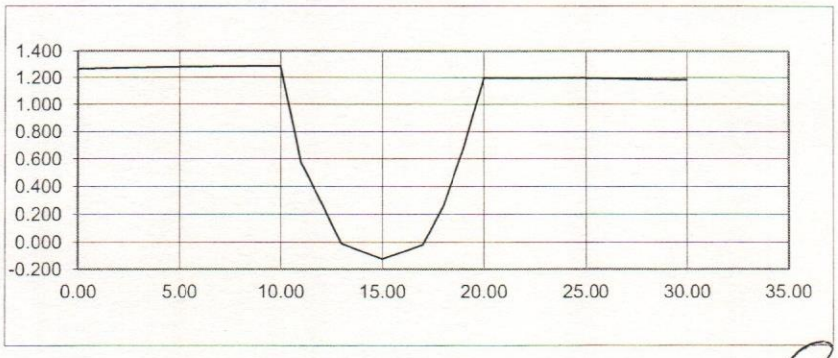
X - Section at km.		0.100
0.00	2.620	Project
5.00	2.605	
10.00	2.591	LB
11.00	1.268	
12.00	0.498	
13.00	0.005	
14.00	-0.105	
15.00	-0.001	
16.00	0.198	
17.00	0.390	
18.00	0.394	RB
23.00	0.680	
28.00	0.669	Paddy land



X - Section at km.		0.200
0.00	0.795	Paddy land
5.00	0.784	
10.00	0.768	LB
11.00	0.454	
12.00	0.298	
13.00	0.102	
14.00	-0.002	
15.00	0.104	
16.00	0.214	
17.00	0.302	
18.00	0.394	RB
23.00	0.380	
28.00	0.371	Br. Khal

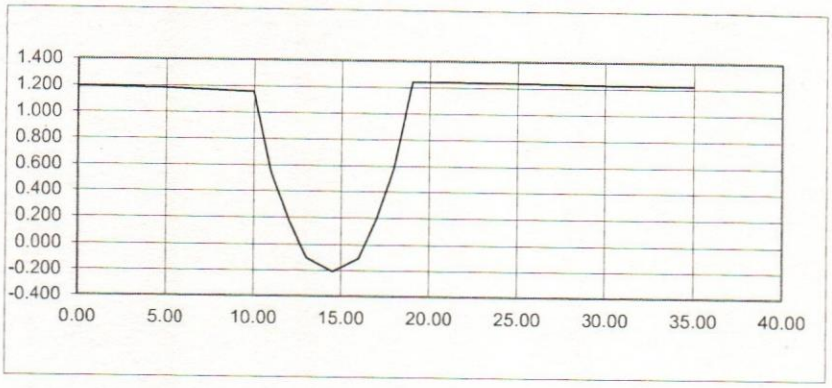


X - Section at km.		0.300
0.00	1.270	Paddy land
5.00	1.283	
10.00	1.290	LB
11.00	0.568	
12.00	0.287	
13.00	-0.010	
15.00	-0.124	
17.00	-0.018	
18.00	0.259	
19.00	0.686	
20.00	1.202	RB
25.00	1.198	
30.00	1.186	Paddy land



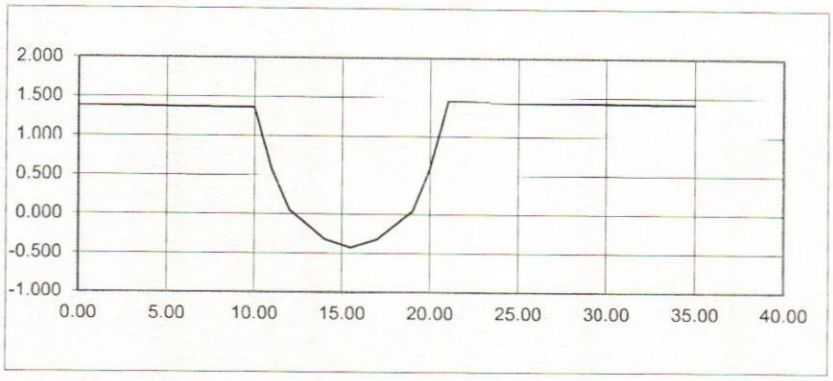
X - Section at km. 0.400

0.00	1.193	Paddy land
5.00	1.181	
10.00	1.159	LB
11.00	0.542	
12.00	0.183	
13.00	-0.098	
14.50	-0.207	
16.00	-0.102	
17.00	0.197	
18.00	0.592	
19.00	1.242	RB
25.00	1.237	
30.00	1.229	
35.00	1.223	Paddy land



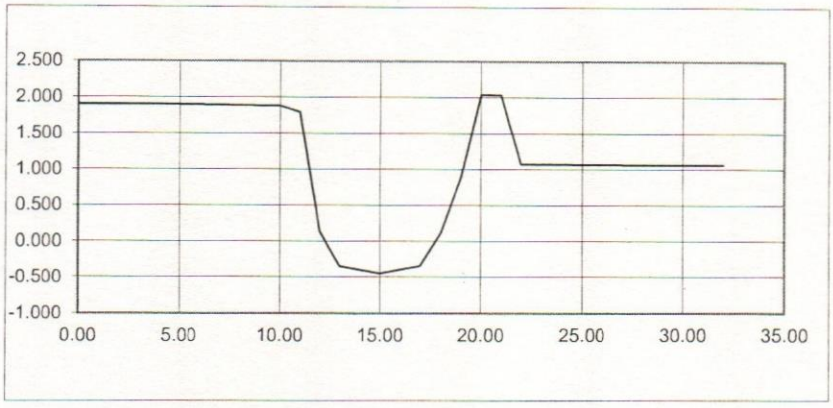
X - Section at km. 0.500

0.00	1.388	Road side
5.00	1.372	
10.00	1.367	LB
11.00	0.561	
12.00	0.050	
14.00	-0.318	
15.50	-0.423	
17.00	-0.317	
19.00	0.042	
20.00	0.593	
21.00	1.456	RB
25.00	1.437	
30.00	1.432	
35.00	1.420	Road side



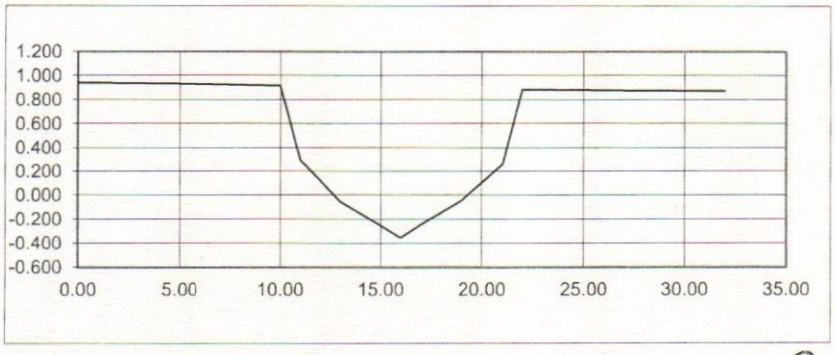
X - Section at km. 0.600

0.00	1.910	Garden
5.00	1.905	
10.00	1.884	LB
11.00	1.804	
12.00	0.135	
13.00	-0.340	
15.00	-0.440	
17.00	-0.336	
18.00	0.111	
19.00	0.886	
20.00	2.047	RB
21.00	2.038	
22.00	1.076	
27.00	1.070	
32.00	1.065	Paddy land



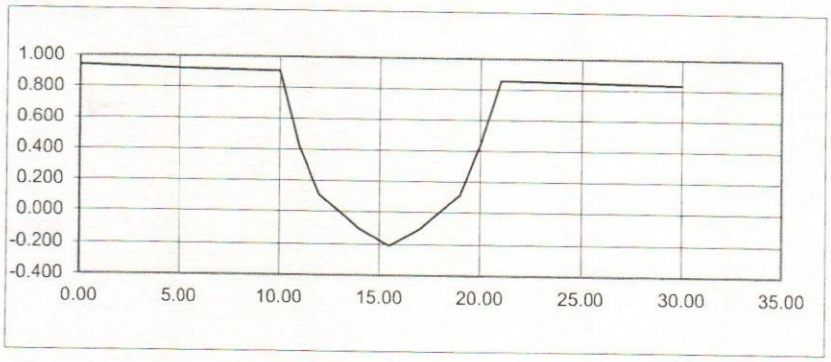
X - Section at km. 0.700

0.00	0.942	Paddy land
5.00	0.935	
10.00	0.921	LB
11.00	0.293	
13.00	-0.055	
15.00	-0.254	
16.00	-0.355	
17.00	-0.249	
19.00	-0.046	
21.00	0.257	
22.00	0.890	RB
27.00	0.879	
32.00	0.875	Paddy land



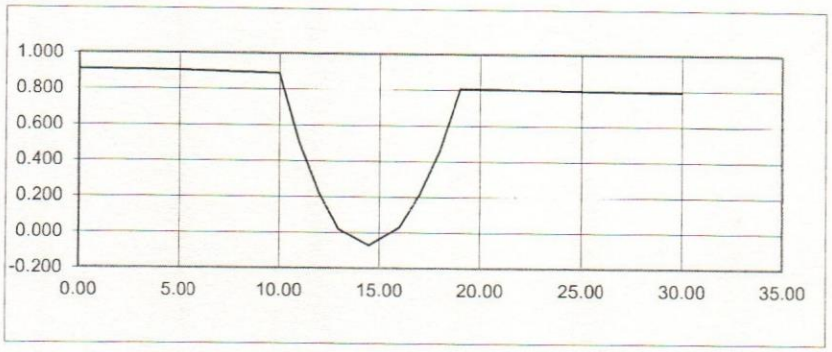
X - Section at km. 0.800

0.00	0.940	Paddy land
5.00	0.921	
10.00	0.909	LB
11.00	0.425	
12.00	0.111	
14.00	-0.103	
15.50	-0.209	
17.00	-0.104	
19.00	0.116	
20.00	0.441	
21.00	0.855	RB
25.00	0.846	
30.00	0.834	Paddy land



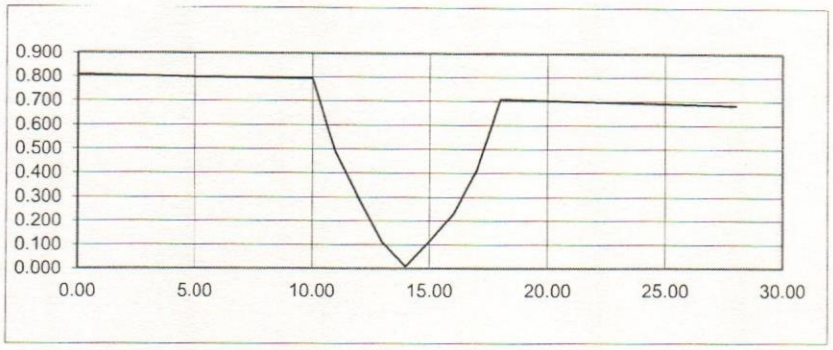
X - Section at km. 0.900

0.00	0.909	Paddy land
5.00	0.904	
10.00	0.891	LB
11.00	0.510	
12.00	0.221	
13.00	0.021	
14.50	-0.071	
16.00	0.030	
17.00	0.214	
18.00	0.466	
19.00	0.811	RB
25.00	0.800	
30.00	0.794	Paddy land



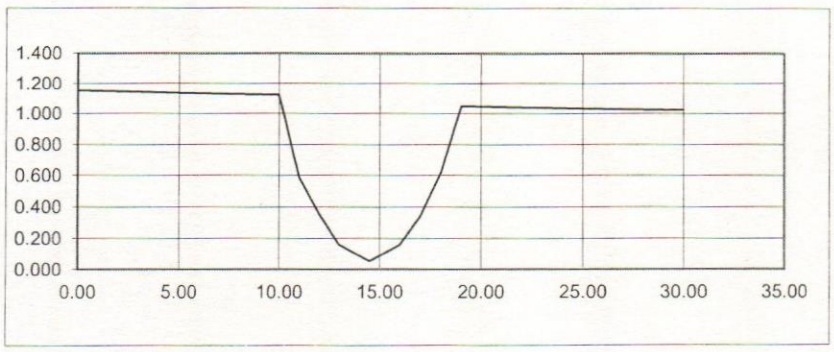
X - Section at km. 1.000

0.00	0.810	Paddy land
5.00	0.800	
10.00	0.795	LB
11.00	0.490	
12.00	0.294	
13.00	0.111	
14.00	0.009	
15.00	0.114	
16.00	0.230	
17.00	0.416	
18.00	0.711	RB
23.00	0.697	
28.00	0.685	Paddy land



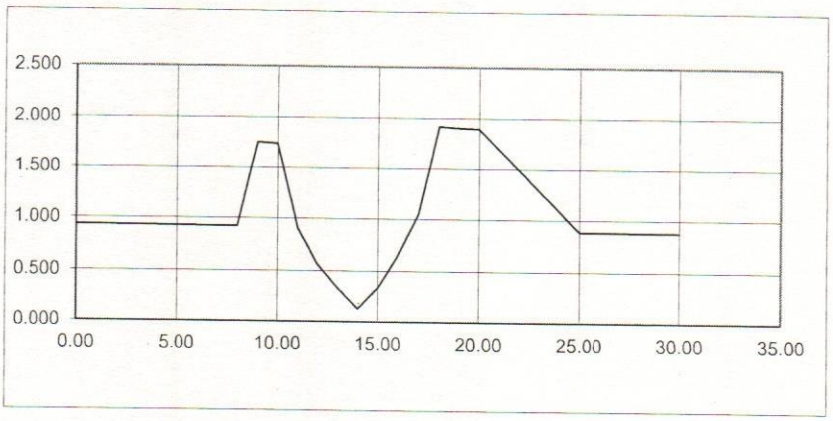
X - Section at km. 1.100

0.00	1.155	Paddy land
5.00	1.140	
10.00	1.127	LB
11.00	0.588	
12.00	0.351	
13.00	0.164	
14.50	0.056	
16.00	0.162	
17.00	0.340	
18.00	0.616	
19.00	1.050	RB
25.00	1.035	
30.00	1.026	Paddy land



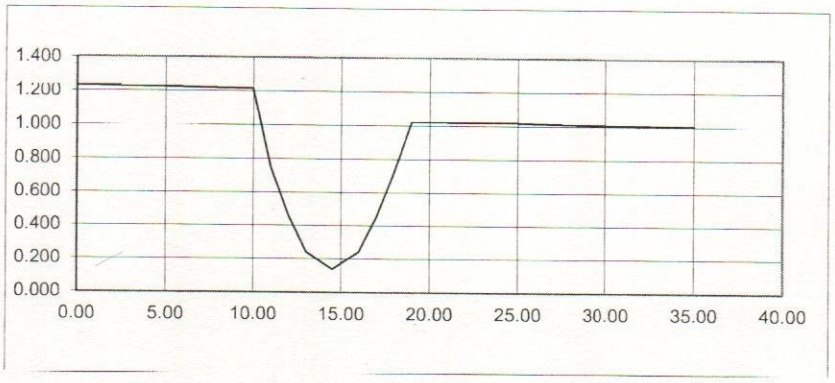
X - Section at km. 1.200

0.00	0.936	Paddy land
8.00	0.924	
9.00	1.751	
10.00	1.740	LB
11.00	0.910	
12.00	0.561	
13.00	0.334	
14.00	0.126	
15.00	0.330	
16.00	0.649	
17.00	1.051	
18.00	1.916	RB
19.00	1.905	
20.00	1.894	
25.00	0.888	
30.00	0.880	Paddy land



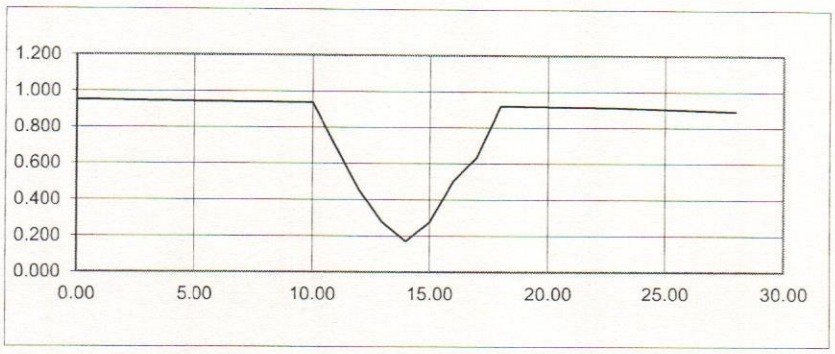
X - Section at km. 1.300

0.00	1.236	Paddy land
5.00	1.227	
10.00	1.216	LB
11.00	0.750	
12.00	0.458	
13.00	0.241	
14.50	0.136	
16.00	0.243	
17.00	0.450	
18.00	0.727	
19.00	1.026	RB
25.00	1.021	
30.00	1.010	
35.00	1.005	Paddy land



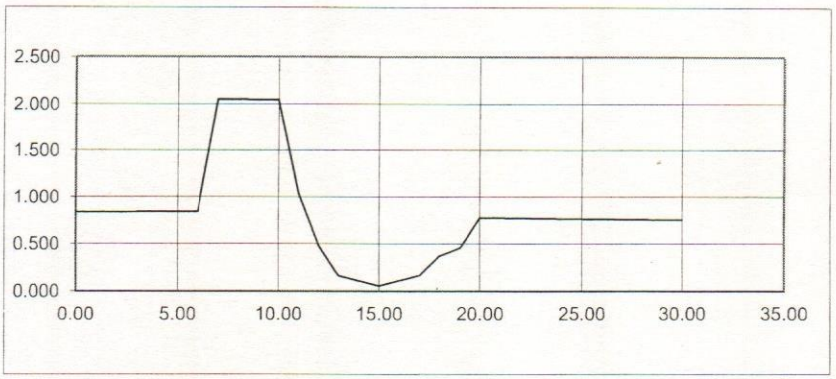
X - Section at km. 1.400

0.00	0.954	Paddy land
5.00	0.946	
10.00	0.941	LB
11.00	0.693	
12.00	0.460	
13.00	0.277	
14.00	0.172	
15.00	0.275	
16.00	0.506	
17.00	0.636	
18.00	0.921	RB
23.00	0.913	
28.00	0.893	Paddy land



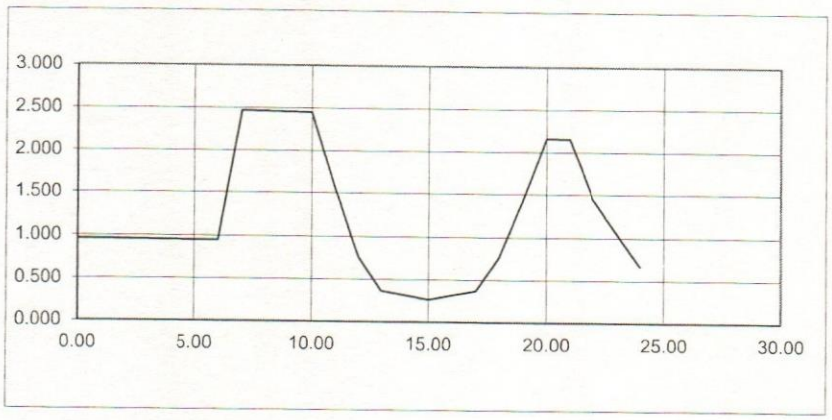
X - Section at km. 1.500

0.00	0.833	Paddy land
6.00	0.840	
7.00	2.058	
10.00	2.053	LB
11.00	1.037	
12.00	0.473	
13.00	0.161	
15.00	0.058	
17.00	0.164	
18.00	0.371	
19.00	0.458	
20.00	0.774	RB
25.00	0.762	
30.00	0.748	Paddy land



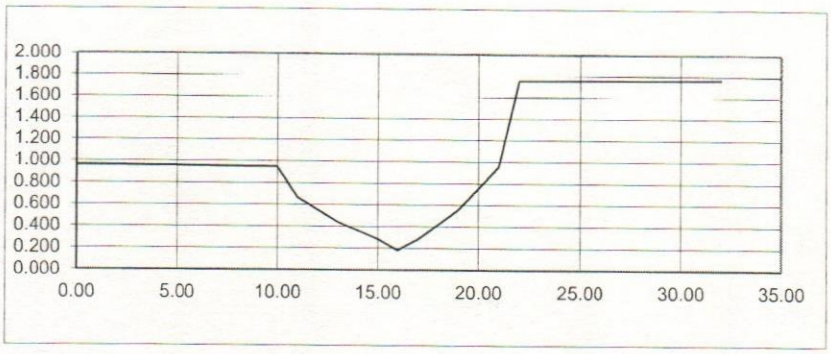
X - Section at km. 1.600

0.00	0.962	Paddy land
6.00	0.949	
7.00	2.469	Earthen rd
10.00	2.453	LB
11.00	1.560	
12.00	0.761	
13.00	0.367	
15.00	0.264	
17.00	0.370	
18.00	0.767	
19.00	1.438	
20.00	2.158	RB
21.00	2.153	
22.00	1.453	
24.00	0.668	Pond



X - Section at km. 1.700

0.00	0.962	Paddy land
5.00	0.957	
10.00	0.949	LB
11.00	0.663	
13.00	0.442	
15.00	0.287	
16.00	0.182	
17.00	0.283	
19.00	0.553	
21.00	0.958	
22.00	1.751	RB
27.00	1.762	
32.00	1.772	Home stead

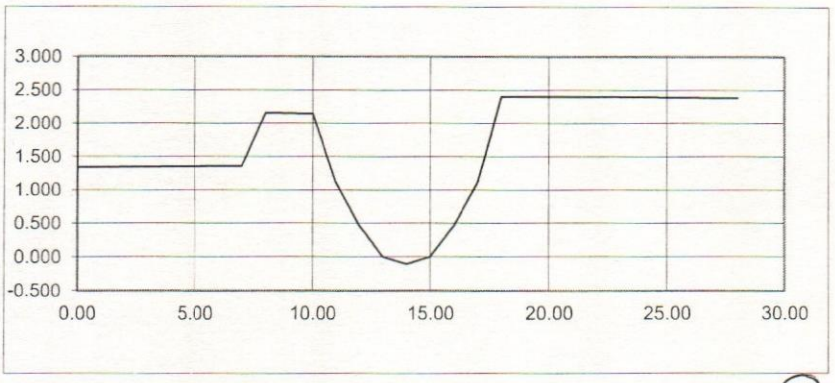


X - Section at km. 1.800

0.00	1.012	Paddy land
5.00	1.025	
6.00	2.251	
10.00	2.141	LB
11.00	1.208	
12.00	0.732	
13.00	0.453	
13.50	0.282	
14.00	0.387	
15.00	0.763	
16.00	1.253	
17.00	2.257	RB
20.00	2.262	House

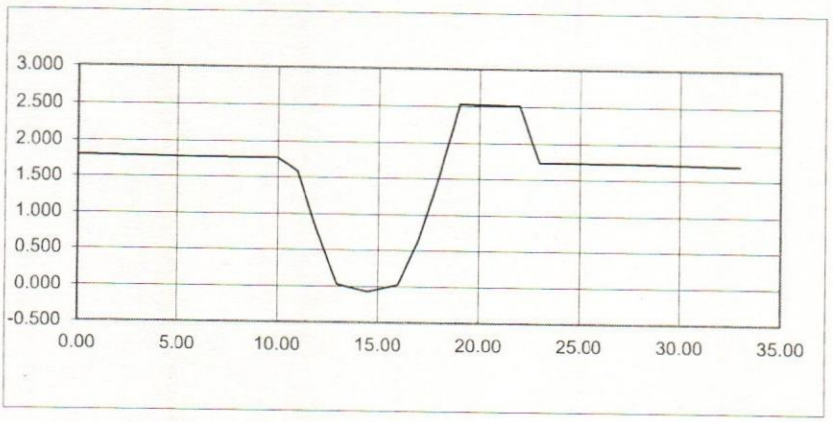
X - Section at km. 1.900

0.00	1.346	Paddy land
7.00	1.364	
8.00	2.161	
10.00	2.150	LB
11.00	1.116	
12.00	0.461	
13.00	-0.001	
14.00	-0.103	
15.00	0.001	
16.00	0.460	
17.00	1.115	
18.00	2.410	RB
23.00	2.405	
28.00	2.390	



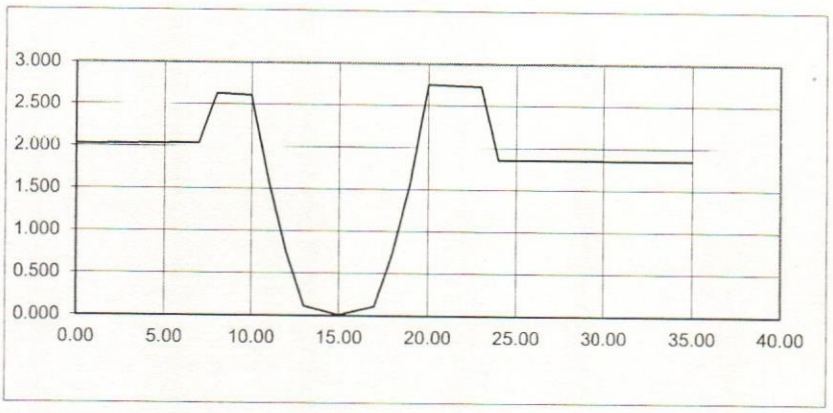
X - Section at km. 2.000

0.00	1.803	Paddy land
5.00	1.785	
10.00	1.776	LB
11.00	1.589	
12.00	0.735	
13.00	0.030	
14.50	-0.072	
16.00	0.033	
17.00	0.649	
18.00	1.540	
19.00	2.528	RB
22.00	2.514	
23.00	1.735	
28.00	1.729	
33.00	1.703	Paddy land



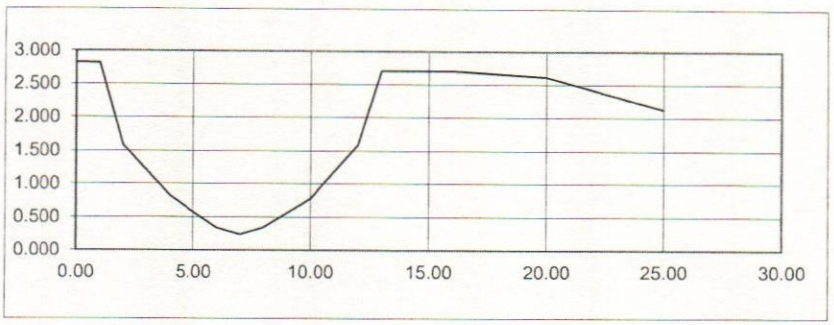
X - Section at km. 2.100

0.00	2.023	Paddy land
7.00	2.040	
8.00	2.630	
10.00	2.615	LB
11.00	1.584	
12.00	0.733	
13.00	0.113	
15.00	0.009	
17.00	0.110	
18.00	0.729	
19.00	1.580	
20.00	2.749	RB
23.00	2.734	
24.00	1.866	
30.00	1.859	
35.00	1.854	Paddy land



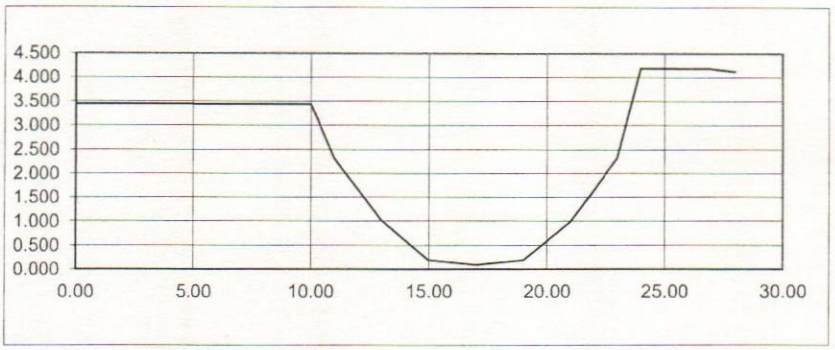
X - Section at km. 2.200

0.00	2.829	House
1.00	2.820	LB
2.00	1.582	
4.00	0.817	
6.00	0.340	
7.00	0.237	
8.00	0.343	
10.00	0.782	
12.00	1.587	
13.00	2.703	RB
16.00	2.709	HBB road
20.00	2.619	
25.00	2.130	House



X - Section at km. 2.325

0.00	3.451	Garden
5.00	3.444	
10.00	3.439	
11.00	2.313	LB
13.00	1.020	
15.00	0.198	
17.00	0.094	
19.00	0.195	
21.00	0.989	
23.00	2.315	
24.00	4.194	RB
27.00	4.180	BC road
28.00	4.125	House



30/10/24
(Md. Safiqul Islam Sheikh)
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BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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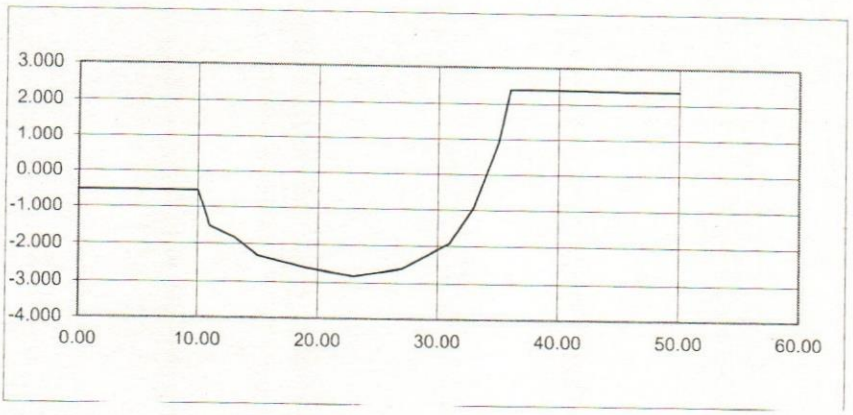
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalganj

Cross Section of Out fall river **(Digharkul khal)** Re-excavation of Gazir khal from km. 0.000 to km. 2.325 in polder - 2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

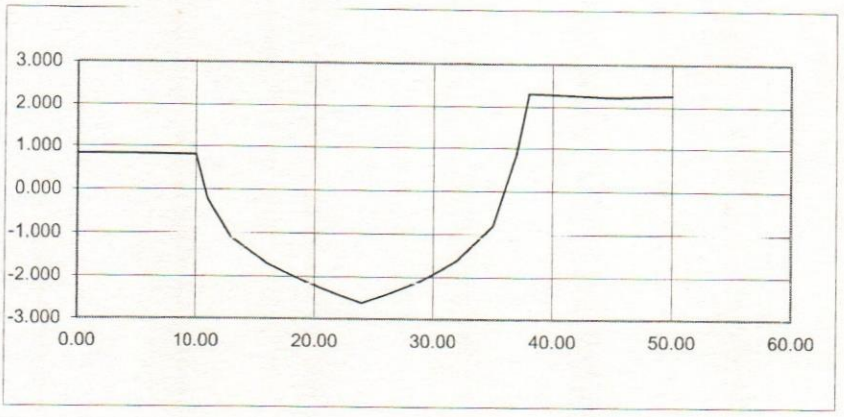
Cross section of Digharkul khal along the Gazir khal

0.00	-0.510	Khal
5.00	-0.516	
10.00	-0.520	LB
11.00	-1.512	
13.00	-1.800	
15.00	-2.295	
19.00	-2.602	
23.00	-2.811	
27.00	-2.605	
31.00	-1.906	
33.00	-0.916	
35.00	0.903	
36.00	2.390	RB
40.00	2.380	
45.00	2.369	
50.00	2.354	Char



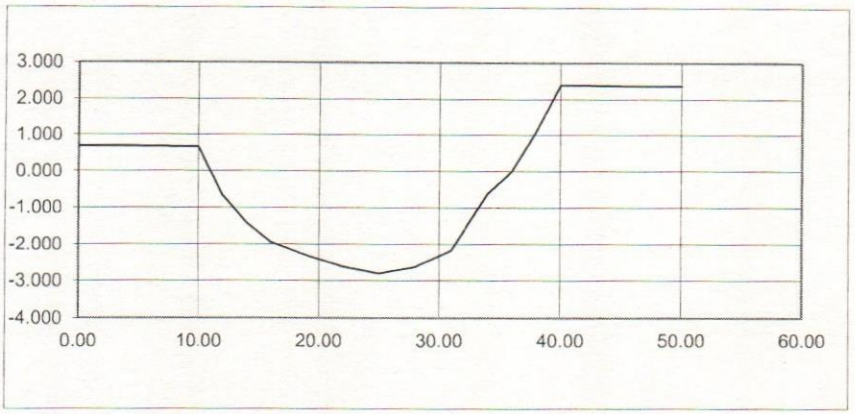
Cross section of Digharkul khal 50m US from meeting point of Gazir khal

0.00	0.841	Paddy land
5.00	0.830	
10.00	0.819	LB
11.00	-0.206	
13.00	-1.100	
16.00	-1.705	
19.00	-2.107	
22.00	-2.436	
24.00	-2.628	
26.00	-2.431	
29.00	-2.096	
32.00	-1.607	
35.00	-0.805	
37.00	0.889	
38.00	2.305	RB
45.00	2.229	
50.00	2.270	Paddy land



Cross section of Digharkul khal 50m DS from meeting point of Gazir khal

0.00	0.699	Paddy land
5.00	0.691	
10.00	0.668	LB
12.00	-0.647	
14.00	-1.405	
16.00	-1.930	
19.00	-2.295	
22.00	-2.617	
25.00	-2.807	
28.00	-2.621	
31.00	-2.167	
34.00	-0.605	
36.00	-0.007	
38.00	1.098	
40.00	2.394	RB
45.00	2.380	
50.00	2.369	Paddy land



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
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IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

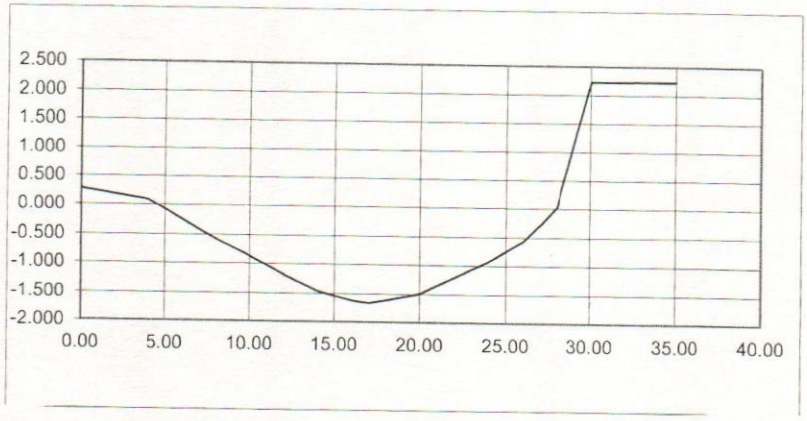
30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Offtake river **(Digharkul khal)** Re-excavation of Gazir khal from km. 0.000 to km. 2.325 in polder - 2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

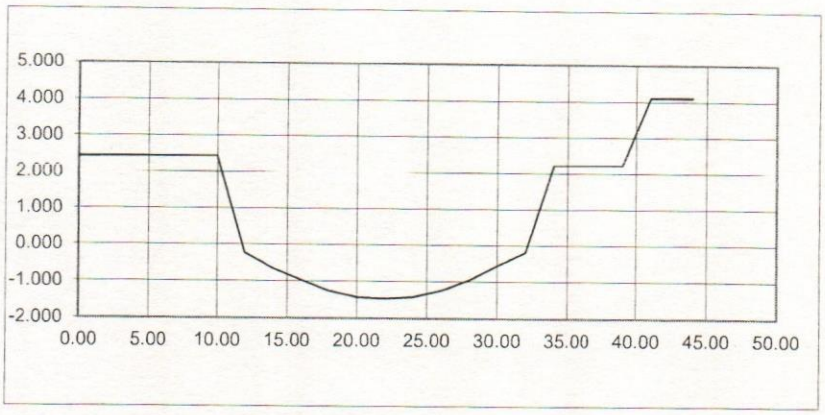
Cross section of Digharkul khal along the Gazir khal

0.00	0.289	
2.00	0.189	
4.00	0.094	LB
6.00	-0.232	
8.00	-0.561	
10.00	-0.866	
12.00	-1.171	
14.00	-1.450	
16.00	-1.611	
17.00	-1.661	
18.00	-1.607	
20.00	-1.486	
22.00	-1.194	
24.00	-0.917	
26.00	-0.566	
28.00	0.029	
30.00	2.229	RB
35.00	2.239	



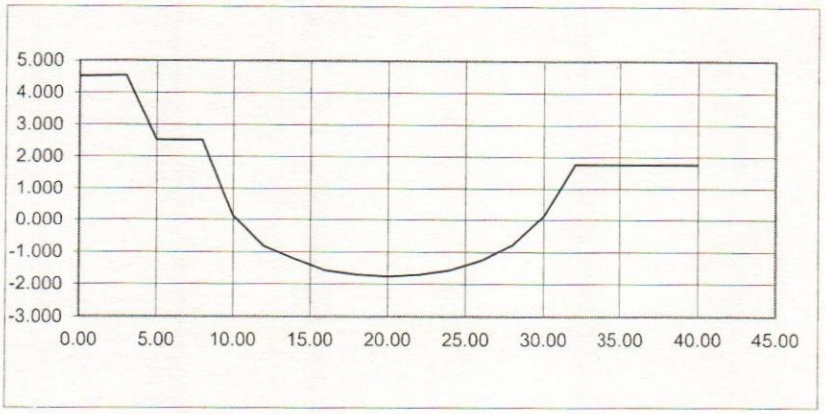
Cross section of Digharkul khal 50m US from meeting point of Gazir khal

0.00	2.449	House area
5.00	2.444	
10.00	2.439	LB
12.00	-0.232	
14.00	-0.656	
16.00	-0.951	
18.00	-1.250	
20.00	-1.417	
22.00	-1.461	
24.00	-1.407	
26.00	-1.241	
28.00	-0.946	
30.00	-0.552	
32.00	-0.191	
34.00	2.234	RB
39.00	2.226	
41.00	4.105	
44.00	4.110	Embankt.



Cross section of Digharkul khal 50m DS from meeting point of Gazir khal

0.00	4.511	BC road
3.00	4.546	
5.00	2.534	
8.00	2.529	LB
10.00	0.139	
12.00	-0.811	
14.00	-1.217	
16.00	-1.566	
18.00	-1.708	
20.00	-1.761	
22.00	-1.707	
24.00	-1.561	
26.00	-1.261	
28.00	-0.766	
30.00	0.134	
32.00	1.768	RB
40.00	1.774	Open land



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Silna-Shir khal

1.	Name of the proposed Khal	:	Silna-Shir khal
2.	Catchments Area	:	180.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.730 m (PWD)
4.	Avg. Ground level of the area	:	1.20 m (PWD)
5.	Length of the Khal	:	1.570 km
6.	Bed level of the outfall Khal/River	:	(-) 2.188 (PWD) (Singharkul khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	4.00m.
10.	The proposed bed level of the Khal	:	(-) 1.30 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	29.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
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(Mohammad Zahir Mazhar)
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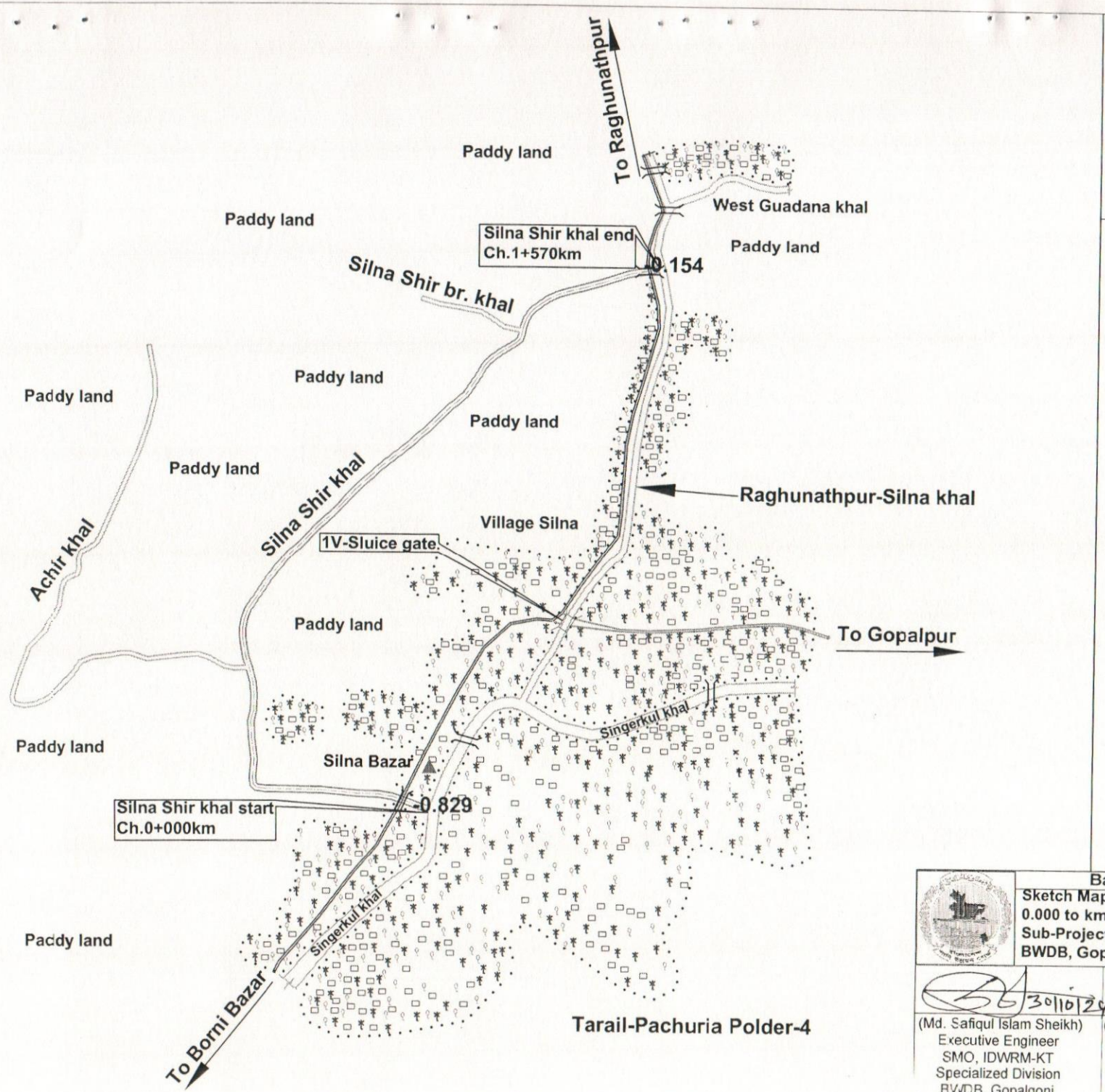
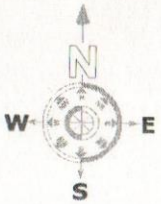
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Church , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

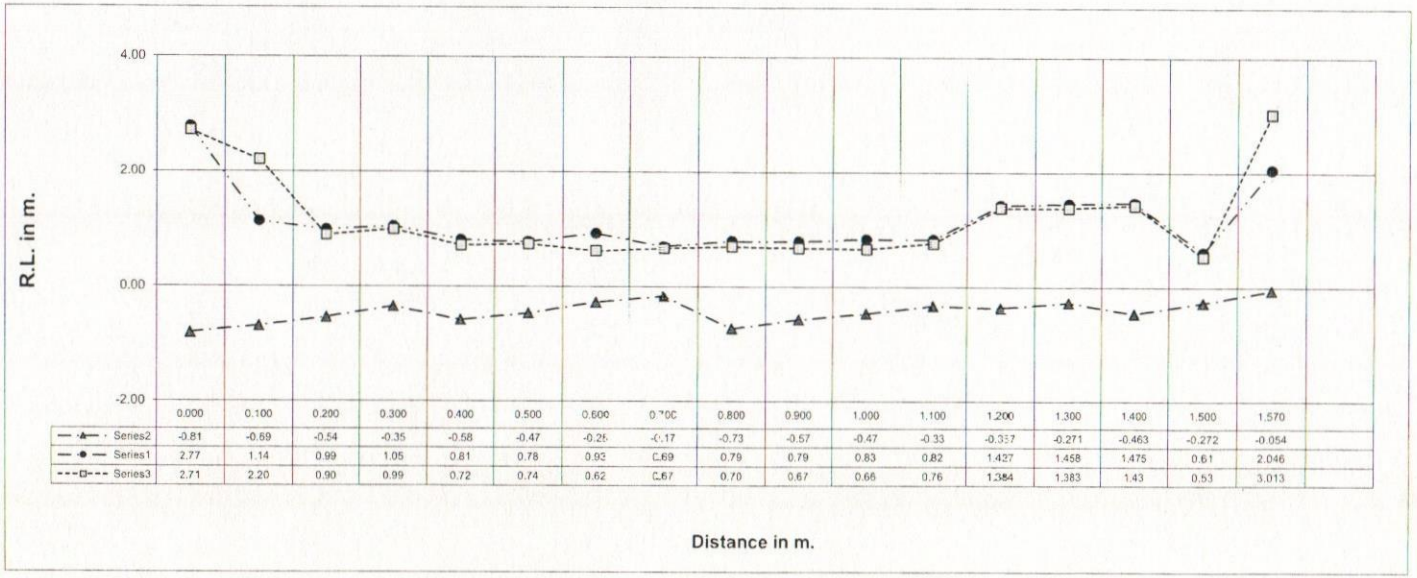
Bangladesh Water Development Board

Sketch Map for Re-excavation of Silna-Shir khal from km. 0.000 to km. 1.570 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Silna-Shir khal																
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.570
C/L R.L.	-0.81	-0.69	-0.54	-0.35	-0.58	-0.47	-0.28	-0.17	-0.73	-0.57	-0.47	-0.33	-0.367	-0.271	-0.46	-0.27	-0.054
L/BR.L.	2.77	1.14	0.99	1.05	0.81	0.78	0.93	0.69	0.79	0.79	0.83	0.82	1.427	1.458	1.48	0.61	2.046
R/B R.L.	2.71	2.20	0.90	0.99	0.72	0.74	0.62	0.67	0.70	0.67	0.66	0.76	1.384	1.383	1.43	0.53	3.013

Long Section for re-excavation of Silna-Shir khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.570
Series2	-0.81	-0.69	-0.54	-0.35	-0.58	-0.47	-0.28	-0.17	-0.73	-0.57	-0.47	-0.33	-0.367	-0.271	-0.463	-0.272	-0.054
Series1	2.77	1.14	0.99	1.05	0.81	0.78	0.93	0.69	0.79	0.79	0.83	0.82	1.427	1.458	1.475	0.61	2.046
Series3	2.71	2.20	0.90	0.99	0.72	0.74	0.62	0.67	0.70	0.67	0.66	0.76	1.384	1.383	1.43	0.53	3.013

BANGLADESH WATER DEVELOPMENT BOARD

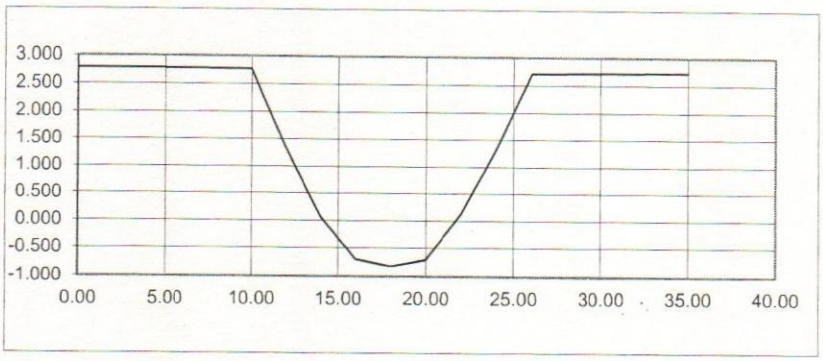
Long Section for Re-excavation of Silna-Shir khal from km. 0.000 to km. 1.570 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Silna-Shir khal from km. 0.000 to km. 1.570 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

X - Section at km. 0.000

0.00	2.783	Khal bank
5.00	2.778	
10.00	2.770	LB
12.00	1.332	
14.00	0.067	
16.00	-0.696	
18.00	-0.811	
20.00	-0.699	
22.00	0.119	
24.00	1.328	
26.00	2.710	RB
30.00	2.726	
35.00	2.734	Khal bank

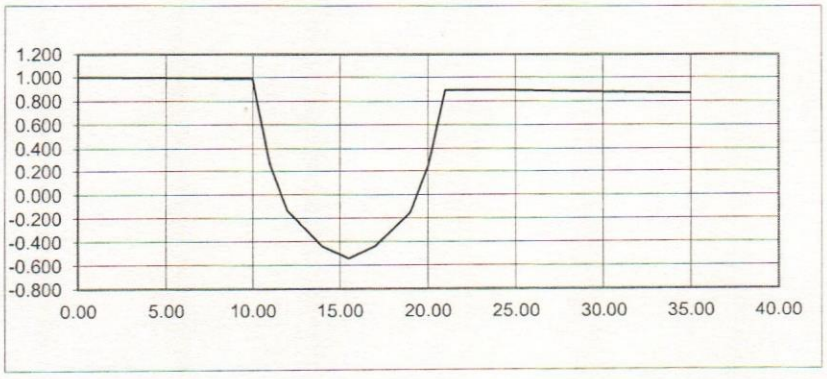


X - Section at km. 0.100

0.00	1.150	Paddy land
5.00	1.142	
10.00	1.137	LB
11.00	0.111	
12.00	-0.277	
14.00	-0.588	
15.50	-0.693	
17.00	-0.591	
19.00	-0.084	
20.00	0.867	RB
21.00	2.202	
24.00	2.211	
25.00	1.267	
30.00	1.256	
35.00	1.241	Paddy land

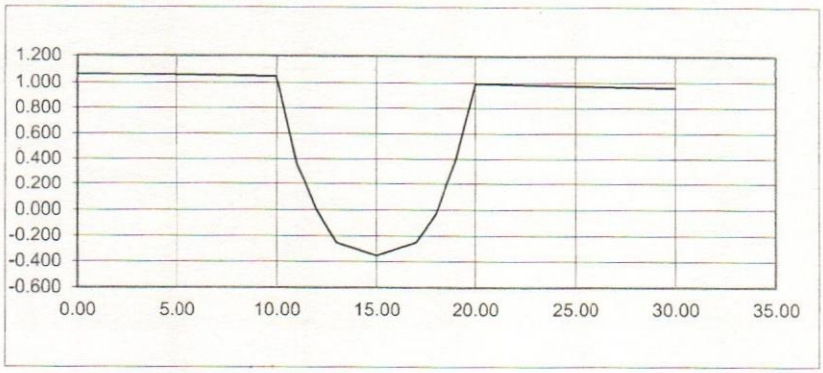
X - Section at km. 0.200

0.00	1.003	Paddy land
5.00	0.998	
10.00	0.989	LB
11.00	0.261	
12.00	-0.132	
14.00	-0.436	
15.50	-0.541	
17.00	-0.435	
19.00	-0.151	
20.00	0.240	RB
21.00	0.896	
25.00	0.892	
30.00	0.879	
35.00	0.867	Paddy land



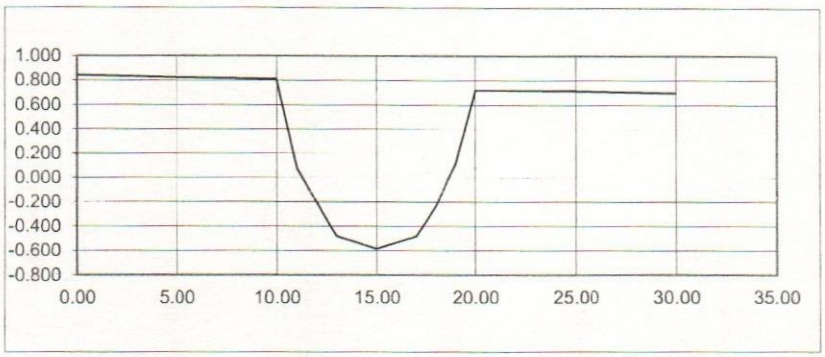
X - Section at km. 0.300

0.00	1.069	Paddy land
5.00	1.060	
10.00	1.047	LB
11.00	0.362	
12.00	0.004	
13.00	-0.251	
15.00	-0.352	
17.00	-0.250	
18.00	-0.021	
19.00	0.394	
20.00	0.993	RB
25.00	0.973	
30.00	0.961	Paddy land



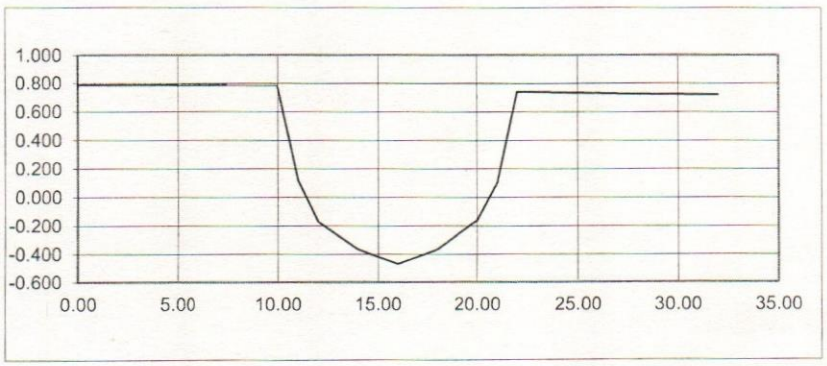
X - Section at km. 0.400

0.00	0.840	Paddy land
5.00	0.822	
10.00	0.811	LB
11.00	0.077	
12.00	-0.202	
13.00	-0.478	
15.00	-0.584	
17.00	-0.479	
18.00	-0.223	
19.00	0.127	
20.00	0.720	RB
25.00	0.712	
30.00	0.699	Paddy land



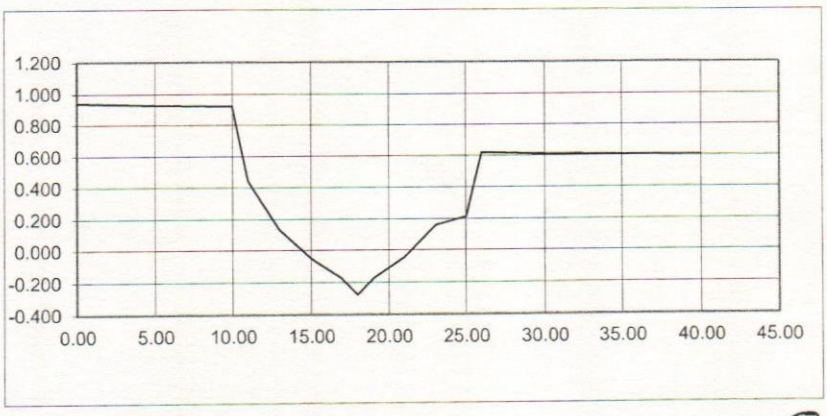
X - Section at km. 0.500

0.00	0.790	Paddy land
5.00	0.781	
10.00	0.776	LB
11.00	0.121	
12.00	-0.169	
14.00	-0.362	
16.00	-0.468	
18.00	-0.364	
20.00	-0.158	
21.00	0.107	
22.00	0.742	RB
27.00	0.727	
32.00	0.720	Paddy land



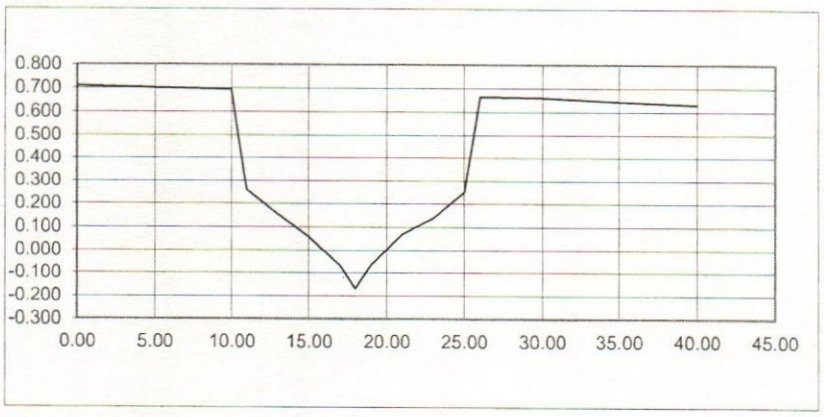
X - Section at km. 0.600

0.00	0.942	Paddy land
5.00	0.930	
10.00	0.925	LB
11.00	0.445	
13.00	0.132	
15.00	-0.050	
17.00	-0.174	
18.00	-0.277	
19.00	-0.175	
21.00	-0.046	
23.00	0.159	
25.00	0.211	
26.00	0.624	RB
30.00	0.615	
35.00	0.610	
40.00	0.605	Paddy land



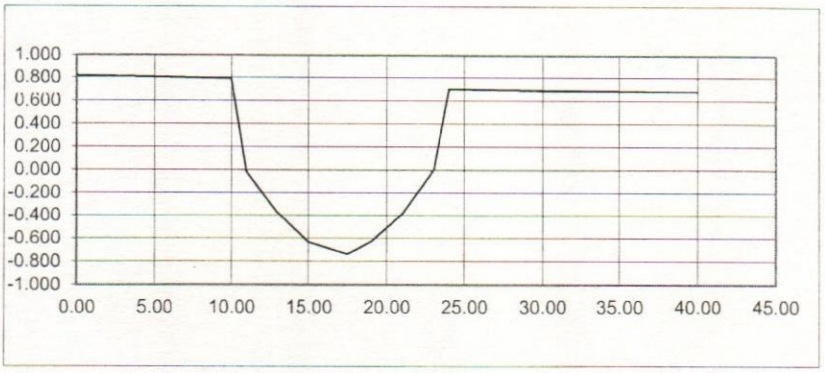
X - Section at km. 0.700

0.00	0.710	Paddy land
5.00	0.702	
10.00	0.694	LB
11.00	0.261	
13.00	0.154	
15.00	0.060	
17.00	-0.064	
18.00	-0.168	
19.00	-0.065	
21.00	0.070	
23.00	0.141	
25.00	0.252	
26.00	0.665	RB
30.00	0.660	
35.00	0.645	
40.00	0.632	Paddy land



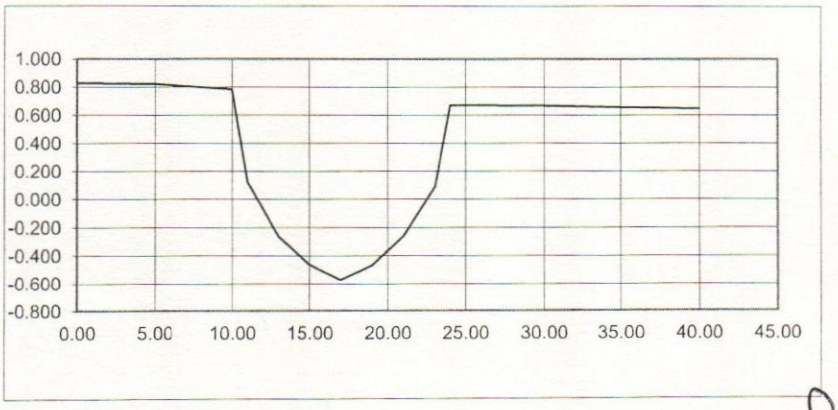
X - Section at km. 0.800

0.00	0.816	Paddy land
5.00	0.804	
10.00	0.792	LB
11.00	-0.024	
13.00	-0.377	
15.00	-0.632	
17.50	-0.733	
19.00	-0.629	
21.00	-0.383	
23.00	0.003	
24.00	0.703	RB
30.00	0.692	
35.00	0.687	
40.00	0.678	Paddy land



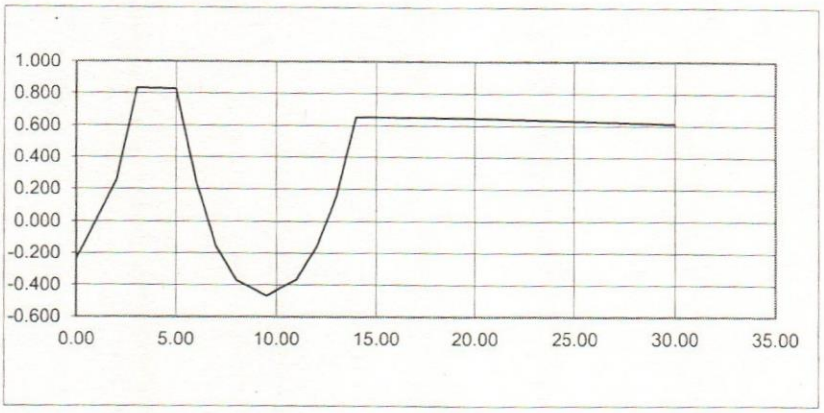
X - Section at km. 0.900

0.00	0.828	Paddy land
5.00	0.822	
10.00	0.785	LB
11.00	0.128	
13.00	-0.262	
15.00	-0.463	
17.00	-0.572	
19.00	-0.468	
21.00	-0.259	
23.00	0.095	
24.00	0.673	RB
30.00	0.667	
35.00	0.656	
40.00	0.648	Paddy land



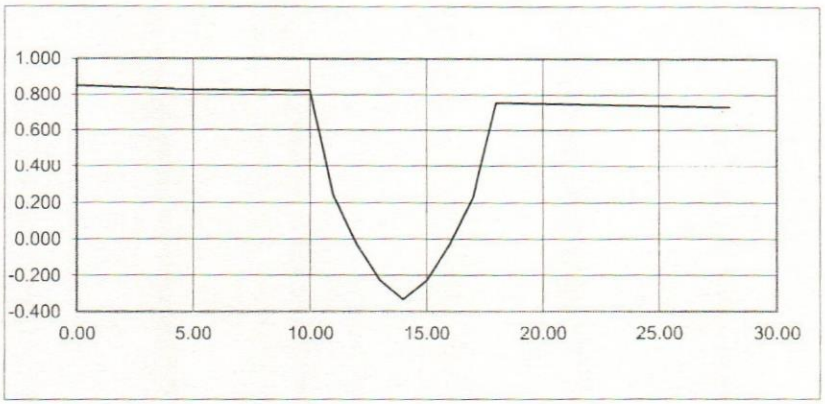
X - Section at km. 1.000

0.00	-0.236	Pond
2.00	0.257	
3.00	0.833	
5.00	0.828	LB
6.00	0.254	
7.00	-0.158	
8.00	-0.368	
9.50	-0.467	
11.00	-0.364	
12.00	-0.161	
13.00	0.157	
14.00	0.658	RB
20.00	0.649	
25.00	0.635	
30.00	0.618	Paddy land



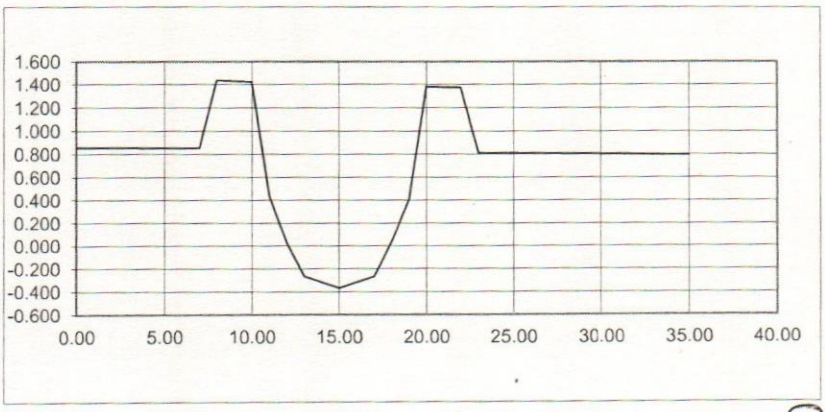
X - Section at km. 1.100

0.00	0.853	Paddy land
5.00	0.828	
10.00	0.823	LB
11.00	0.242	
12.00	-0.026	
13.00	-0.225	
14.00	-0.331	
15.00	-0.228	
16.00	-0.031	
17.00	0.233	
18.00	0.758	RB
23.00	0.744	
28.00	0.732	Paddy land



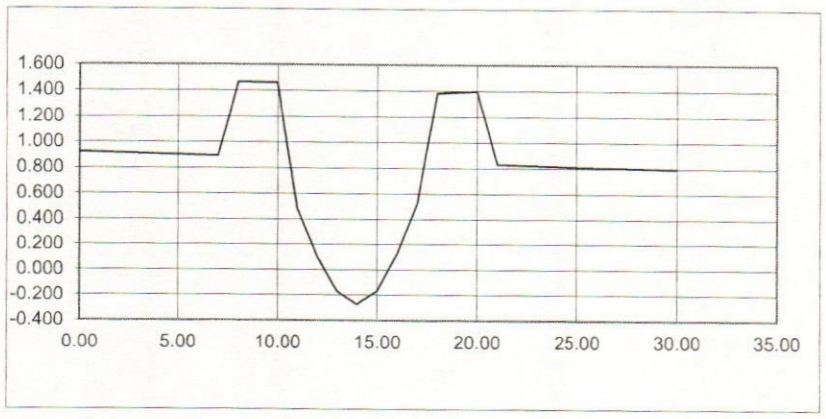
X - Section at km. 1.200

0.00	0.858	Paddy land
7.00	0.853	
8.00	1.439	
10.00	1.427	LB
11.00	0.439	
12.00	0.027	
13.00	-0.263	
15.00	-0.367	
17.00	-0.265	
18.00	0.038	
19.00	0.409	
20.00	1.384	RB
22.00	1.375	
23.00	0.814	
30.00	0.802	
35.00	0.794	Paddy land



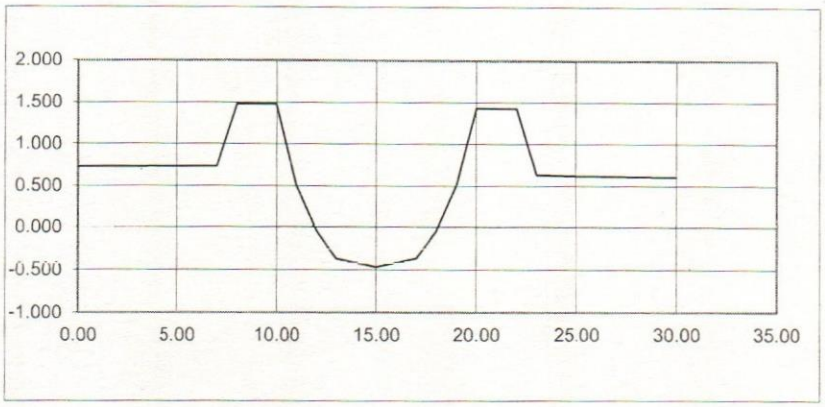
X - Section at km. 1.300

0.00	0.927	Paddy land
7.00	0.896	
8.00	1.465	
10.00	1.458	LB
11.00	0.483	
12.00	0.104	
13.00	-0.168	
14.00	-0.271	
15.00	-0.169	
16.00	0.127	
17.00	0.529	
18.00	1.383	RB
20.00	1.396	
21.00	0.832	
25.00	0.814	
30.00	0.796	Paddy land



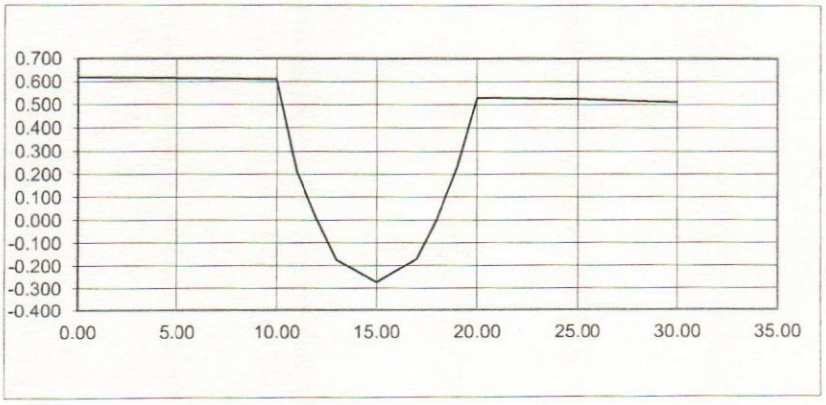
X - Section at km. 1.400

0.00	0.727	Paddy land
7.00	0.735	
8.00	1.480	
10.00	1.475	LB
11.00	0.510	
12.00	-0.033	
13.00	-0.362	
15.00	-0.463	
17.00	-0.360	
18.00	-0.040	
19.00	0.511	
20.00	1.430	RB
22.00	1.425	
23.00	0.631	
25.00	0.620	
30.00	0.606	Paddy land



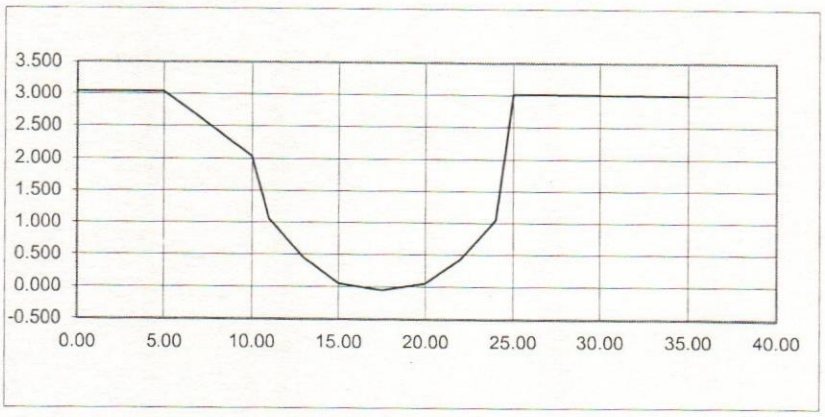
X - Section at km. 1.500

0.00	0.620	Paddy land
5.00	0.615	
10.00	0.610	LB
11.00	0.216	
12.00	0.010	
13.00	-0.173	
15.00	-0.272	
17.00	-0.170	
18.00	0.005	
19.00	0.231	
20.00	0.530	RB
25.00	0.525	
30.00	0.510	Paddy land



X - Section at km. 1.570

0.00	3.037	Khal bank
5.00	3.032	
10.00	2.046	LB
11.00	1.058	
13.00	0.446	
15.00	0.054	
17.50	-0.054	
20.00	0.058	
22.00	0.432	
24.00	1.057	
25.00	3.013	RB
30.00	3.002	
35.00	2.994	Khal bank



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
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(Mohammad Zahir Mazhar)
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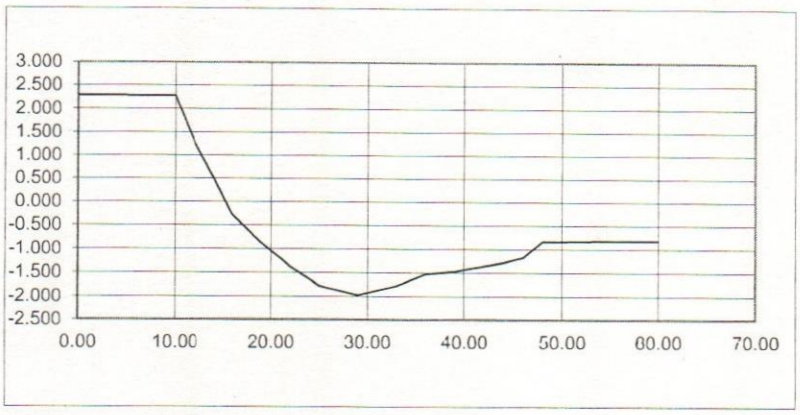
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section for Out fall khal **(Singharkul khal)** Re-excavation of Silna-Shir khal from km. 0.000 to km. 1.570 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

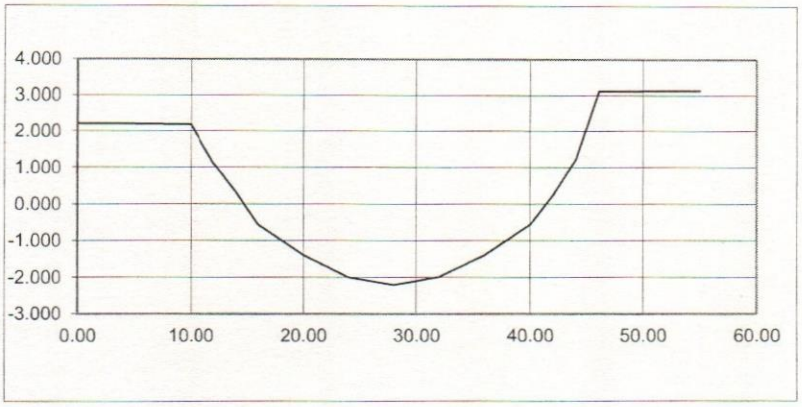
Cross section of Singharkul khal along the Silna Shir khal

0.00	2.293
5.00	2.288
10.00	2.280
12.00	1.313
14.00	0.534
16.00	-0.267
19.00	-0.859
22.00	-1.368
25.00	-1.763
29.00	-1.977
33.00	-1.766
36.00	-1.517
39.00	-1.466
42.00	-1.348
44.00	-1.267
46.00	-1.168
48.00	-0.829
53.00	-0.817
60.00	-0.811



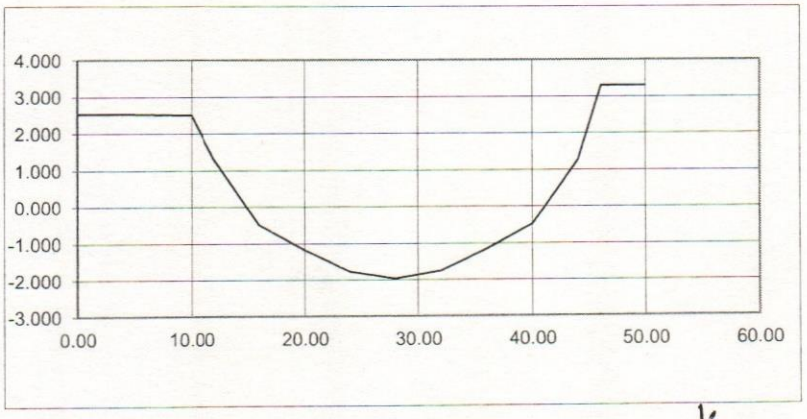
Cross section of Singharkul khal 50 DS from meeting point of Silna-Shir khal

0.00	2.211
5.00	2.202
10.00	2.190
12.00	1.139
14.00	0.340
16.00	-0.568
20.00	-1.390
24.00	-1.977
28.00	-2.188
32.00	-1.971
36.00	-1.389
40.00	-0.568
42.00	0.238
44.00	1.238
46.00	3.111
50.00	3.123
55.00	3.134



Cross section of Singharkul khal 50 US from meeting point of Silna-Shir khal

0.00	2.532
5.00	2.523
10.00	2.508
12.00	1.333
14.00	0.434
16.00	-0.489
20.00	-1.179
24.00	-1.761
28.00	-1.966
32.00	-1.749
36.00	-1.157
40.00	-0.482
42.00	0.391
44.00	1.289
46.00	3.291
50.00	3.300



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
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BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Gabir Beel khal

1.	Name of the proposed Khal	:	Gabir Beel khal
2.	Catchments Area	:	240.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 1.12 m (PWD)
4.	Avg. Ground level of the area	:	0.65 m (PWD)
5.	Length of the Khal	:	2.270 km
6.	Bed level of the outfall Khal/River	:	(-) 0.78 (PWD) (Kachida khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	4.00m.
10.	The proposed bed level of the Khal	:	(-) 1.00 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	33.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
(Md. Safiqul Islam Sheikh)
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30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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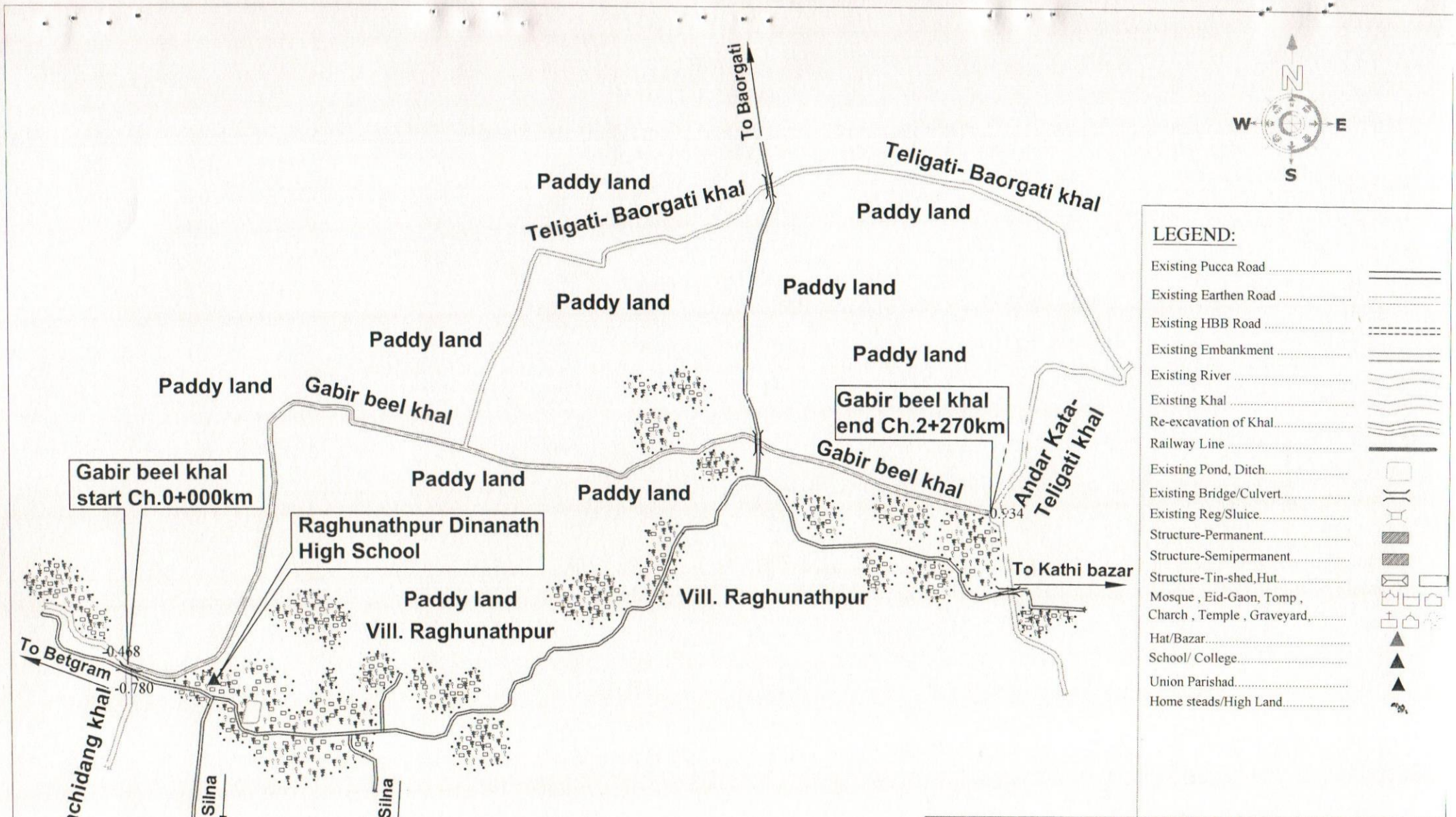
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj



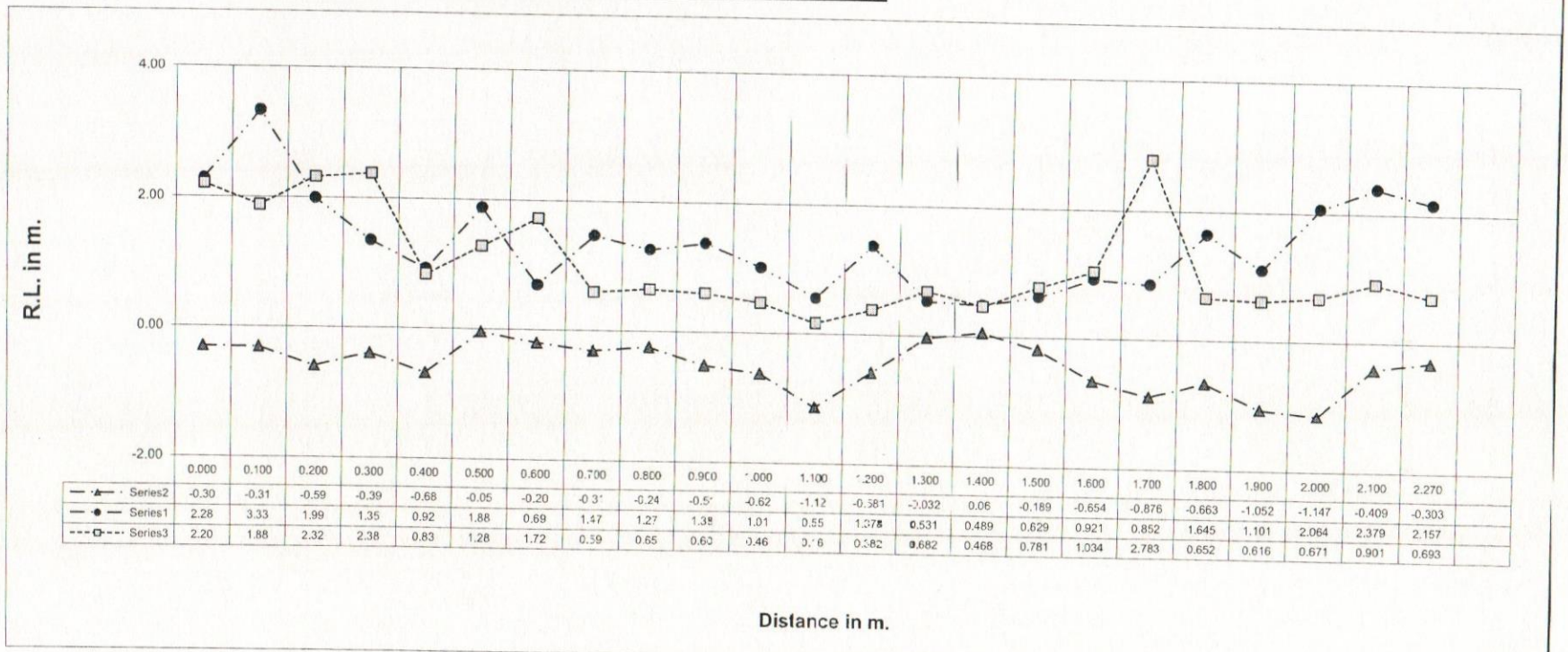
Bangladesh Water Development Board

Sketch Map for Re-excavation of Gabir Beel khal from km. 0.000 to km. 2.270 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Aminul Islam Sohag) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Gabir Beel khal																						
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.270
C/L R.L.	-0.30	-0.31	-0.59	-0.39	-0.68	-0.05	-0.20	-0.31	-0.24	-0.51	-0.62	-1.12	-0.581	-0.032	0.06	-0.19	-0.654	-0.876	-0.663	-1.052	-1.147	-0.409	-0.303
L/BR.L.	2.28	3.33	1.99	1.35	0.92	1.88	0.69	1.47	1.27	1.38	1.01	0.55	1.378	0.531	0.49	0.629	0.921	0.852	1.645	1.101	2.064	2.379	2.157
R/B R.L.	2.20	1.88	2.32	2.38	0.83	1.28	1.72	0.59	0.65	0.60	0.46	0.16	0.382	0.682	0.47	0.781	1.034	2.783	0.652	0.616	0.671	0.901	0.693

Long Section for re-excavation of Gabir Beel khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.270
Series2	-0.30	-0.31	-0.59	-0.39	-0.68	-0.05	-0.20	-0.31	-0.24	-0.51	-0.62	-1.12	-0.581	-0.032	0.06	-0.189	-0.654	-0.876	-0.663	-1.052	-1.147	-0.409	-0.303
Series1	2.28	3.33	1.99	1.35	0.92	1.88	0.69	1.47	1.27	1.38	1.01	0.55	1.378	0.531	0.489	0.629	0.921	0.852	1.645	1.101	2.064	2.379	2.157
Series3	2.20	1.88	2.32	2.38	0.83	1.28	1.72	0.59	0.65	0.60	0.46	0.16	0.382	0.682	0.468	0.781	1.034	2.783	0.652	0.616	0.671	0.901	0.693

BANGLADESH WATER DEVELOPMENT BOARD

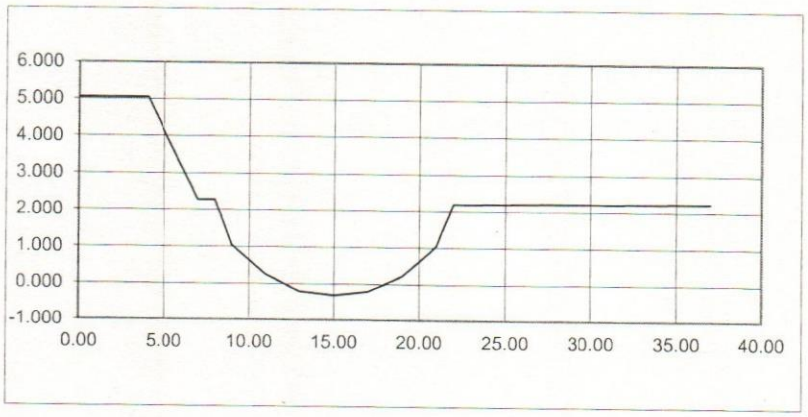
Long Section for Re-excavation of Gabir Beel khal from km. 0.000 to km. 2.270 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30/10/24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Gabir Beel khal from km. 0.000 to km. 2.270 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

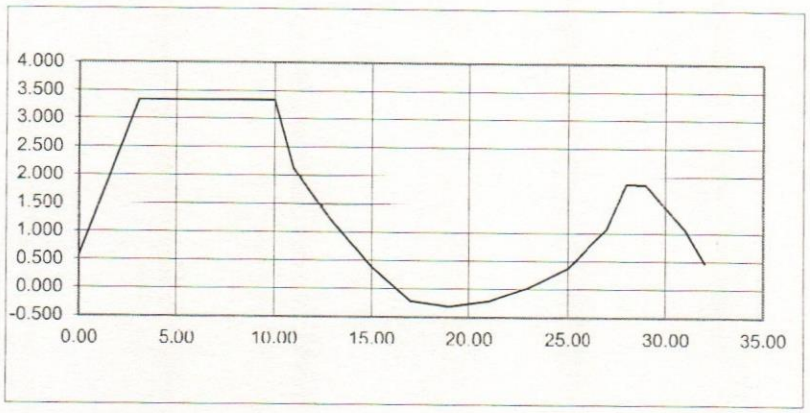
X - Section at km. 0.000

0.00	5.053	BC road
4.00	5.041	
7.00	2.293	
8.00	2.284	LB
9.00	1.057	
11.00	0.245	
13.00	-0.200	
15.00	-0.304	CL
17.00	-0.202	
19.00	0.221	
21.00	1.050	
22.00	2.200	RB
27.00	2.222	
32.00	2.233	
37.00	2.245	Home stead



X - Section at km. 0.100

0.00	0.575	Paddy land
3.00	3.344	BC road
10.00	3.332	LB
11.00	2.131	
13.00	1.184	
15.00	0.387	
17.00	-0.214	
19.00	-0.313	CL
21.00	-0.209	
23.00	0.022	
25.00	0.376	
27.00	1.083	
28.00	1.875	RB
29.00	1.866	
31.00	1.071	
32.00	0.473	Fisheries

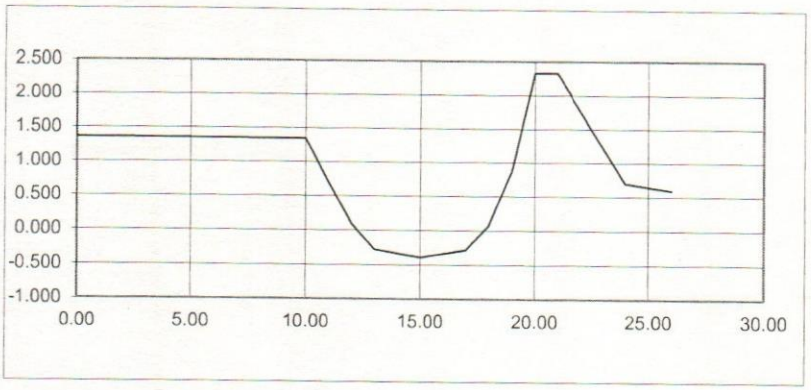


X - Section at km. 0.200

0.00	0.396	Paddy land
7.00	0.405	
8.00	2.001	
10.00	1.988	LB
11.00	1.001	
12.00	0.076	
13.00	-0.491	
15.00	-0.592	CL
17.00	-0.489	
18.00	0.071	
19.00	0.908	
20.00	2.316	RB
21.00	2.301	
23.00	0.201	
25.00	-0.300	Fisheries

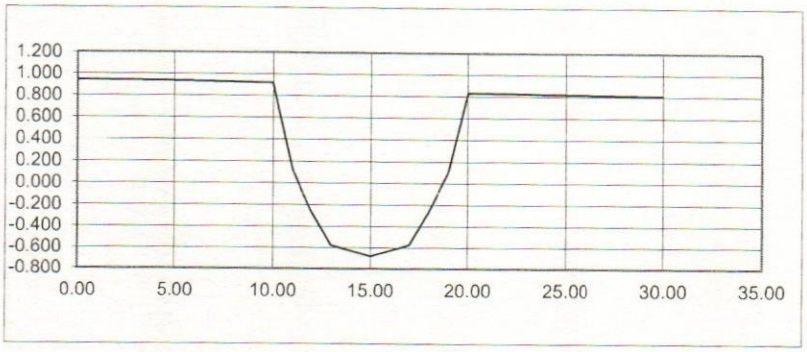
X - Section at km. 0.300

0.00	1.369	Paddy land
5.00	1.357	
10.00	1.351	LB
11.00	0.702	
12.00	0.098	
13.00	-0.280	
15.00	-0.392	CL
17.00	-0.284	
18.00	0.076	
19.00	0.878	
20.00	2.331	RB
21.00	2.326	
24.00	0.701	
26.00	0.599	Fisheries



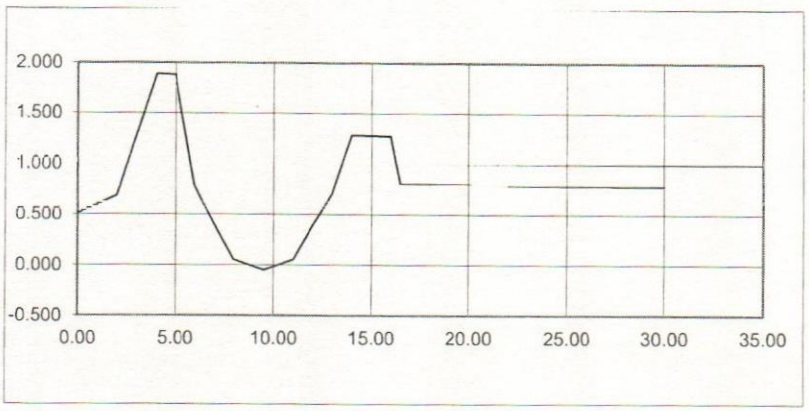
X - Section at km. 0.400

0.00	0.942	Paddy land
5.00	0.934	
10.00	0.921	LB
11.00	0.135	
12.00	-0.266	
13.00	-0.579	
15.00	-0.681	CL
17.00	-0.575	
18.00	-0.261	
19.00	0.107	
20.00	0.833	RB
25.00	0.821	
30.00	0.810	Paddy land



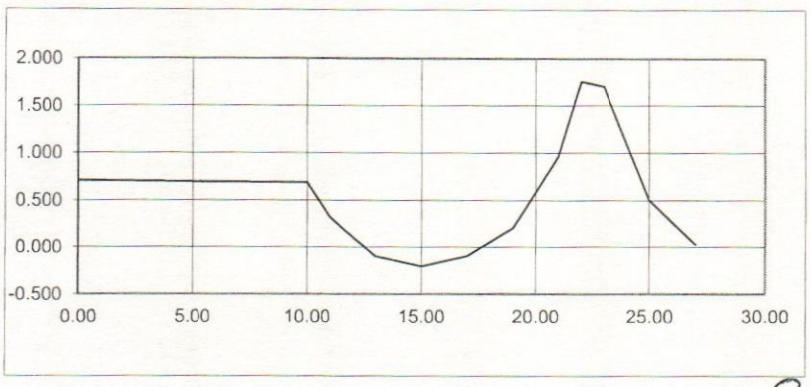
X - Section at km. 0.500

0.00	0.513	Fisheries
2.00	0.689	
4.00	1.889	
5.00	1.880	LB
6.00	0.789	
7.00	0.402	
8.00	0.055	
9.50	-0.047	CL
11.00	0.054	
12.00	0.389	
13.00	0.708	
14.00	1.284	RB
16.00	1.277	
16.50	0.806	
22.00	0.798	
30.00	0.788	Paddy land



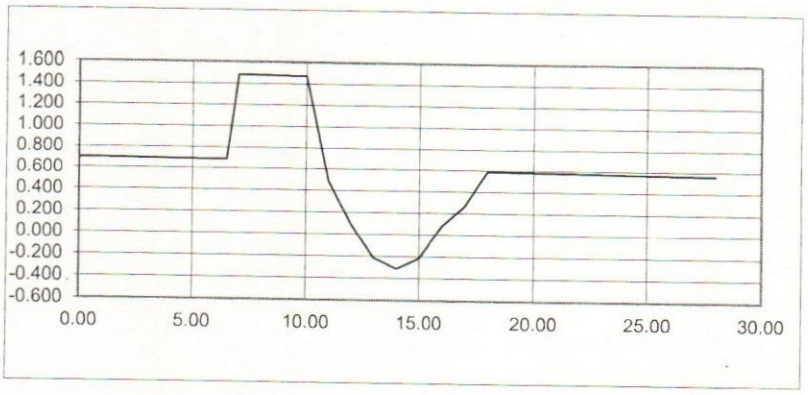
X - Section at km. 0.600

0.00	0.710	Paddy land
5.00	0.697	
10.00	0.691	LB
11.00	0.326	
12.00	0.113	
13.00	-0.099	
15.00	-0.201	CL
17.00	-0.097	
19.00	0.208	
21.00	0.969	
22.00	1.763	RB
23.00	1.712	
25.00	0.508	
27.00	0.028	Fisheries



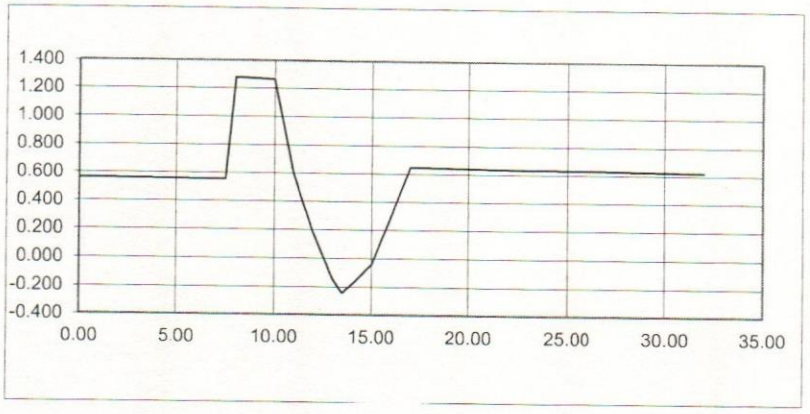
X - Section at km. 0.700

0.00	0.702	Paddy land
6.50	0.687	
7.00	1.483	
10.00	1.470	LB
11.00	0.493	
12.00	0.090	
13.00	-0.210	
14.00	-0.314	CL
15.00	-0.213	
16.00	0.085	
17.00	0.263	
18.00	0.592	RB
23.00	0.577	
28.00	0.564	Paddy land



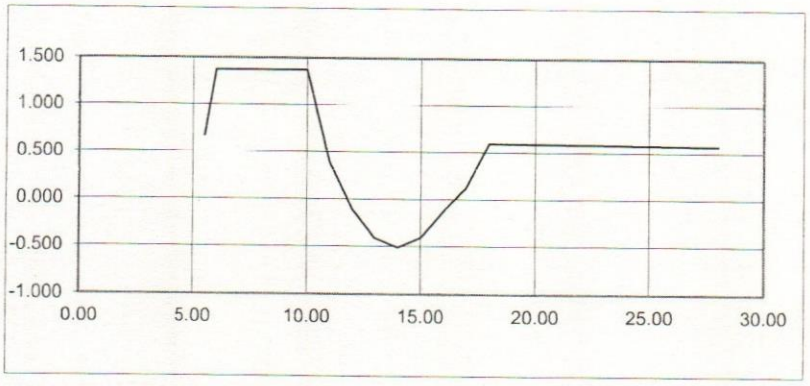
X - Section at km. 0.800

0.00	0.568	Paddy land
7.50	0.556	
8.00	1.277	
10.00	1.265	LB
11.00	0.596	
12.00	0.190	
13.00	-0.140	
13.50	-0.244	CL
14.00	-0.182	
15.00	-0.042	
16.00	0.294	
17.00	0.649	RB
22.00	0.640	
27.00	0.634	
32.00	0.627	Paddy land



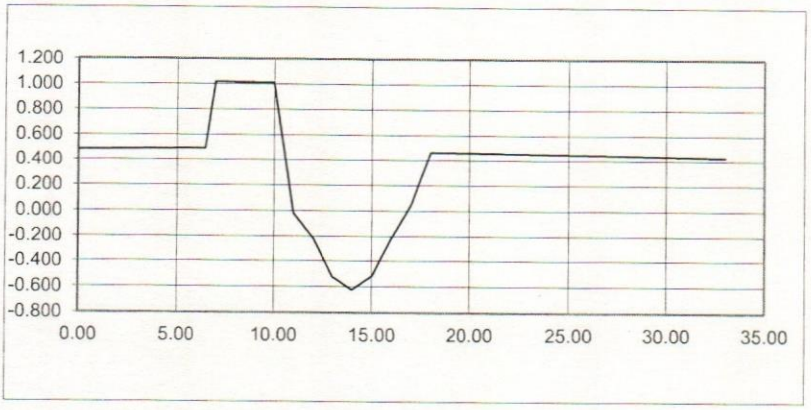
X - Section at km. 0.900

0.00	0.646	Paddy land
5.50	0.659	
6.00	1.380	
10.00	1.375	LB
11.00	0.396	
12.00	-0.103	
13.00	-0.412	
14.00	-0.513	CL
15.00	-0.410	
16.00	-0.124	
17.00	0.126	
18.00	0.597	RB
23.00	0.589	
28.00	0.577	Paddy land



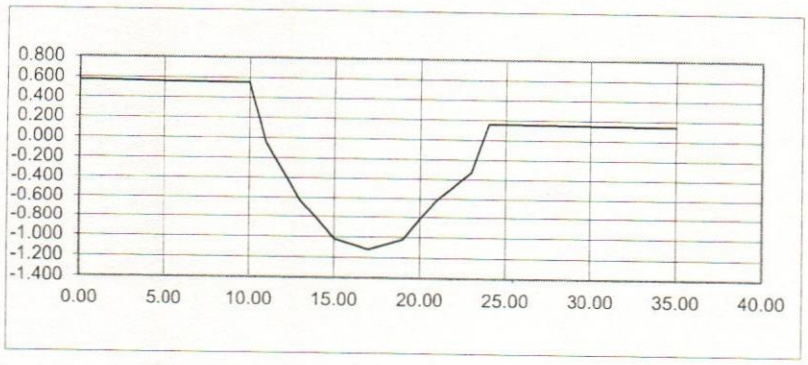
X - Section at km. 1.000

0.00	0.484	Open land
6.50	0.494	
7.00	1.017	
10.00	1.012	LB
11.00	-0.017	
12.00	-0.216	
13.00	-0.522	
14.00	-0.624	CL
15.00	-0.519	
16.00	-0.216	
17.00	0.051	
18.00	0.463	RB
23.00	0.454	
28.00	0.443	
33.00	0.427	Paddy land



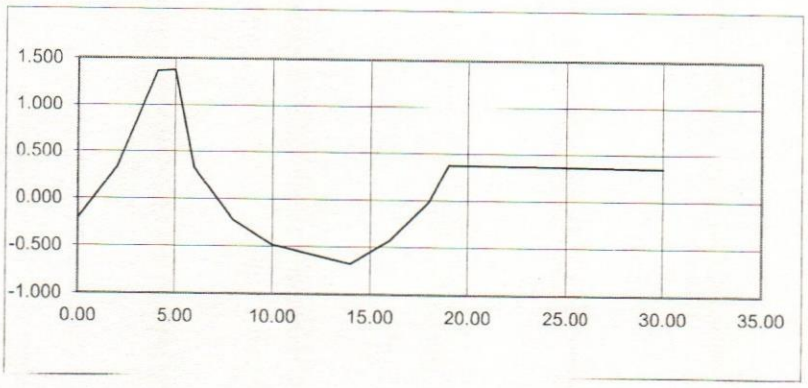
X - Section at km. 1.100

0.00	0.574	Paddy land
5.00	0.562	
10.00	0.551	LB
11.00	-0.036	
13.00	-0.617	
15.00	-1.019	
17.00	-1.123	CL
19.00	-1.022	
21.00	-0.612	
23.00	-0.323	
24.00	0.163	RB
30.00	0.151	
35.00	0.145	Low land



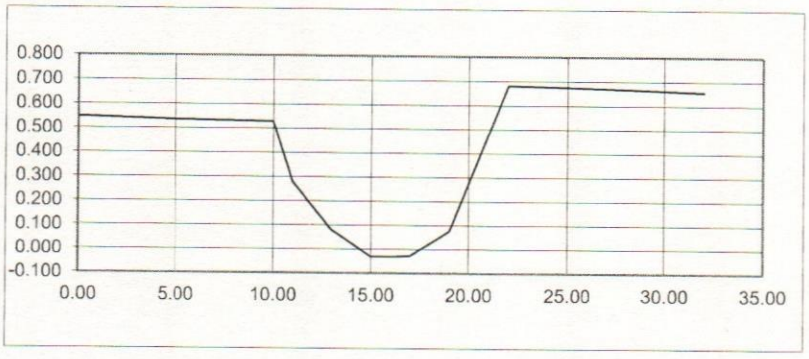
X - Section at km. 1.200

0.00	-0.208	Fisheries
2.00	0.340	
4.00	1.367	
5.00	1.378	LB
6.00	0.333	
8.00	-0.219	
10.00	-0.481	
12.00	-0.581	CL
14.00	-0.679	
16.00	-0.429	
18.00	-0.013	
19.00	0.382	RB
25.00	0.367	
30.00	0.356	Paddy land



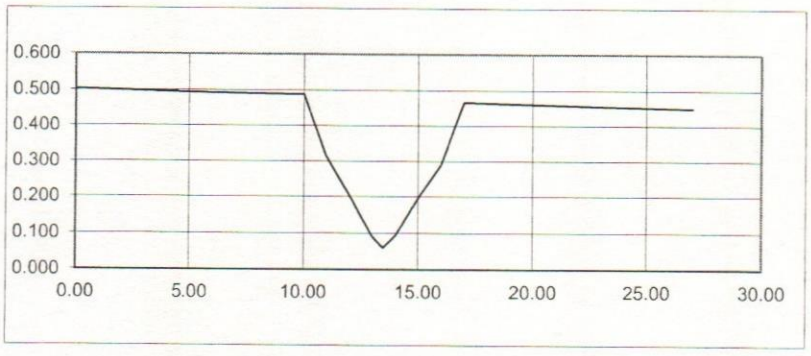
X - Section at km. 1.300

0.00	0.549	Paddy land
5.00	0.537	
10.00	0.531	LB
11.00	0.280	
13.00	0.082	
15.00	-0.030	
16.00	-0.032	CL
17.00	-0.028	
19.00	0.078	
21.00	0.482	
22.00	0.682	RB
27.00	0.672	
32.00	0.658	Paddy land



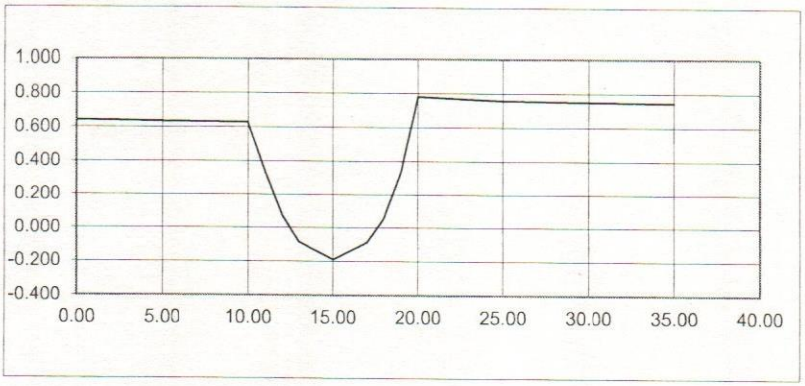
X - Section at km. 1.400

0.00	0.503	Paddy land
5.00	0.494	
10.00	0.489	LB
11.00	0.315	
12.00	0.204	
13.00	0.093	
13.50	0.060	CL
14.00	0.092	
15.00	0.195	
16.00	0.291	
17.00	0.468	RB
22.00	0.459	
27.00	0.451	Paddy land



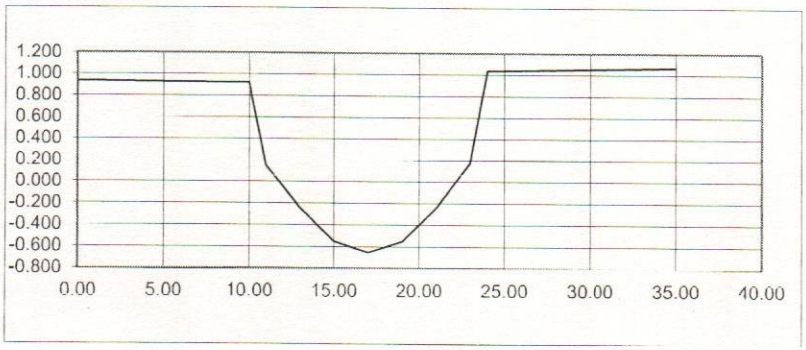
X - Section at km. 1.500

0.00	0.641	Paddy land
5.00	0.634	
10.00	0.629	LB
11.00	0.344	
12.00	0.081	
13.00	-0.087	
15.00	-0.189	CL
17.00	-0.088	
18.00	0.060	
19.00	0.339	
20.00	0.781	RB
25.00	0.760	
30.00	0.751	
35.00	0.745	Paddy land



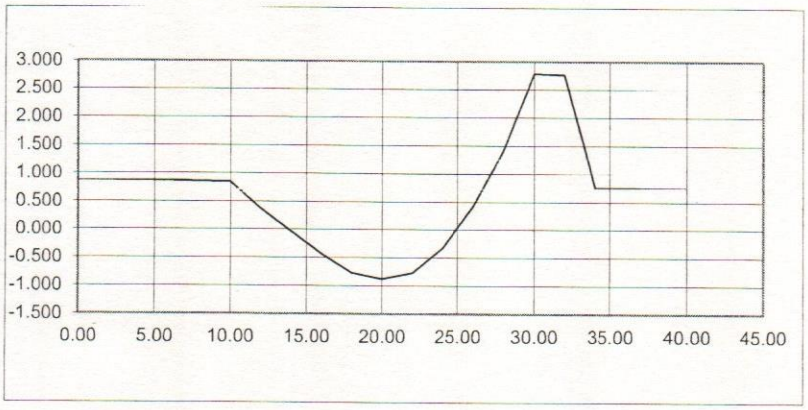
X - Section at km. 1.600

0.00	0.935	Open land
5.00	0.926	
10.00	0.921	LB
11.00	0.153	
13.00	-0.243	
15.00	-0.552	
17.00	-0.654	CL
19.00	-0.553	
21.00	-0.247	
23.00	0.176	
24.00	1.034	RB
30.00	1.052	
35.00	1.067	Open land



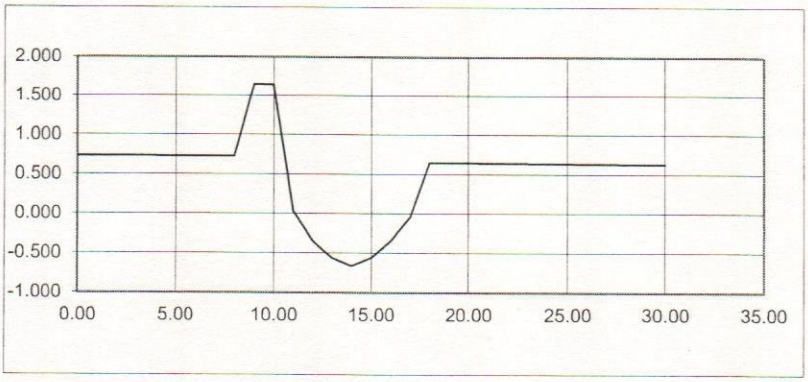
X - Section at km. 1.700

0.00	0.888	Open land
5.00	0.876	
10.00	0.852	LB
12.00	0.377	
14.00	-0.037	
16.00	-0.429	
18.00	-0.775	
20.00	-0.876	CL
22.00	-0.773	
24.00	-0.317	
26.00	0.424	
28.00	1.414	
30.00	2.783	RB
32.00	2.764	
34.00	0.763	
40.00	0.751	Paddy land



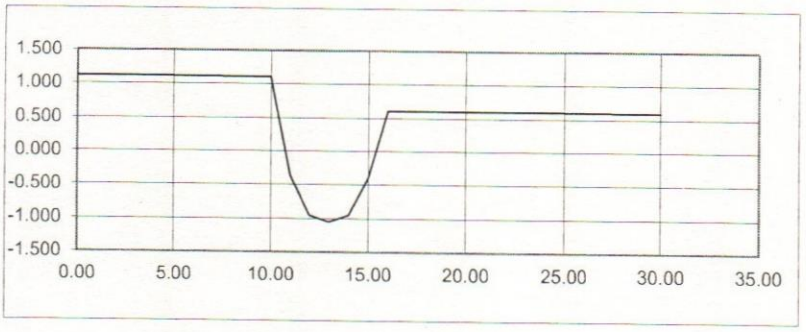
X - Section at km. 1.800

0.00	0.731	Paddy land
8.00	0.726	
9.00	1.652	
10.00	1.645	LB
11.00	0.027	
12.00	-0.352	
13.00	-0.562	
14.00	-0.663	CL
15.00	-0.561	
16.00	-0.350	
17.00	-0.045	
18.00	0.652	RB
23.00	0.640	
30.00	0.626	Paddy land



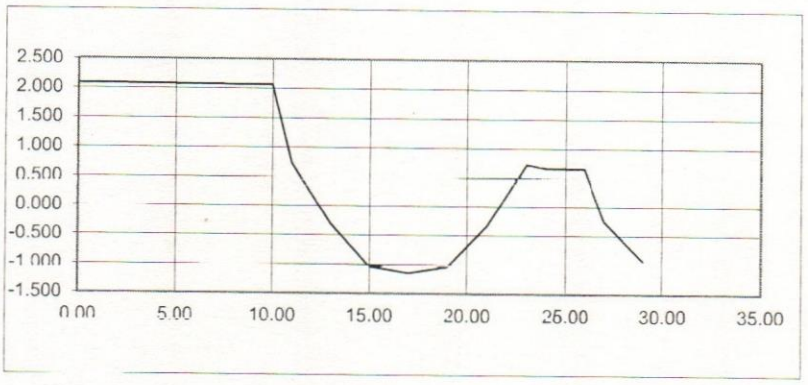
X - Section at km. 1.900

0.00	1.118	Open land
5.00	1.112	
10.00	1.101	LB
11.00	-0.364	
12.00	-0.950	
13.00	-1.052	CL
14.00	-0.949	
15.00	-0.391	
16.00	0.616	RB
20.00	0.611	
25.00	0.606	
30.00	0.597	Paddy land



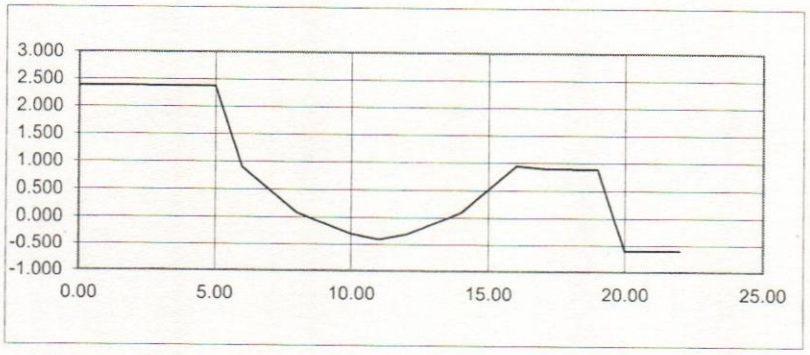
X - Section at km. 2.000

0.00	2.084	Home stead
5.00	2.078	
10.00	2.064	LB
11.00	0.742	
13.00	-0.295	
15.00	-1.046	
17.00	-1.147	CL
19.00	-1.044	
21.00	-0.322	
23.00	0.733	
24.00	0.671	RB
26.00	0.664	
27.00	-0.236	
29.00	-0.929	Pond



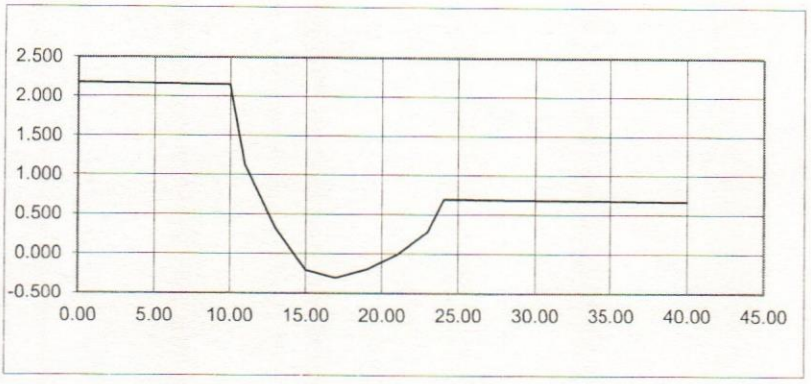
X - Section at km. 2.100

0.00	2.393	House
5.00	2.379	LB
6.00	0.901	
8.00	0.082	
10.00	-0.306	
11.00	-0.409	CL
12.00	-0.308	
14.00	0.094	
16.00	0.950	
17.00	0.901	RB
19.00	0.889	
20.00	-0.602	
22.00	-0.606	Pond



X - Section at km. 2.270

0.00	2.181	Khal bank
5.00	2.168	
10.00	2.157	LB
11.00	1.132	
13.00	0.323	
15.00	-0.208	
17.00	-0.303	CL
19.00	-0.201	
21.00	-0.009	
23.00	0.282	
24.00	0.693	RB
30.00	0.682	
35.00	0.677	
40.00	0.668	Paddy land



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
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30/10/24
(Mohammad Zahir Mazhar)
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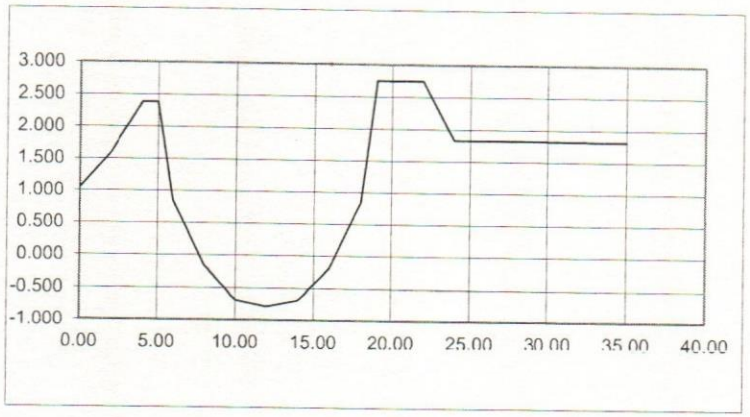
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Out fall khal **(Kachida khal)** Re-excavation of Gabir Beel khal from km. 0.000 to km. 2.270 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

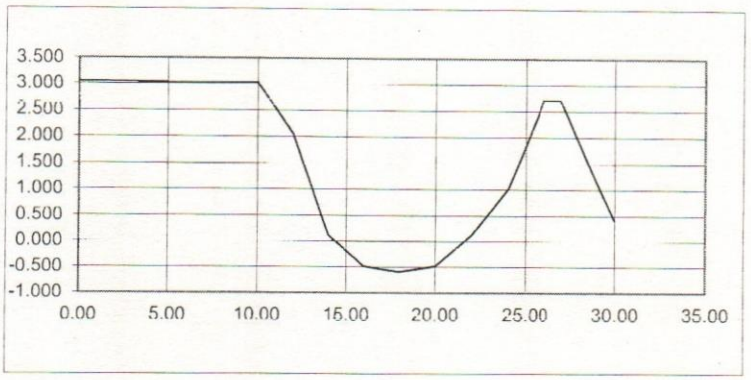
Cross section of Kachida khal 100m DS from meeting point of Gabir Beel khal

0.00	1.056	Fisheri
2.00	1.603	
4.00	2.386	
5.00	2.381	LB
6.00	0.852	
8.00	-0.155	
10.00	-0.674	
12.00	-0.780	CL
14.00	-0.676	
16.00	-0.180	
18.00	0.846	
19.00	2.751	RB
22.00	2.745	
24.00	1.831	
30.00	1.825	
35.00	1.815	Paddy land



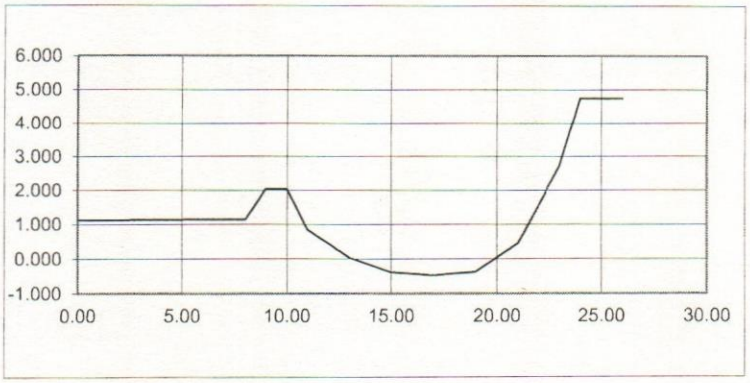
Cross section of Kachida khal 50 DS from meeting point of Gabir Beel khal

0.00	3.051	Garden
5.00	3.036	
10.00	3.031	LB
12.00	2.057	
14.00	0.120	
16.00	-0.487	
18.00	-0.588	CL
20.00	-0.486	
22.00	0.114	
24.00	1.032	
26.00	2.702	RB
27.00	2.696	
29.00	1.145	
30.00	0.421	Fisheri



Cross section of Kundur khal 50 US from meeting point of Gabir Beel khal

0.00	1.122	Paddy land
5.00	1.141	
8.00	1.154	
9.00	2.056	
10.00	2.041	LB
11.00	0.850	
13.00	0.043	
15.00	-0.367	
17.00	-0.468	CL
19.00	-0.364	
21.00	0.457	
23.00	2.720	
24.00	4.746	RB
26.00	4.738	House



Bainbunia Khal

30/10/24
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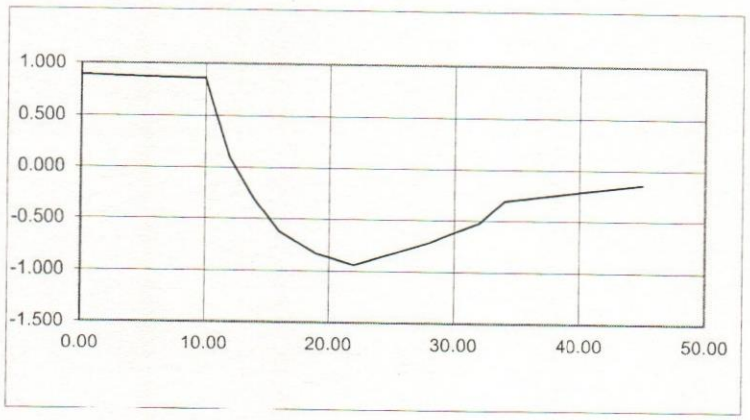
Specialized Division
BWDB, Gopalgonj

Cross Section of Offtake khal **(Andarkota-Telighati khal)** Re-excavation of Gabir Beel khal from km. 0.000 to km. 2.270 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

Cross section of Andarkota-Telighati khal along the Gabir Beel khal

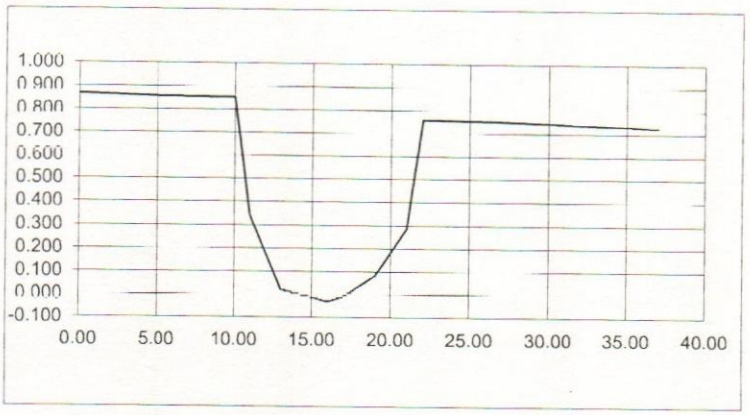
Pre-work

0.00	0.890	Paddy land
5.00	0.869	
10.00	0.857	LB
12.00	0.088	
14.00	-0.308	
16.00	-0.613	
19.00	-0.832	
22.00	-0.934	CL
25.00	-0.831	
28.00	-0.718	
30.00	-0.612	
32.00	-0.521	
34.00	-0.303	RB
40.00	-0.210	
45.00	-0.143	Khal bed



Cross section of Andarkota-Telighati khal 50 US from meeting point of Gabir Beel khal

0.00	0.868	Open land
5.00	0.857	
10.00	0.852	LB
11.00	0.343	
13.00	0.022	
15.00	-0.012	
16.00	-0.031	CL
17.00	-0.010	
19.00	0.082	
21.00	0.288	
22.00	0.761	RB
27.00	0.755	
32.00	0.741	
37.00	0.729	Paddy land

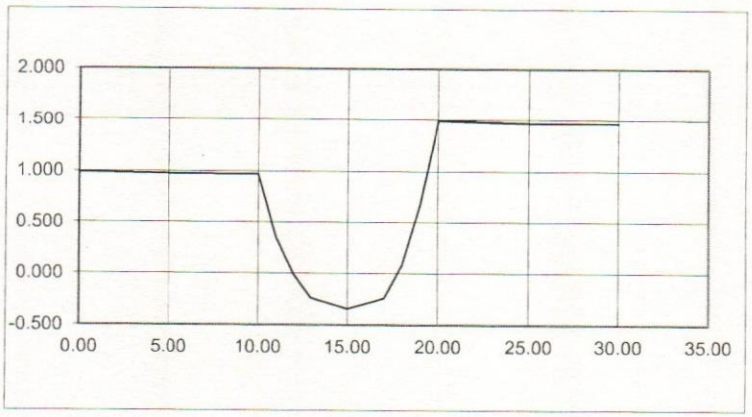


Cross section of Andarkota-Telighati khal 50 DS from meeting point of Gabir Beel khal

18.00

Pre-work

0.00	0.989	Paddy land
5.00	0.972	
10.00	0.967	LB
11.00	0.357	
12.00	-0.010	
13.00	-0.239	
15.00	-0.342	CL
17.00	-0.241	
18.00	0.083	
19.00	0.686	
20.00	1.491	RB
25.00	1.469	
30.00	1.467	Hugla



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

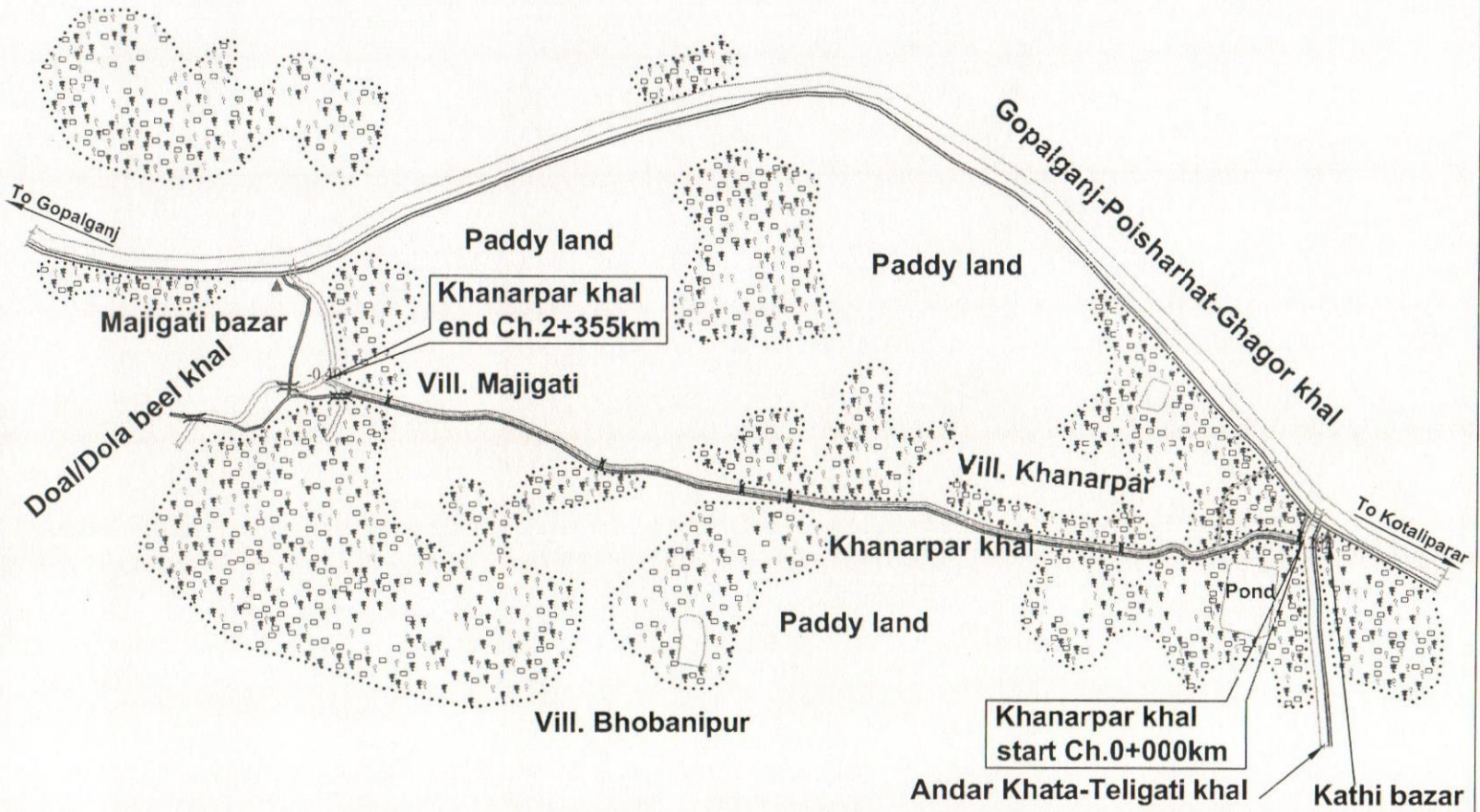
Data Checklist for the Re-excavation of Khanar-par khal

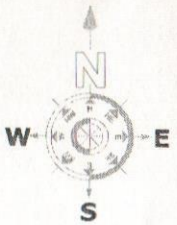
1.	Name of the proposed Khal	:	Khanar-par khal
2.	Catchments Area	:	260.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.71 m (PWD)
4.	Avg. Ground level of the area	:	1.345 m (PWD)
5.	Length of the Khal	:	2.330km
6.	Bed level of the outfall Khal/River	:	(-) 1.203 (PWD) (Andarkota Teligati khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	3.00m.
10.	The proposed bed level of the Khal	:	(-) 1.00 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	27.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road
- Existing Earthen Road
- Existing HBB Road
- Existing Embankment
- Existing River
- Existing Khal
- Re-excavation of Khal
- Railway Line
- Existing Pond, Ditch
- Existing Bridge/Culvert
- Existing Reg/Sluice
- Structure-Permanent
- Structure-Semipermanent
- Structure-Tin-shed,Hut
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard,
- Hat/Bazar
- School/ College
- Union Parishad
- Home steads/High Land

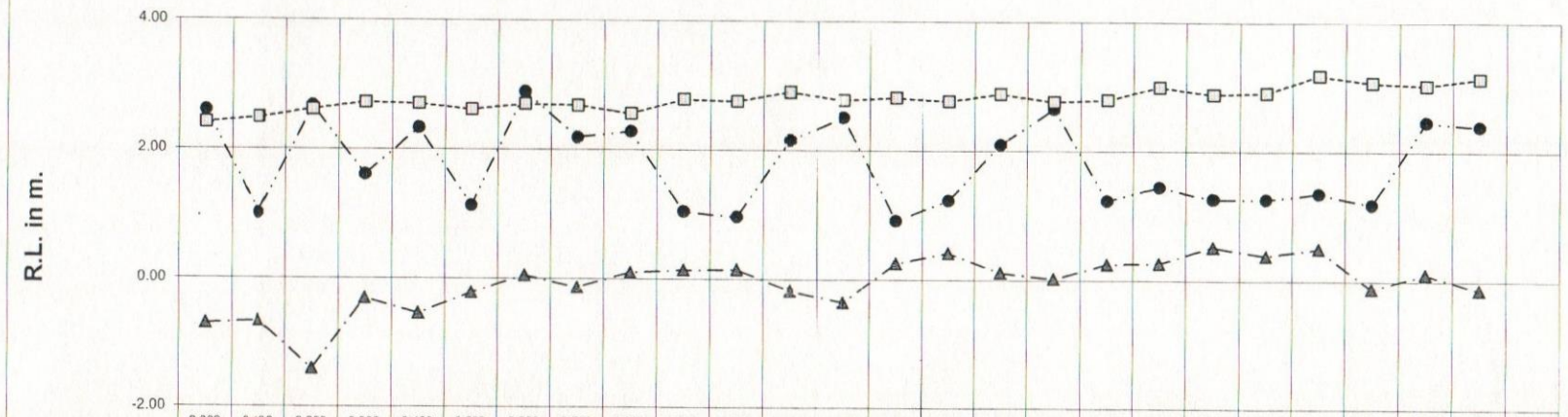
Bangladesh Water Development Board

Sketch Map for Re-excavation of Khanar-par khal from km. 0.000 to km. 2.330 in polder -2 - in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Khanarpar khal																								
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.330
C/L R.L.	-0.71	-0.67	-1.41	-0.31	-0.55	-0.23	0.05	-0.14	0.09	0.14	0.14	-0.18	-0.361	0.25	0.42	0.115	0.02	0.249	0.266	0.52	0.387	0.501	-0.124	0.111	-0.137
L/BR.L.	2.59	1.00	2.66	1.60	2.33	1.12	2.88	2.18	2.28	1.04	0.96	2.16	2.507	0.908	1.22	2.093	2.649	1.227	1.441	1.258	1.256	1.348	1.181	2.463	2.395
R/B R.L.	2.40	2.48	2.61	2.72	2.70	2.61	2.70	2.68	2.55	2.78	2.75	2.90	2.773	2.816	2.77	2.878	2.76[illegible]	2.793	2.989	2.878	2.908	3.178	3.071	3.027	3.135

Long Section for re-excavation of Khanarpar khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.330
Series2	-0.71	-0.67	-1.41	-0.31	-0.55	-0.23	0.05	-0.14	0.09	0.14	0.14	-0.18	-0.361	0.25	0.416	0.115	0.02	0.249	0.266	0.52	0.387	0.501	-0.124	0.111	-0.137
Series1	2.59	1.00	2.66	1.60	2.33	1.12	2.88	2.18	2.28	1.04	0.96	2.16	2.507	0.908	1.224	2.093	2.649	1.227	1.441	1.258	1.256	1.348	1.181	2.463	2.395
Series3	2.40	2.48	2.61	2.72	2.70	2.61	2.70	2.68	2.55	2.78	2.75	2.90	2.773	2.816	2.766	2.878	2.761	2.793	2.989	2.878	2.908	3.178	3.071	3.027	3.135

Distance in m.

BANGLADESH WATER DEVELOPMENT BOARD

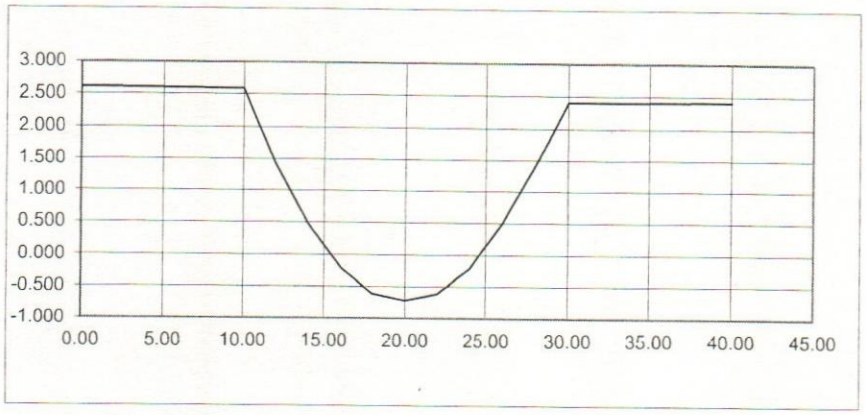
Long Section for Re-excavation of Khanar-par khal from km. 0.000 to km. 2.330 in polder -2 - in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Khanar-par khal from km. 0.000 to km. 2.330 in polder -2 - in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

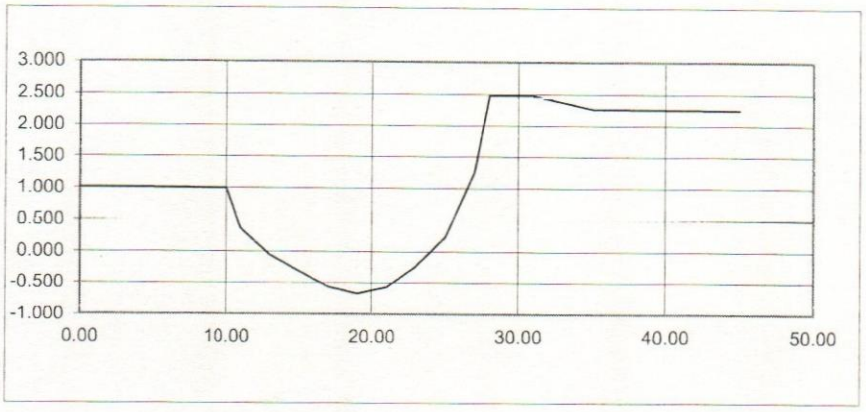
X - Section at km. 0.000

0.00	2.608	Khal bank
5.00	2.597	
10.00	2.589	LB
12.00	1.428	
14.00	0.497	
16.00	-0.178	
18.00	-0.610	
20.00	-0.709	CL
22.00	-0.608	
24.00	-0.194	
26.00	0.498	
28.00	1.410	
30.00	2.402	RB
35.00	2.409	
40.00	2.421	Home stead



X - Section at km. 0.100

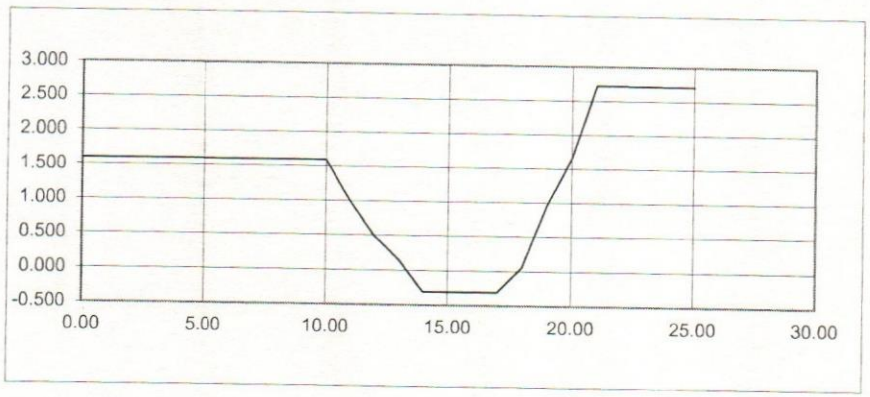
0.00	1.015	House Area
5.00	1.009	
10.00	0.998	LB
11.00	0.368	
13.00	-0.046	
15.00	-0.311	
17.00	-0.566	
19.00	-0.668	CL
21.00	-0.567	
23.00	-0.232	
25.00	0.243	
27.00	1.275	
28.00	2.478	RB
31.00	2.473	BC road
35.00	2.268	
40.00	2.259	
45.00	2.244	Home stead



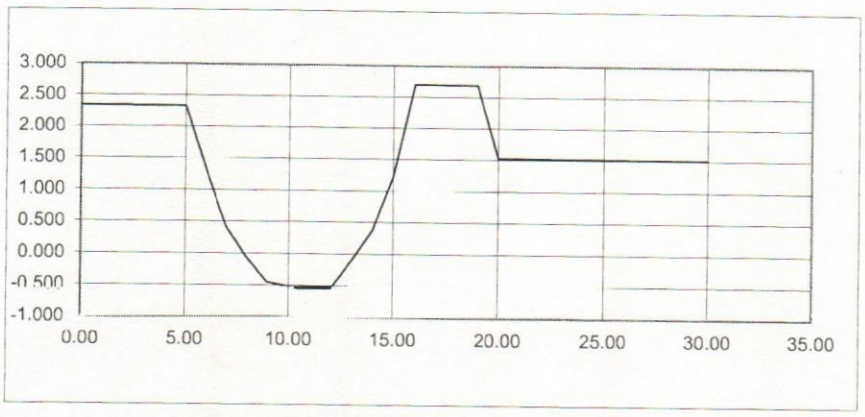
X - Section at km. 0.200

0.00	2.668	B.wall
1.00	2.661	LB
2.00	1.156	
4.00	-0.528	
6.00	-1.312	
7.50	-1.414	CL
9.00	-1.309	
11.00	-0.514	
13.00	1.205	
14.00	2.606	RB
17.00	2.611	BC road
17.50	2.101	
25.00	2.088	
30.00	2.084	Garden

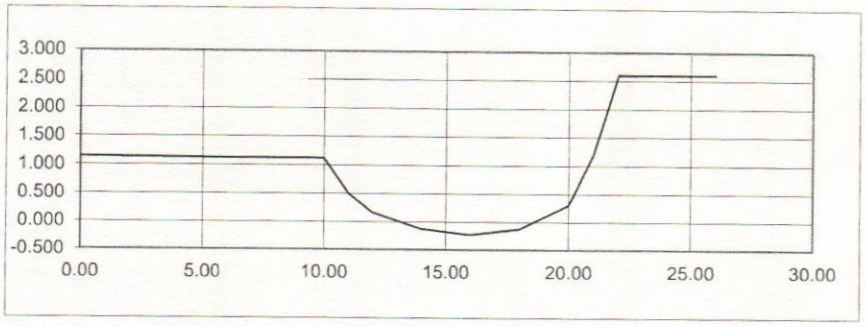
X - Section at km.		0.300
0.00	1.608	Garden
5.00	1.601	
10.00	1.596	LB
11.00	1.005	
12.00	0.492	
13.00	0.151	
14.00	-0.308	
15.50	-0.312	CL
17.00	-0.310	
18.00	0.051	
19.00	0.959	
20.00	1.656	
21.00	2.719	RB
25.00	2.707	Tin Boundary



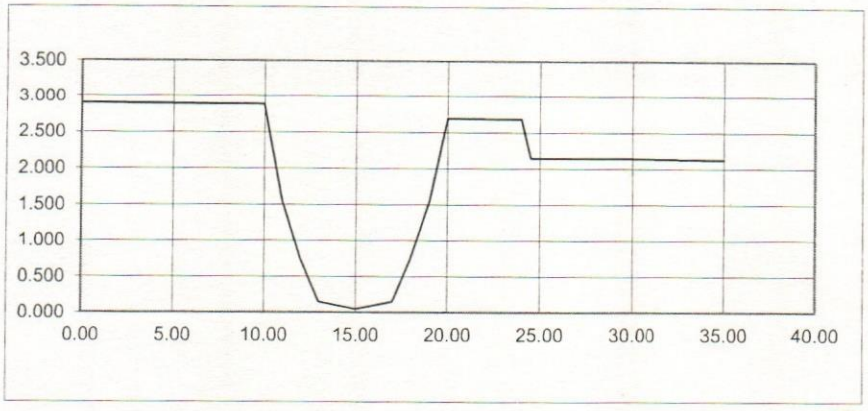
X - Section at km.		0.400
0.00	2.337	House
5.00	2.328	LB
6.00	1.318	
7.00	0.432	
8.00	-0.064	
9.00	-0.447	
10.50	-0.548	CL
12.00	-0.542	
13.00	-0.105	
14.00	0.374	
15.00	1.234	
16.00	2.701	RB
19.00	2.692	BC road
20.00	1.532	
25.00	1.523	
30.00	1.518	Play ground



X - Section at km.		0.500
0.00	1.146	Oppen land
5.00	1.130	
10.00	1.123	LB
11.00	0.498	
12.00	0.167	
14.00	-0.125	
16.00	-0.226	CL
18.00	-0.124	
20.00	0.299	
21.00	1.204	
22.00	2.610	RB
26.00	2.598	B.wall

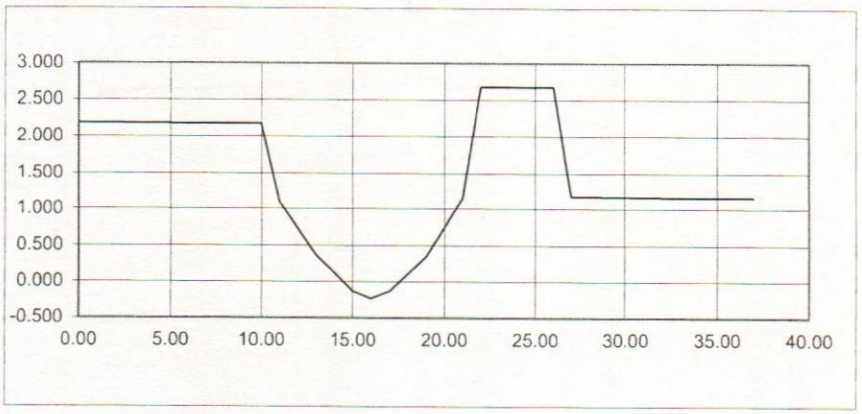


X - Section at km.		0.600
0.00	2.900	Home stead
5.00	2.889	
10.00	2.884	LB
11.00	1.554	
12.00	0.750	
13.00	0.150	
15.00	0.049	CL
17.00	0.151	
18.00	0.767	
19.00	1.558	
20.00	2.696	RB
24.00	2.685	BC road
24.50	2.149	
30.00	2.144	
35.00	2.126	Home stead



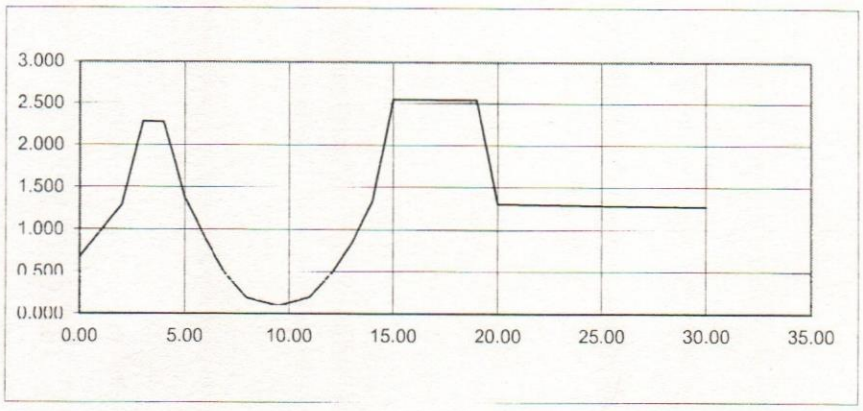
X - Section at km. 0.700

0.00	2.193	House road
5.00	2.187	
10.00	2.182	LB
11.00	1.094	
13.00	0.365	
15.00	-0.132	
16.00	-0.234	CL
17.00	-0.136	
19.00	0.347	
21.00	1.152	
22.00	2.677	RB
26.00	2.672	BC road
27.00	1.186	
32.00	1.174	
37.00	1.164	Paddy land



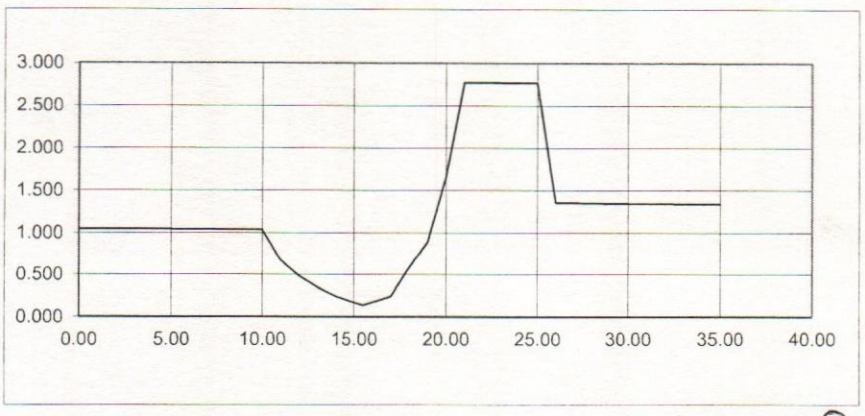
X - Section at km. 0.800

0.00	0.680	Pond
2.00	1.286	
3.00	2.282	
4.00	2.275	LB
5.00	1.374	
6.00	0.886	
7.00	0.466	
8.00	0.189	
9.50	0.094	CL
11.00	0.195	
12.00	0.479	
13.00	0.834	
14.00	1.343	
15.00	2.552	RB
19.00	2.545	BC road
20.00	1.304	
25.00	1.286	
30.00	1.274	Paddy land



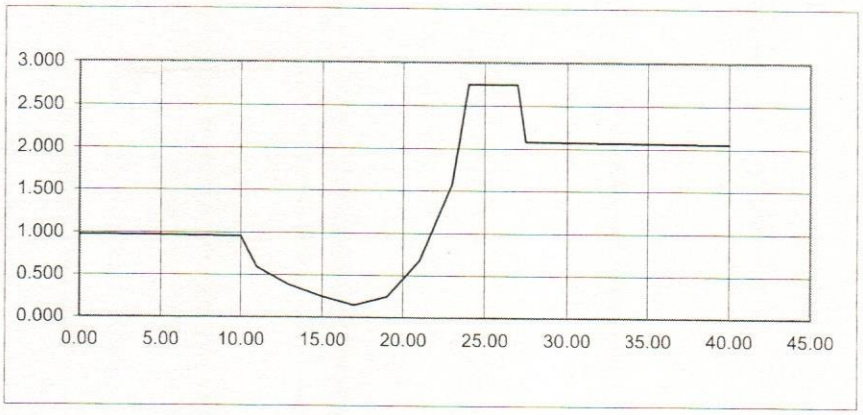
X - Section at km. 0.900

0.00	1.050	Paddy land
5.00	1.045	
10.00	1.040	LB
11.00	0.666	
12.00	0.486	
13.00	0.350	
14.00	0.235	
15.50	0.135	CL
17.00	0.236	
18.00	0.576	
19.00	0.886	
20.00	1.661	
21.00	2.775	RB
25.00	2.769	BC road
26.00	1.361	
30.00	1.352	
35.00	1.345	Paddy land



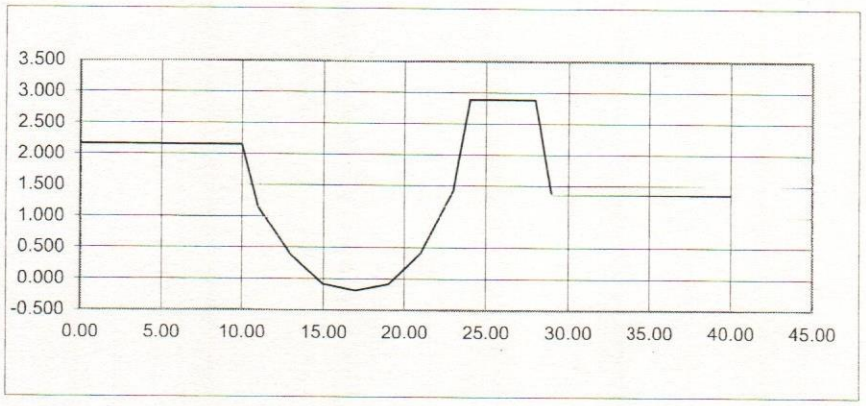
X - Section at km. 1.000

0.00	0.977	Open land
5.00	0.970	
10.00	0.959	LB
11.00	0.589	
13.00	0.383	
15.00	0.244	
17.00	0.143	CL
19.00	0.245	
21.00	0.674	
23.00	1.582	
24.00	2.751	RB
27.00	2.743	BC road
27.50	2.086	
34.00	2.074	
40.00	2.066	Home stead



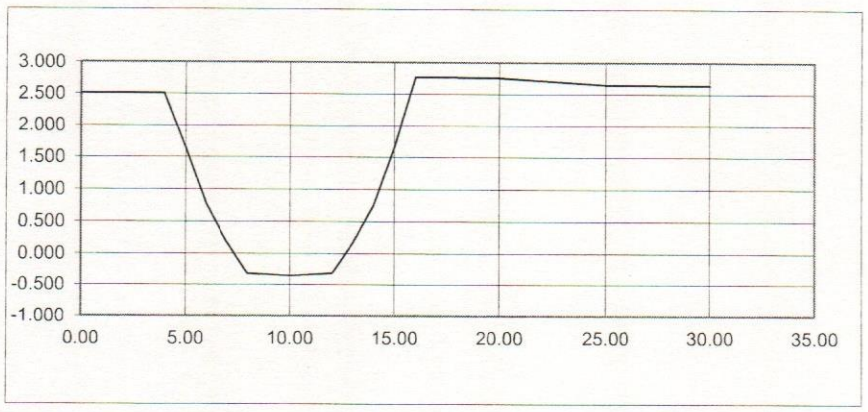
X - Section at km. 1.100

0.00	2.168	House road
5.00	2.163	
10.00	2.155	LB
11.00	1.149	
13.00	0.396	
15.00	-0.079	
17.00	-0.183	CL
19.00	-0.081	
21.00	0.418	
23.00	1.423	
24.00	2.898	RB
28.00	2.893	BC road
29.00	1.368	
35.00	1.363	
40.00	1.355	Paddy land



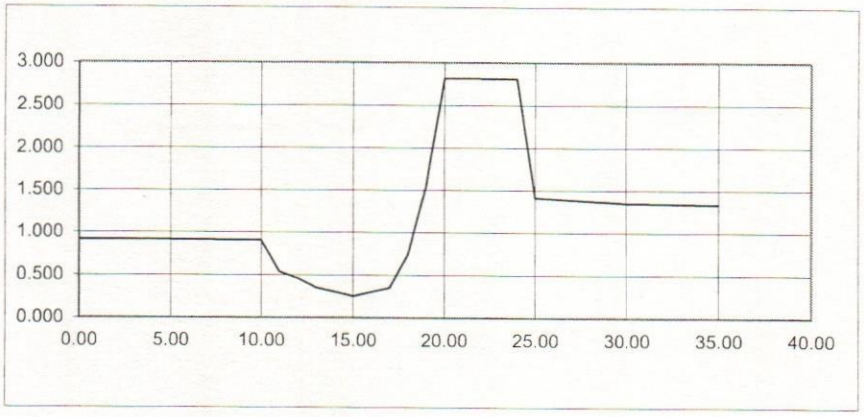
X - Section at km. 1.200

0.00	2.512	Mosque
4.00	2.507	LB
5.00	1.648	
6.00	0.768	
7.00	0.179	
8.00	-0.322	
10.00	-0.361	CL
12.00	-0.318	
13.00	0.173	
14.00	0.761	
15.00	1.666	
16.00	2.773	RB
20.00	2.763	BC road
25.00	2.648	
30.00	2.639	High land



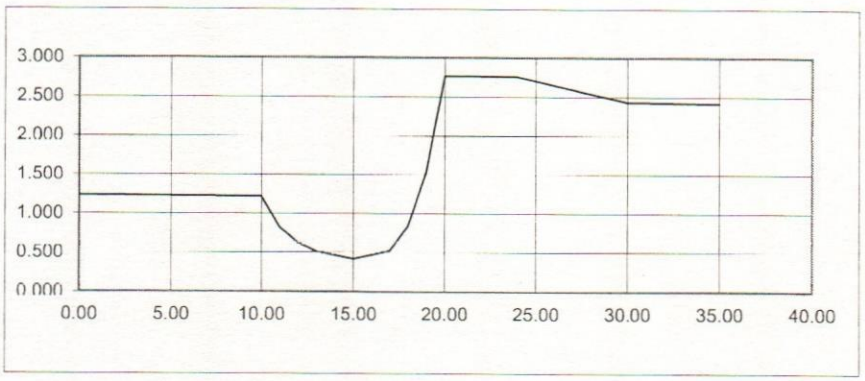
X - Section at km. 1.300

0.00	0.919	Open land
5.00	0.914	
10.00	0.908	LB
11.00	0.539	
12.00	0.458	
13.00	0.351	
15.00	0.250	CL
17.00	0.353	
18.00	0.738	
19.00	1.545	
20.00	2.816	RB
24.00	2.809	BC road
25.00	1.418	
30.00	1.354	
35.00	1.338	



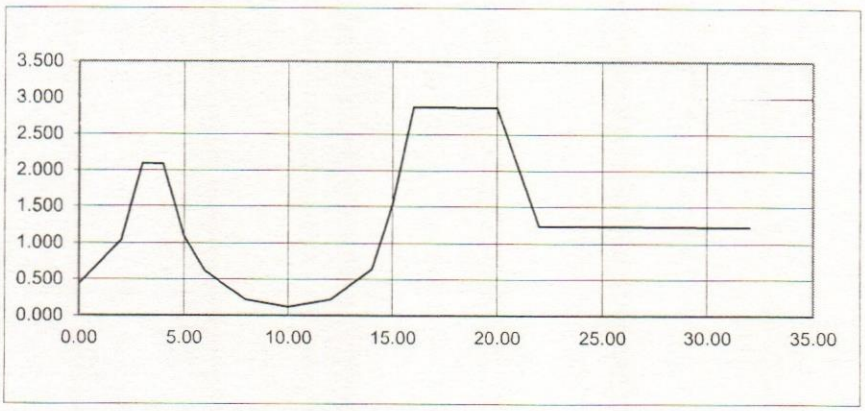
X - Section at km. 1.400

0.00	1.238	Paddy land
5.00	1.229	
10.00	1.224	LB
11.00	0.820	
12.00	0.625	
13.00	0.515	
15.00	0.416	CL
17.00	0.520	
18.00	0.835	
19.00	1.543	
20.00	2.766	RB
24.00	2.759	BC road
30.00	2.439	
35.00	2.426	House Area



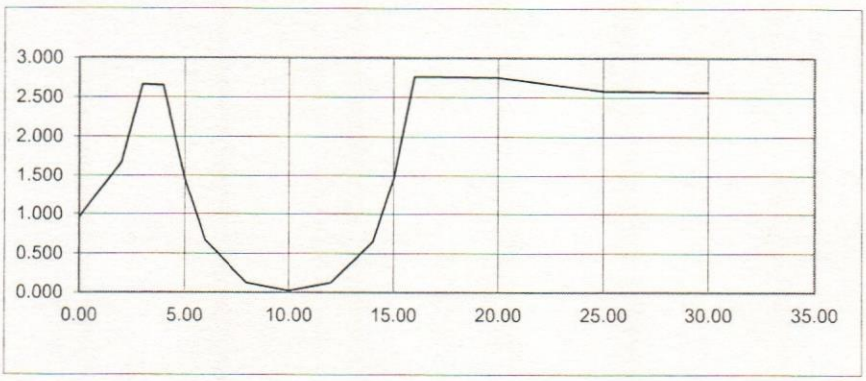
X - Section at km. 1.500

0.00	0.437	Pond
2.00	1.038	
3.00	2.098	
4.00	2.093	LB
5.00	1.088	
6.00	0.614	
8.00	0.218	
10.00	0.115	CL
12.00	0.217	
14.00	0.638	
15.00	1.543	
16.00	2.878	RB
20.00	2.873	BC road
22.00	1.238	
27.00	1.233	
32.00	1.225	Paddy land



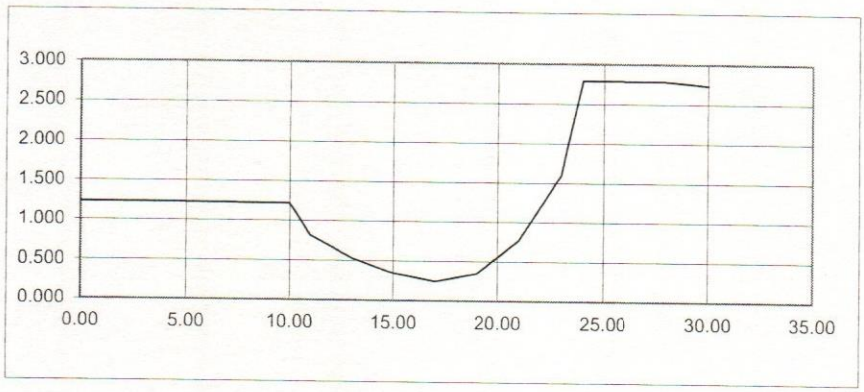
X - Section at km. 1.600

0.00	0.963	Pond
2.00	1.675	
3.00	2.660	
4.00	2.649	LB
5.00	1.459	
6.00	0.668	
8.00	0.123	
10.00	0.020	CL
12.00	0.122	
14.00	0.650	
15.00	1.462	
16.00	2.761	RB
20.00	2.750	BC road
25.00	2.581	
30.00	2.565	House Area



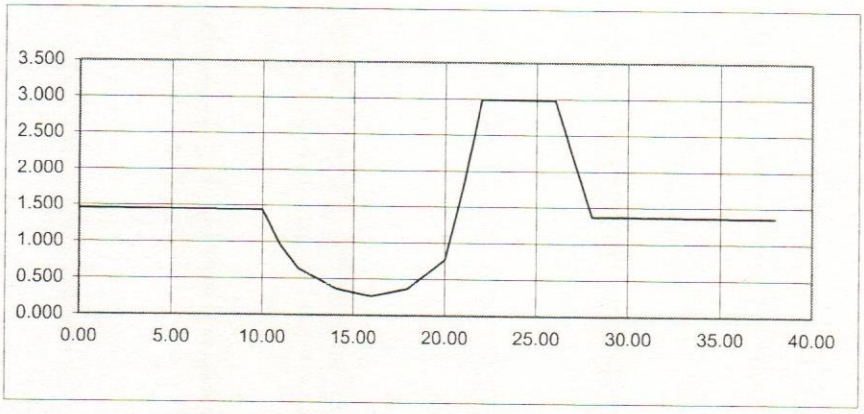
X - Section at km. 1.700

0.00	1.239	Paddy land
5.00	1.233	
10.00	1.227	LB
11.00	0.822	
13.00	0.538	
15.00	0.351	
17.00	0.249	CL
19.00	0.350	
21.00	0.776	
23.00	1.608	
24.00	2.793	RB
28.00	2.788	BC road
30.00	2.737	House



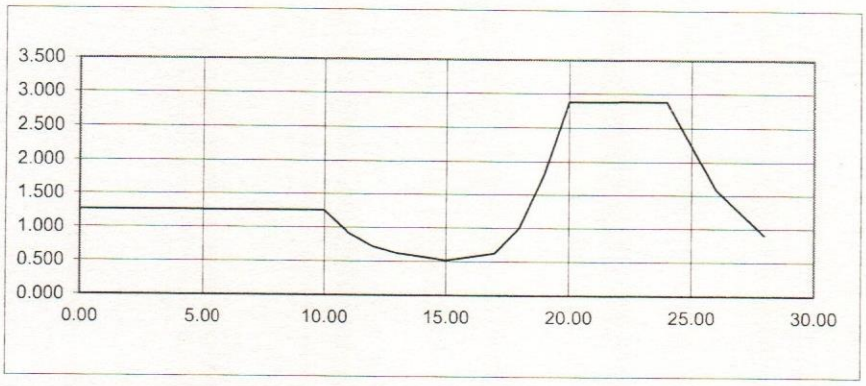
X - Section at km. 1.800

0.00	1.461	Paddy land
5.00	1.453	
10.00	1.441	LB
11.00	0.962	
12.00	0.639	
14.00	0.367	
16.00	0.266	CL
18.00	0.369	
20.00	0.772	
21.00	1.770	
22.00	2.989	RB
26.00	2.982	BC road
28.00	1.372	
33.00	1.367	
38.00	1.356	Paddy land



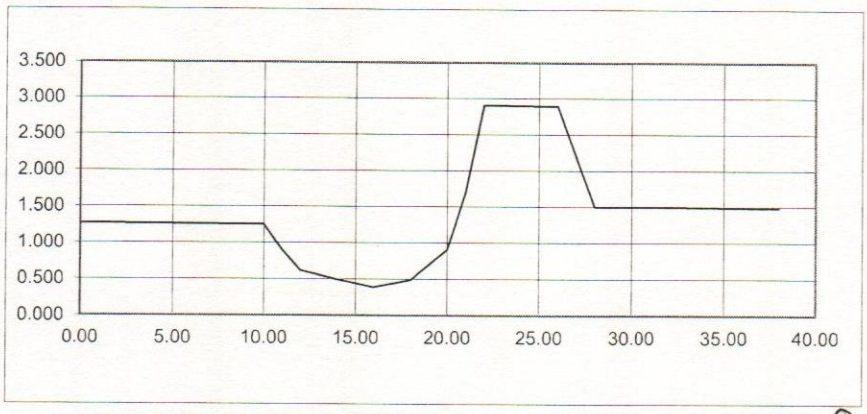
X - Section at km. 1.900

0.00	1.272	Paddy land
5.00	1.263	
10.00	1.258	LB
11.00	0.914	
12.00	0.722	
13.00	0.624	
15.00	0.520	CL
17.00	0.622	
18.00	1.003	
19.00	1.809	
20.00	2.878	RB
24.00	2.884	BC road
26.00	1.589	
28.00	0.908	Pond



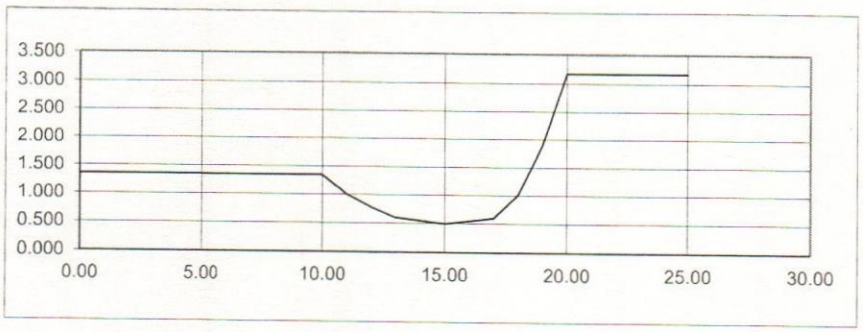
X - Section at km. 2.000

0.00	1.270	Paddy land
5.00	1.265	
10.00	1.256	LB
11.00	0.898	
12.00	0.612	
14.00	0.490	
16.00	0.387	CL
18.00	0.488	
20.00	0.905	
21.00	1.702	
22.00	2.908	RB
26.00	2.897	BC road
28.00	1.505	
33.00	1.499	
38.00	1.485	Paddy land



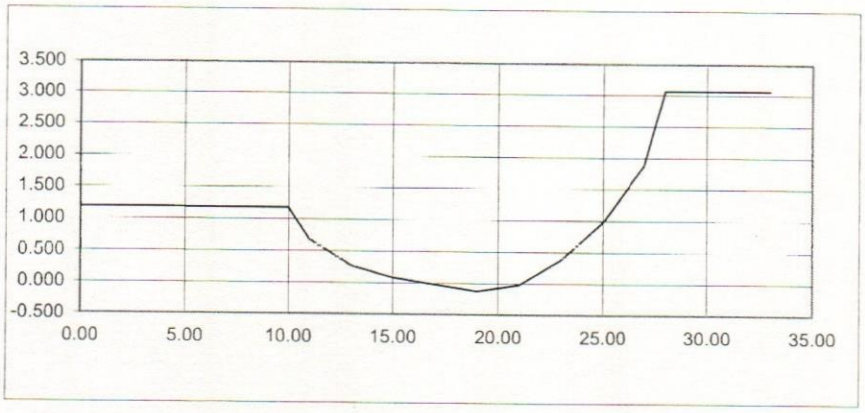
X - Section at km. 2.100

0.00	1.361	Paddy land
5.00	1.356	
10.00	1.348	LB
11.00	1.012	
12.00	0.788	
13.00	0.604	
15.00	0.501	CL
17.00	0.602	
18.00	1.008	
19.00	1.906	
20.00	3.178	RB
25.00	3.171	Tin Boundary



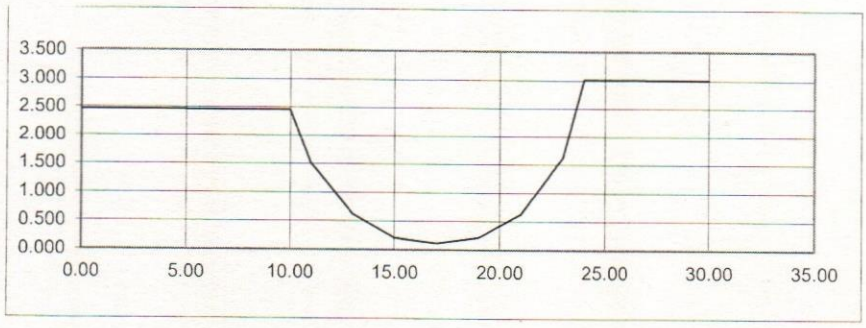
X - Section at km. 2.200

0.00	1.191	Paddy land
5.00	1.186	
10.00	1.181	LB
11.00	0.687	
13.00	0.271	
15.00	0.084	
17.00	-0.022	
19.00	-0.124	CL
21.00	-0.021	
23.00	0.382	
25.00	0.981	
27.00	1.886	
28.00	3.071	RB
33.00	3.066	House



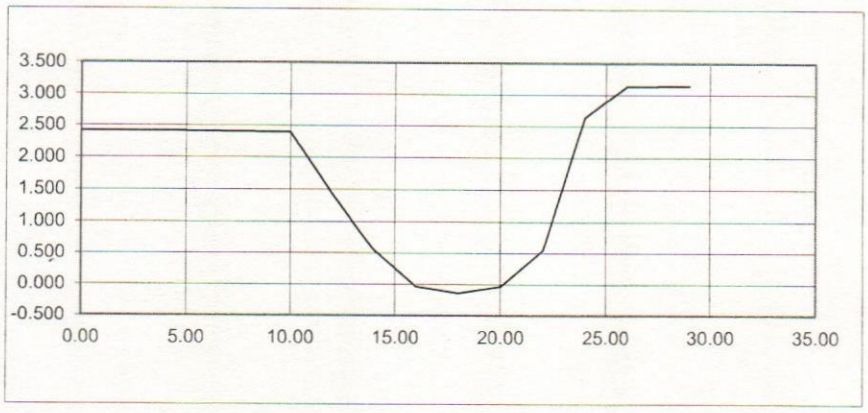
X - Section at km. 2.300

0.00	2.475	House Area
5.00	2.470	
10.00	2.463	LB
11.00	1.521	
13.00	0.626	
15.00	0.210	
17.00	0.111	CL
19.00	0.213	
21.00	0.630	
23.00	1.626	
24.00	3.027	RB
30.00	3.013	House



X - Section at km. 2.330

0.00	2.412	Khal bank
5.00	2.407	
10.00	2.395	LB
12.00	1.433	
14.00	0.557	
16.00	-0.035	
18.00	-0.137	CL
20.00	-0.036	
22.00	0.547	
24.00	2.636	
26.00	3.135	RB
29.00	3.146	Culvert wall



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

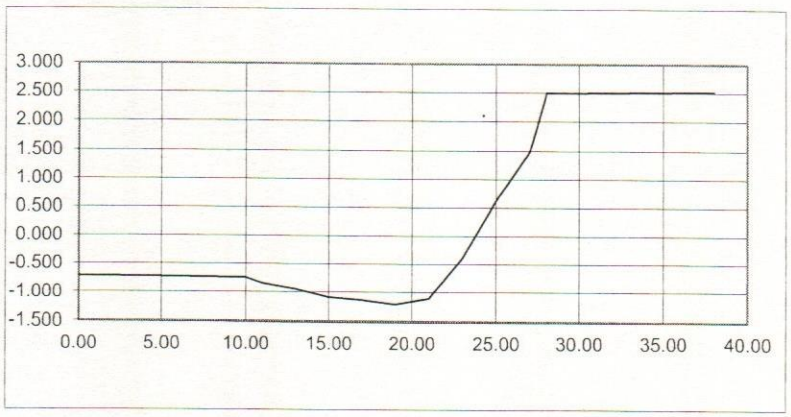
30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section for Out fall khal **(Andarkota Teligati khal)** Re-excavation of Khanar-par khal from km. 0.000 to km. 2.330 in polder -2 - in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

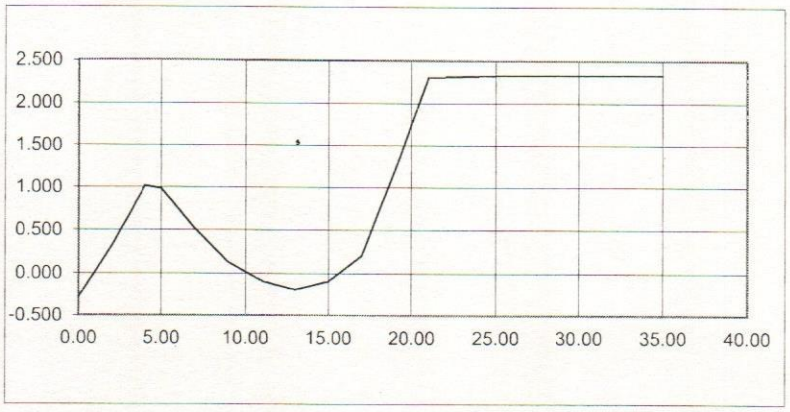
Cross section of Andarkota-Teligati khal along the Khanarpar khal

0.00	-0.709	Khal bed
5.00	-0.722	
10.00	-0.741	LB
11.00	-0.838	
13.00	-0.939	
15.00	-1.078	
17.00	-1.129	
19.00	-1.203	CL
21.00	-1.101	
23.00	-0.379	
25.00	0.623	
27.00	1.487	
28.00	2.496	RB
33.00	2.509	
38.00	2.522	Open land



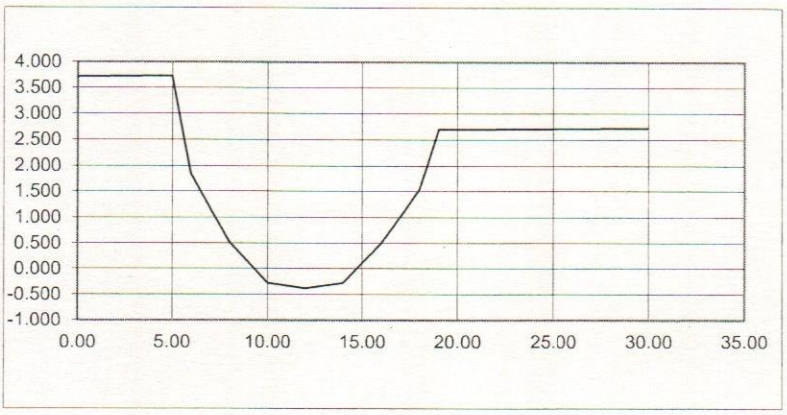
Cross section of Andarkota-Teligati khal 50 US from meeting point of Khanarpar khal

0.00	-0.279	Pond
2.00	0.330	
4.00	1.019	
5.00	0.990	LB
7.00	0.522	
9.00	0.128	
11.00	-0.091	
13.00	-0.194	CL
15.00	-0.093	
17.00	0.206	
19.00	1.221	
21.00	2.306	RB
25.00	2.318	
30.00	2.327	
35.00	2.332	Open land



Cross section of Andarkota-Teligati khal 25 DS from meeting point of Khanarpar khal
18.00

0.00	3.717	Shop
5.00	3.733	LB
6.00	1.829	
8.00	0.527	
10.00	-0.277	
12.00	-0.378	CL
14.00	-0.274	
16.00	0.508	
18.00	1.529	
19.00	2.697	RB
25.00	2.709	
30.00	2.723	Open land



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Doal beel/Dola beel khal

1.	Name of the proposed Khal	:	Doal beel/Dola beel khal
2.	Catchments Area	:	250.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.683 m (PWD)
4.	Avg. Ground level of the area	:	1.112 m (PWD)
5.	Length of the Khal	:	2.260 km
6.	Bed level of the outfall Khal/River	:	(-) 1.22 (PWD) (Gopalganj-Ghagor Poisarhat khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	3.00m.
10.	The proposed bed level of the Khal	:	(-) 1.20 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	35.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
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30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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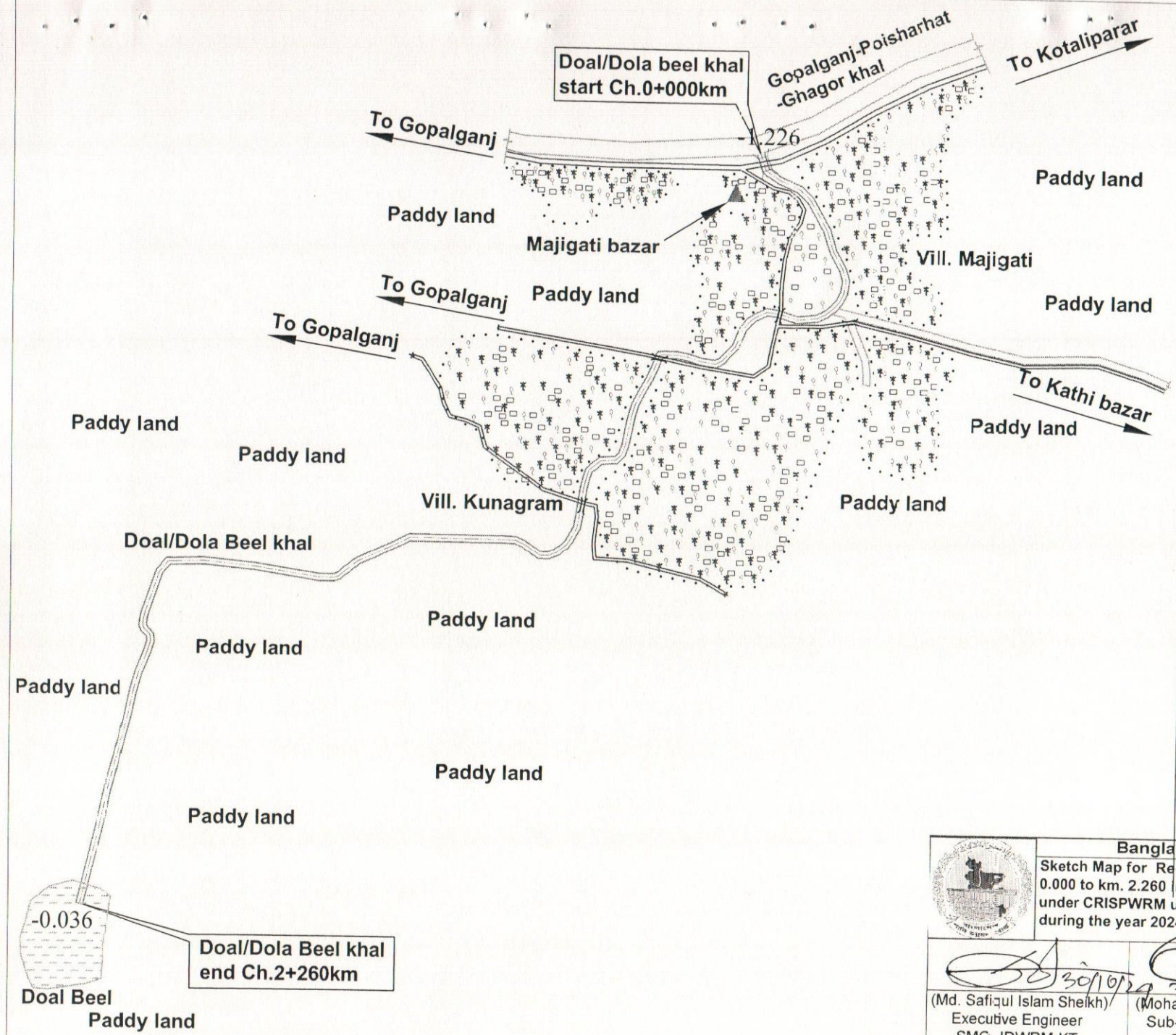
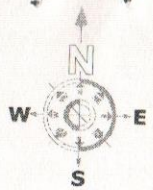
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

Bangladesh Water Development Board

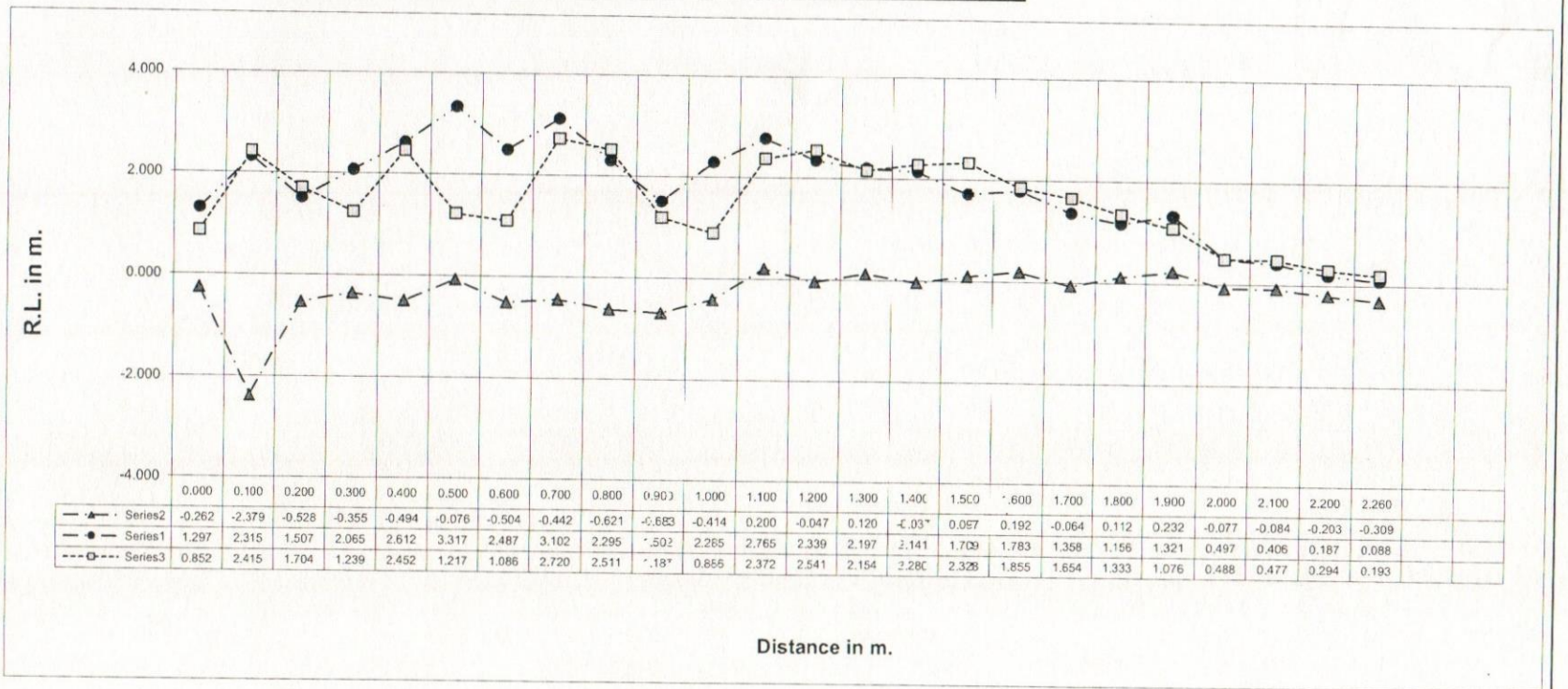
Sketch Map for Re-excavation of Doal beel/Dola beel khal from km. 0.000 to km. 2.260 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch. Long Section of Doal beel khal_Dola khal

Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.260
C/L R.L.	-0.262	-2.379	-0.528	-0.355	-0.494	-0.076	-0.504	-0.442	-0.621	-0.683	-0.414	0.200	-0.047	0.120	-0.037	0.097	0.192	-0.064	0.112	0.232	-0.077	-0.084	-0.203	-0.309
L/BR.L.	1.297	2.315	1.507	2.065	2.612	3.317	2.487	3.102	2.295	1.502	2.285	2.765	2.339	2.197	2.141	1.709	1.783	1.358	1.156	1.321	0.497	0.406	0.187	0.088
R/B R.L.	0.852	2.415	1.704	1.239	2.452	1.217	1.086	2.720	2.511	1.187	0.886	2.372	2.541	2.154	2.280	2.328	1.855	1.654	1.333	1.076	0.488	0.477	0.294	0.193

Long Section for re-excavation of Doal beel khal Dola khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.260
Series2	-0.262	-2.379	-0.528	-0.355	-0.494	-0.076	-0.504	-0.442	-0.621	-0.683	-0.414	0.200	-0.047	0.120	-0.037	0.097	0.192	-0.064	0.112	0.232	-0.077	-0.084	-0.203	-0.309
Series1	1.297	2.315	1.507	2.065	2.612	3.317	2.487	3.102	2.295	1.502	2.285	2.765	2.339	2.197	2.141	1.709	1.783	1.358	1.156	1.321	0.497	0.406	0.187	0.088
Series3	0.852	2.415	1.704	1.239	2.452	1.217	1.086	2.720	2.511	1.187	0.886	2.372	2.541	2.154	2.280	2.328	1.855	1.654	1.333	1.076	0.488	0.477	0.294	0.193

BANGLADESH WATER DEVELOPMENT BOARD

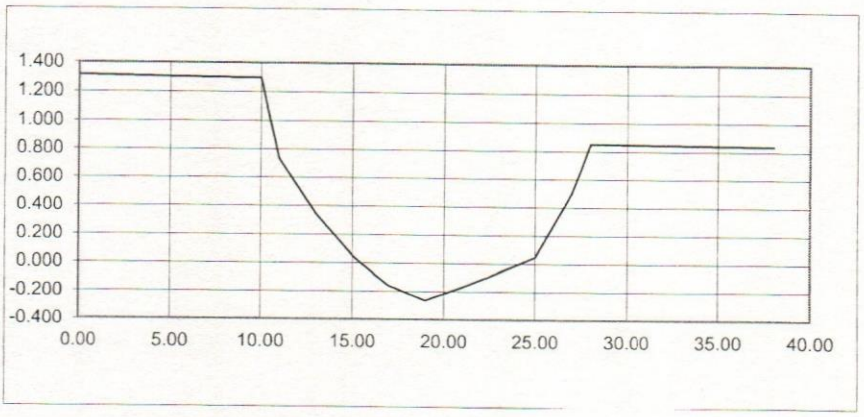
Long Section for Re-excavation of Doal beel/Dola beel khal from km. 0.000 to km. 2.260 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	Sadiur 30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Doal beel/Dola beel khal from km. 0.000 to km. 2.260 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

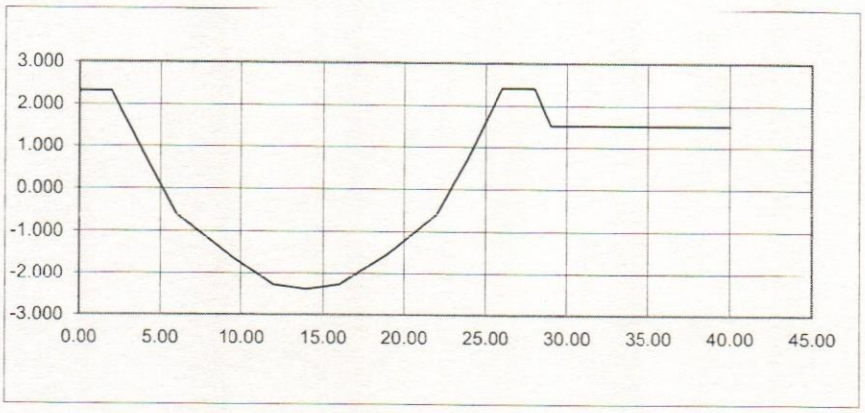
X - Section at km. 0.000

0.00	1.314	Khal bank
5.00	1.304	
10.00	1.297	LB
11.00	0.734	
13.00	0.347	
15.00	0.052	
17.00	-0.158	
19.00	-0.262	CL
21.00	-0.167	
23.00	-0.062	
25.00	0.049	
27.00	0.507	
28.00	0.852	RB
33.00	0.845	
38.00	0.838	Khal bank



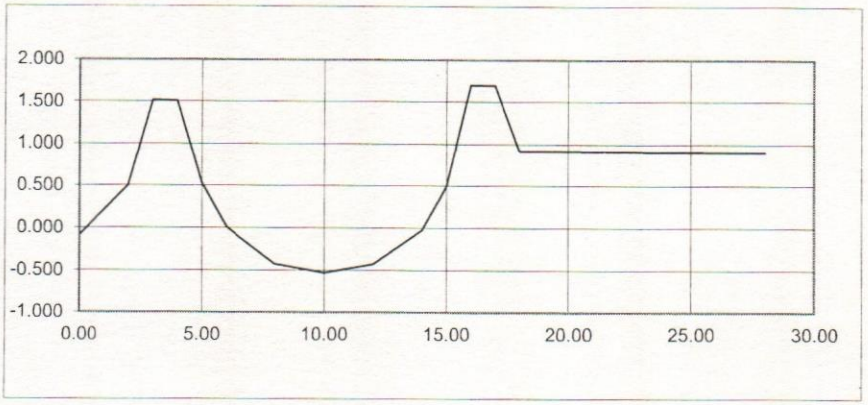
X - Section at km. 0.100

0.00	2.321	Shop
2.00	2.315	LB
4.00	0.820	
6.00	-0.595	
9.00	-1.490	
12.00	-2.274	
14.00	-2.379	CL
16.00	-2.268	
19.00	-1.529	
22.00	-0.574	
24.00	0.802	
26.00	2.415	RB
28.00	2.410	HBB road
29.00	1.525	
35.00	1.520	
40.00	1.515	Garden



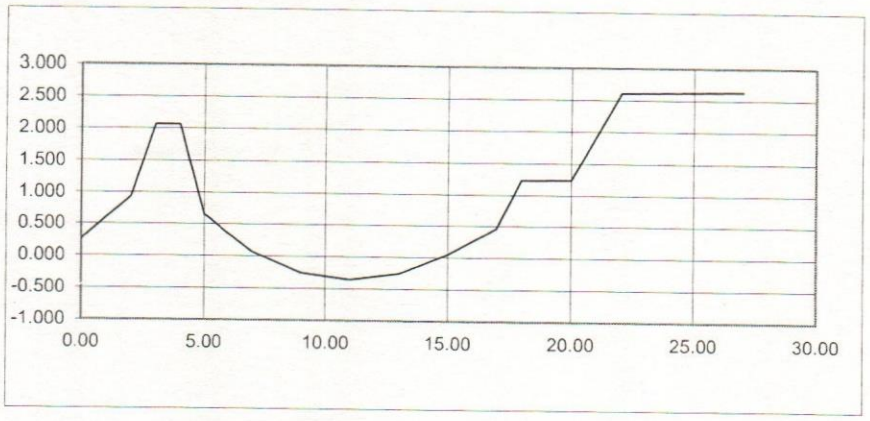
X - Section at km. 0.200

0.00	-0.083	Pond
2.00	0.501	
3.00	1.518	
4.00	1.507	LB
5.00	0.528	
6.00	0.016	
8.00	-0.424	
10.00	-0.528	CL
12.00	-0.426	
14.00	-0.022	
15.00	0.494	
16.00	1.704	RB
17.00	1.698	
18.00	0.916	
23.00	0.907	
28.00	0.902	Paddy land



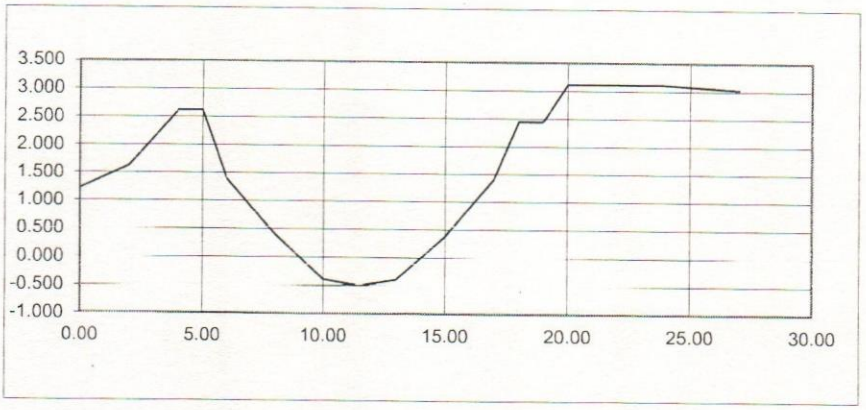
X - Section at km. 0.300

0.00	0.267	Pond
2.00	0.946	
3.00	2.070	
4.00	2.065	LB
5.00	0.656	
7.00	0.064	
9.00	-0.254	
11.00	-0.355	CL
13.00	-0.253	
15.00	0.051	
17.00	0.468	
18.00	1.239	RB
20.00	1.246	
22.00	2.602	
27.00	2.632	House



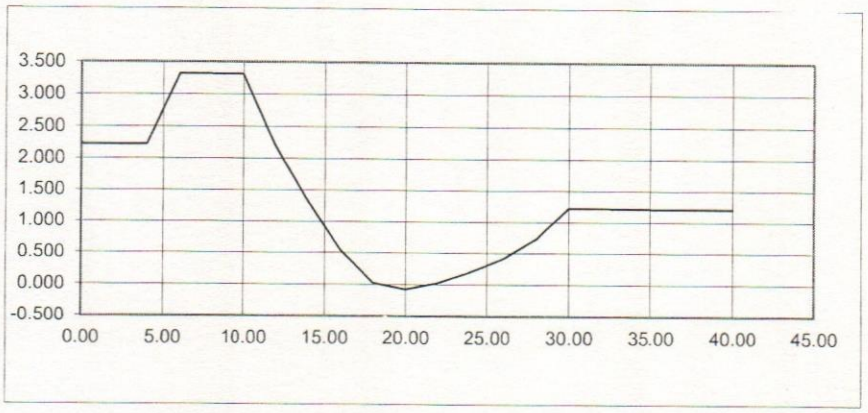
X - Section at km. 0.400

0.00	1.226	Pond
2.00	1.629	
4.00	2.621	
5.00	2.612	LB
6.00	1.426	
8.00	0.419	
10.00	-0.392	
11.50	-0.494	CL
13.00	-0.391	
15.00	0.377	
17.00	1.420	
18.00	2.452	RB
19.00	2.456	BC road
20.00	3.117	
24.00	3.112	
27.00	3.026	House



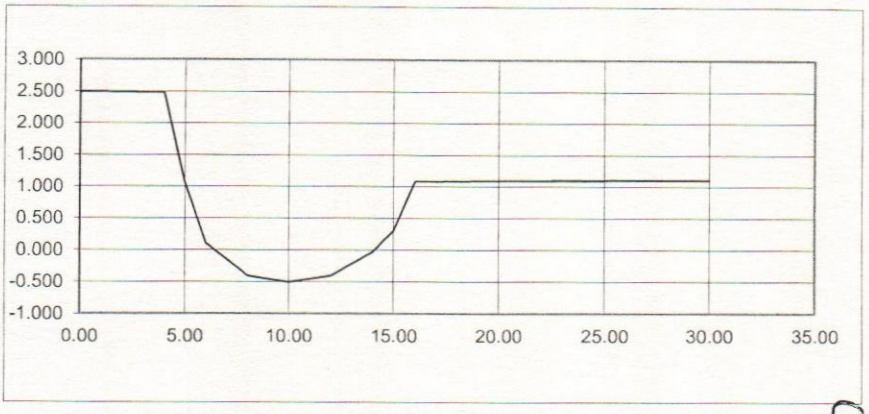
X - Section at km. 0.500

0.00	2.226	House
4.00	2.231	
6.00	3.328	BC road
10.00	3.317	LB
12.00	2.204	
14.00	1.326	
16.00	0.531	
18.00	0.025	
20.00	-0.076	CL
22.00	0.027	
24.00	0.201	
26.00	0.413	
28.00	0.731	
30.00	1.226	RB
35.00	1.217	
40.00	1.212	Open land



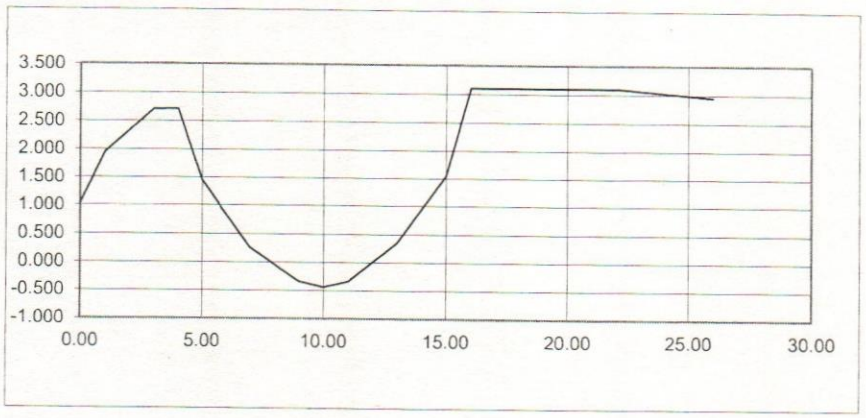
X - Section at km. 0.600

0.00	2.501	House
4.00	2.487	LB
5.00	1.061	
6.00	0.108	
8.00	-0.401	
10.00	-0.504	CL
12.00	-0.403	
14.00	-0.021	
15.00	0.303	
16.00	1.086	RB
20.00	1.101	
25.00	1.107	
30.00	1.112	Paddy land



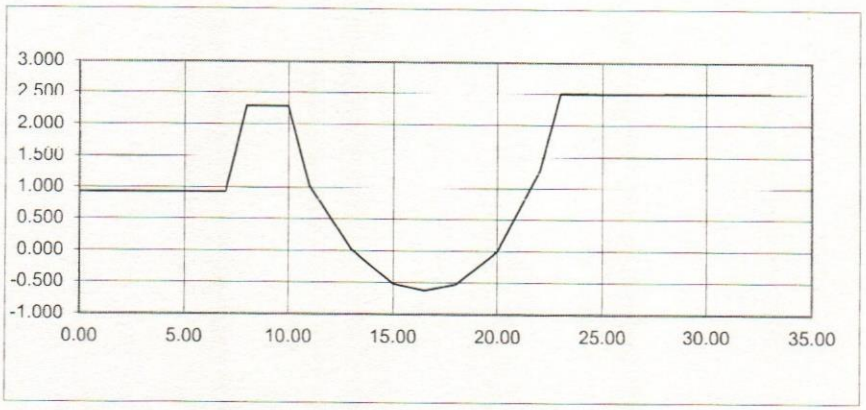
X - Section at km. 0.700

0.00	1.051	Pond
1.00	1.956	
3.00	2.708	
4.00	2.720	LB
5.00	1.459	
7.00	0.263	
9.00	-0.340	
10.00	-0.442	CL
11.00	-0.341	
13.00	0.352	
15.00	1.556	
16.00	3.102	RB
22.00	3.109	BC road
26.00	2.953	Hbb road



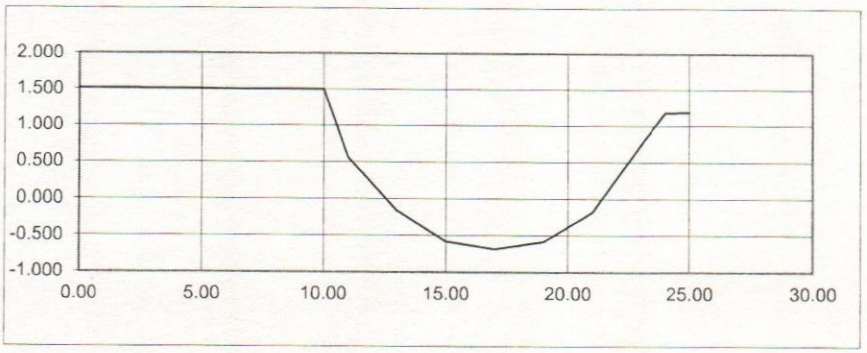
X - Section at km. 0.800

0.00	0.925	Low land
7.00	0.932	
8.00	2.301	
10.00	2.295	LB
11.00	1.029	
13.00	0.024	
15.00	-0.518	
16.50	-0.621	CL
18.00	-0.519	
20.00	-0.001	
22.00	1.274	
23.00	2.511	RB
28.00	2.516	
33.00	2.523	House



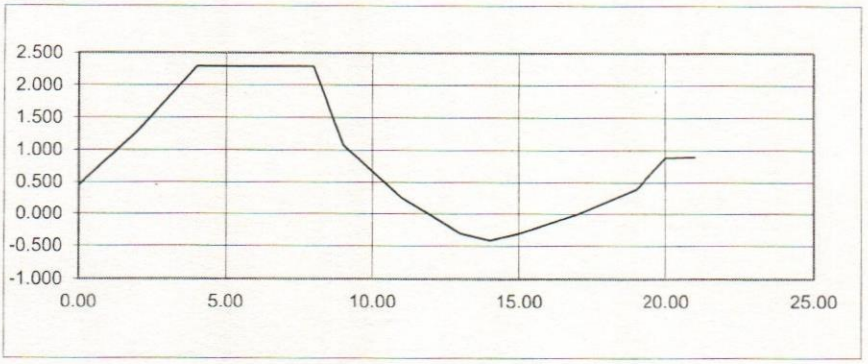
X - Section at km. 0.900

0.00	1.515	House Area
5.00	1.507	
10.00	1.502	LB
11.00	0.554	
13.00	-0.152	
15.00	-0.580	
17.00	-0.683	CL
19.00	-0.582	
21.00	-0.181	
23.00	0.752	
24.00	1.187	RB
25.00	1.194	B/W



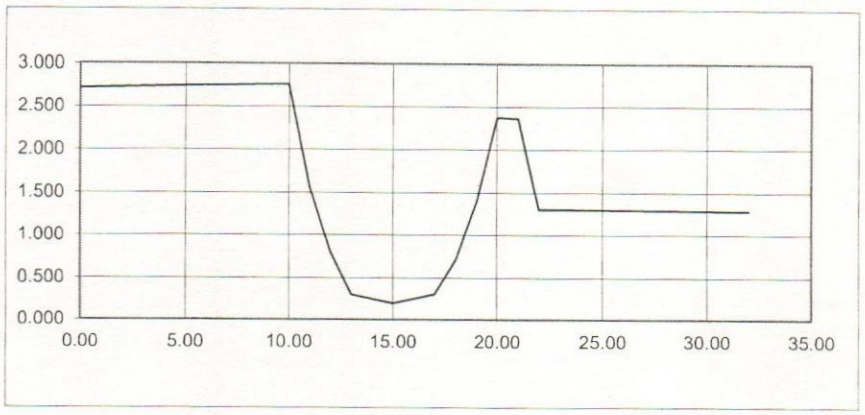
X - Section at km. 1.000

0.00	0.450	Pond
2.00	1.299	
4.00	2.290	
8.00	2.285	LB
9.00	1.078	
11.00	0.255	
13.00	-0.312	
14.00	-0.414	CL
15.00	-0.311	
17.00	0.001	
19.00	0.400	
20.00	0.886	RB
21.00	0.899	B.wall



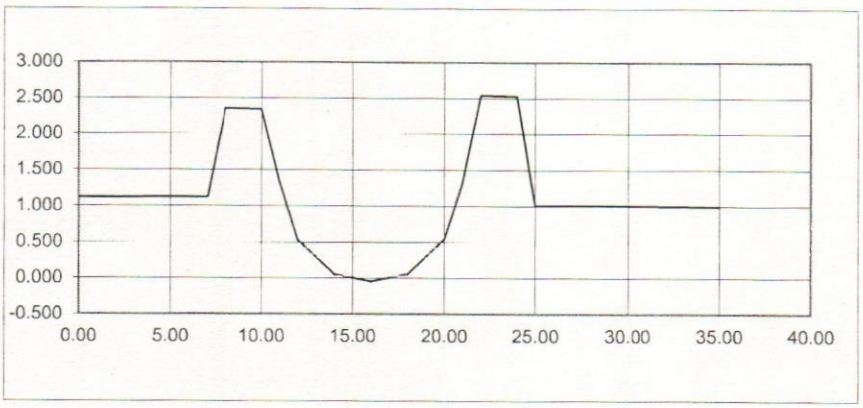
X - Section at km. 1.100

0.00	2.714	Pond bank
5.00	2.741	
10.00	2.765	LB
11.00	1.578	
12.00	0.805	
13.00	0.301	
15.00	0.200	CL
17.00	0.302	
18.00	0.715	
19.00	1.405	
20.00	2.372	RB
21.00	2.360	
22.00	1.314	
27.00	1.303	
32.00	1.292	Paddy land



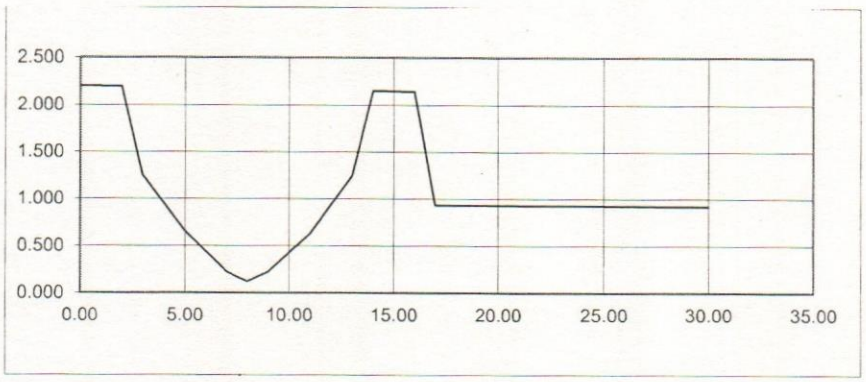
X - Section at km. 1.200

0.00	1.117	Paddy land
7.00	1.128	
8.00	2.353	
10.00	2.339	LB
11.00	1.348	
12.00	0.532	
14.00	0.052	
16.00	-0.047	CL
18.00	0.055	
20.00	0.546	
21.00	1.321	
22.00	2.541	RB
24.00	2.529	
25.00	1.016	
30.00	1.011	
35.00	1.002	Paddy land



X - Section at km. 1.300

0.00	2.204	Cow shed
2.00	2.197	LB
3.00	1.253	
5.00	0.649	
7.00	0.221	
8.00	0.120	CL
9.00	0.222	
11.00	0.629	
13.00	1.248	
14.00	2.154	RB
16.00	2.142	
17.00	0.934	
25.00	0.928	
30.00	0.919	Paddy land

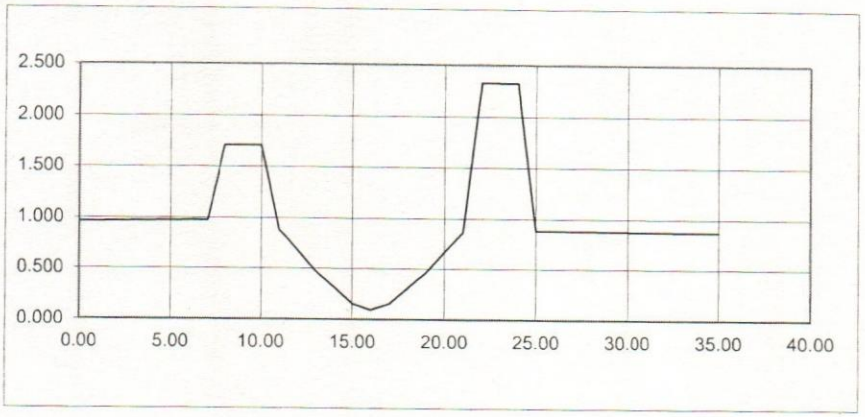


X - Section at km. 1.400

0.00	1.228	Paddy land
7.00	1.233	
8.00	2.149	
10.00	2.141	LB
11.00	1.118	
12.00	0.450	
13.00	0.064	
15.00	-0.037	CL
17.00	0.062	
18.00	0.443	
19.00	1.074	
20.00	2.280	RB
22.00	2.273	
23.00	1.147	
28.00	1.142	
33.00	1.117	Paddy land

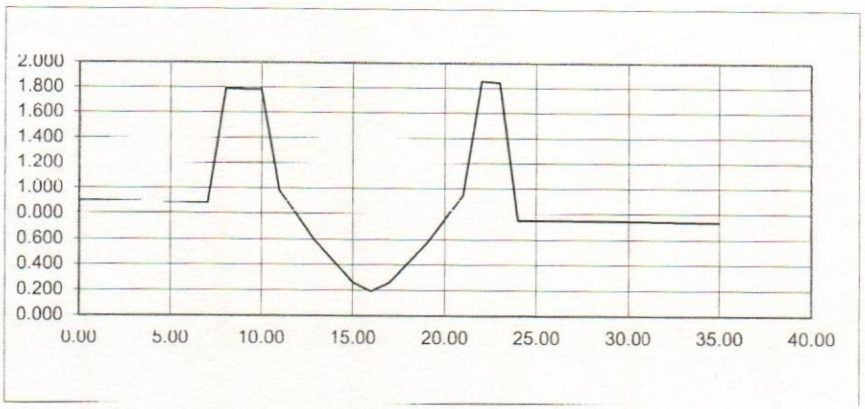
X - Section at km. 1.500

0.00	0.964	Paddy land
7.00	0.977	
8.00	1.714	
10.00	1.709	LB
11.00	0.877	
13.00	0.468	
15.00	0.157	
16.00	0.097	CL
17.00	0.155	
19.00	0.463	
21.00	0.856	
22.00	2.328	RB
24.00	2.323	
25.00	0.877	
30.00	0.868	
35.00	0.863	Paddy land



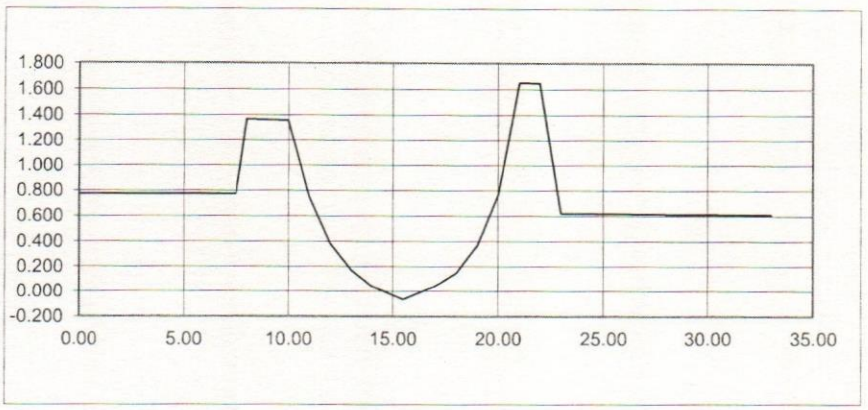
X - Section at km. 1.600

0.00	0.898	Paddy land
7.00	0.885	
8.00	1.788	
10.00	1.783	LB
11.00	0.977	
13.00	0.579	
15.00	0.264	
16.00	0.192	CL
17.00	0.263	
19.00	0.568	
21.00	0.944	
22.00	1.855	RB
23.00	1.844	
24.00	0.752	
30.00	0.744	
35.00	0.734	Paddy land



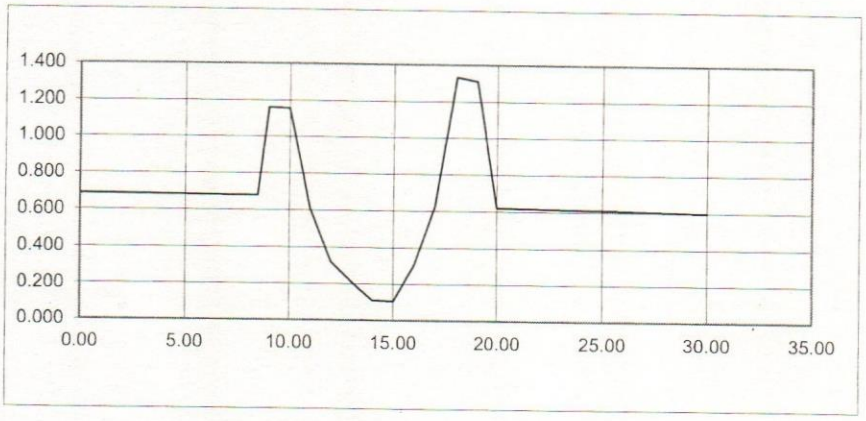
X - Section at km. 1.700

0.00	0.773	Paddy land
7.50	0.778	
8.00	1.367	
10.00	1.358	LB
11.00	0.753	
12.00	0.385	
13.00	0.174	
14.00	0.039	
15.50	-0.064	CL
17.00	0.038	
18.00	0.146	
19.00	0.372	
20.00	0.768	
21.00	1.654	RB
22.00	1.649	
23.00	0.624	
28.00	0.618	
33.00	0.613	Paddy land



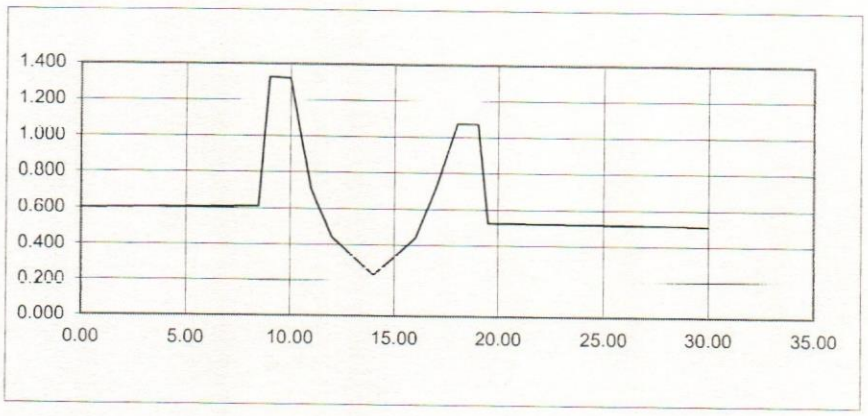
X - Section at km. 1.800

0.00	0.690	Paddy land
8.50	0.682	
9.00	1.161	
10.00	1.156	LB
11.00	0.613	
12.00	0.321	
13.00	0.213	
14.00	0.112	CL
15.00	0.107	
16.00	0.309	
17.00	0.626	
18.00	1.333	RB
19.00	1.312	
20.00	0.621	
25.00	0.612	
30.00	0.600	Paddy land



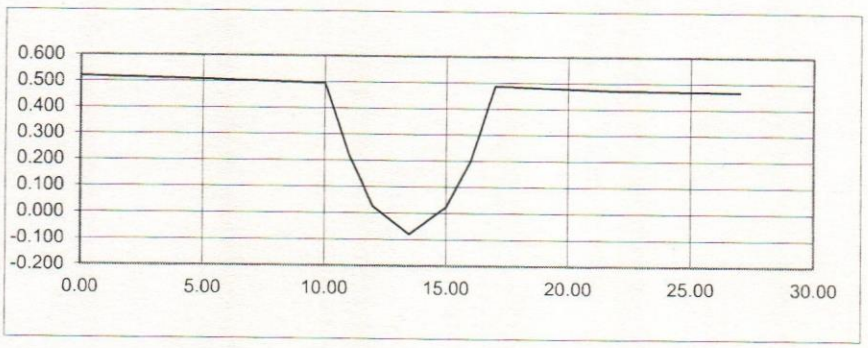
X - Section at km. 1.900

0.00	0.599	Paddy land
5.00	0.607	
8.50	0.612	
9.00	1.329	
10.00	1.321	LB
11.00	0.708	
12.00	0.442	
13.00	0.335	
14.00	0.232	CL
15.00	0.333	
16.00	0.439	
17.00	0.718	
18.00	1.076	RB
19.00	1.072	
19.50	0.526	
25.00	0.520	
30.00	0.512	Paddy land



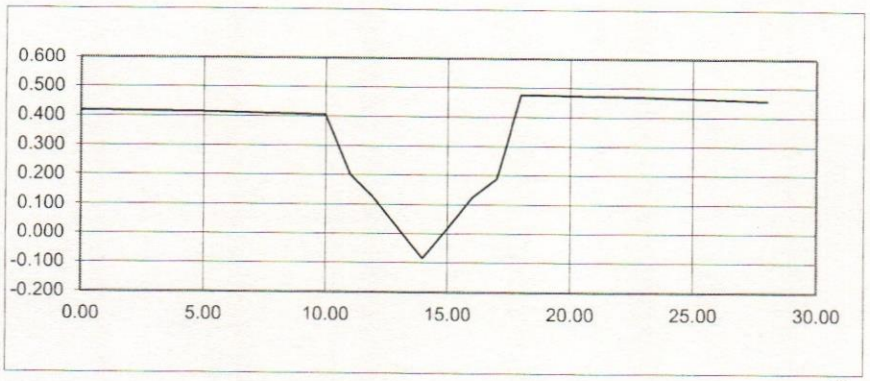
X - Section at km. 2.000

0.00	0.521	Paddy land
5.00	0.509	
10.00	0.497	LB
11.00	0.222	
12.00	0.026	
13.50	-0.077	CL
15.00	0.024	
16.00	0.198	
17.00	0.488	RB
22.00	0.472	
27.00	0.467	Paddy land



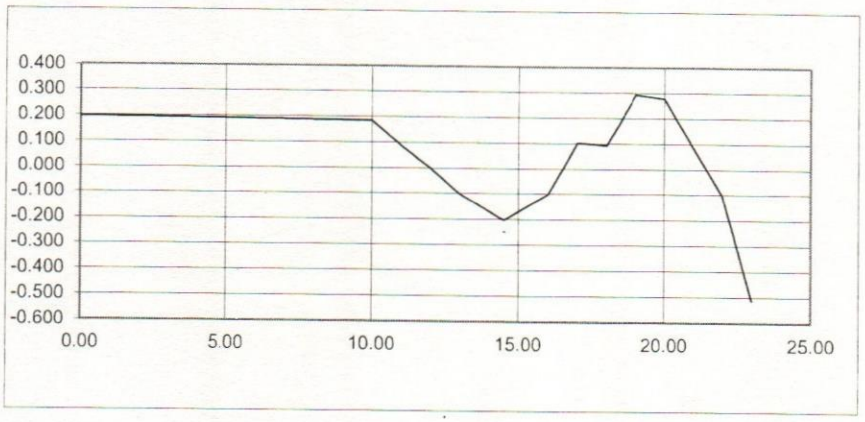
X - Section at km. 2.100

0.00	0.419	Paddy land
5.00	0.414	
10.00	0.406	LB
11.00	0.201	
12.00	0.120	
13.00	0.015	
14.00	-0.084	CL
15.00	0.017	
16.00	0.124	
17.00	0.189	
18.00	0.477	RB
23.00	0.470	
28.00	0.458	Paddy land



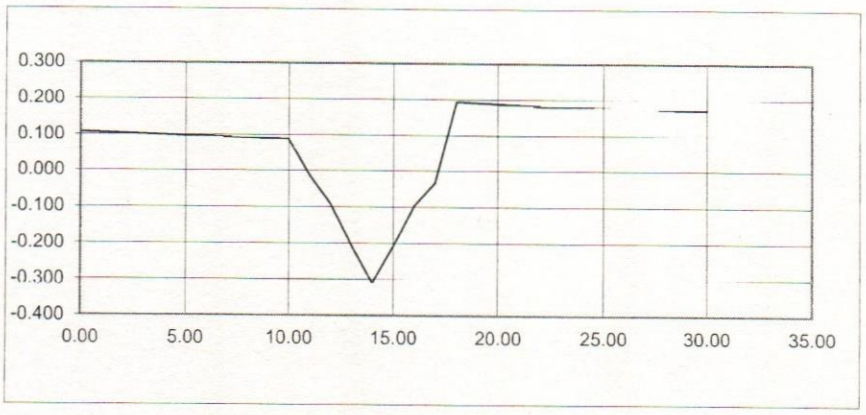
X - Section at km. 2.200

0.00	0.198	Paddy land
5.00	0.193	
10.00	0.187	LB
11.00	0.088	
12.00	0.001	
13.00	-0.101	
14.50	-0.203	CL
16.00	-0.102	
17.00	0.104	
18.00	0.095	
19.00	0.294	RB
20.00	0.278	
22.00	-0.102	
23.00	-0.513	Pond



X - Section at km. 2.260

0.00	0.107	Paddy land
5.00	0.098	
10.00	0.088	LB
11.00	-0.013	
12.00	-0.093	
13.00	-0.206	
14.00	-0.309	CL
15.00	-0.206	
16.00	-0.097	
17.00	-0.033	
18.00	0.193	RB
23.00	0.181	
30.00	0.172	Paddy land



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

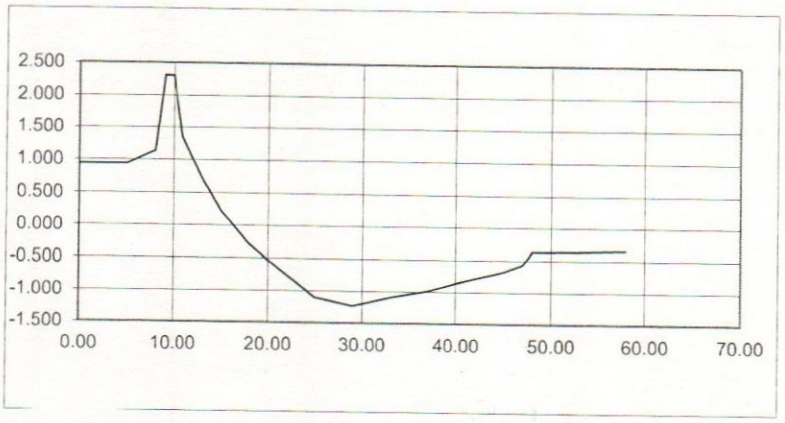
30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section for Out fall khal **(Gopalganj-Ghagor Poisarhat khal)** Re-excavation of Doal beel/Dola beel khal from km. 0.000 to km. 2.260 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

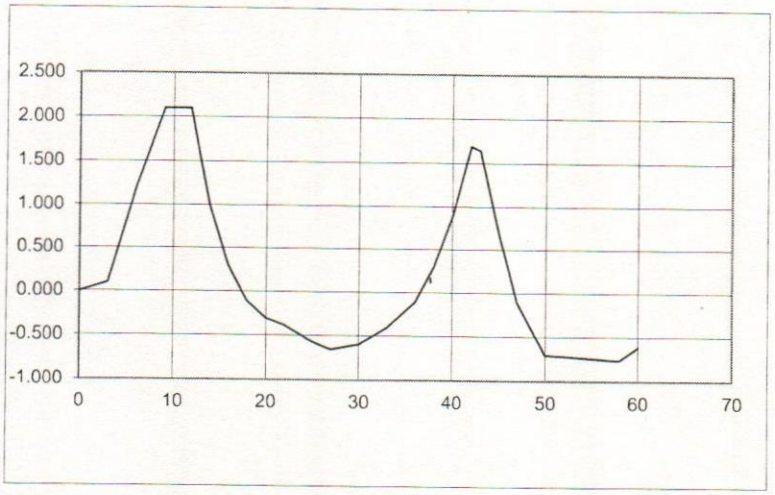
ss section of Gopalganj-Ghagor Poisarhat khal along the Doal beel/Dola beel

0.00	0.948	Paddy land
5.00	0.943	
8.00	1.139	
9.00	2.307	
10.00	2.298	LB
11.00	1.343	
13.00	0.754	
15.00	0.242	
18.00	-0.277	
21.00	-0.645	
25.00	-1.098	
29.00	-1.226	CL
33.00	-1.091	
37.00	-0.984	
40.00	-0.863	
43.00	-0.746	
45.00	-0.677	
47.00	-0.568	
48.00	-0.362	RB
53.00	-0.351	
58.00	-0.335	Khal bed



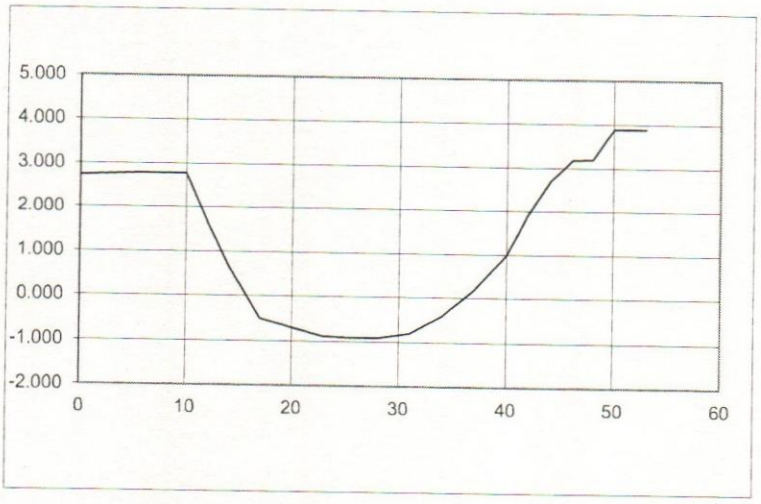
oss section of Gopalganj-Ghagor Poisarhat khal 50 DS from meeting point of Doal beel/Dola beel kh

0	-0.004	
3	0.097	
6	1.197	
9	2.101	
12	2.097	LB
14	0.997	
16	0.294	
18	-0.109	
20	-0.301	
22	-0.383	
25	-0.576	
27	-0.654	
30	-0.599	
33	-0.405	
36	-0.111	
38	0.293	
40	0.893	
42	1.696	RB
43	1.648	
45	0.697	
47	-0.104	
50	-0.704	
58	-0.762	
60	-0.611	



·oss section of Gopalganj-Ghagor Poisarhat khal 50 US from meeting point of Doal beel/Dola beel kh

0	2.742	
5	2.783	
10	2.792	LB
12	1.691	
14	0.684	
17	-0.516	
20	-0.711	
23	-0.884	
25	-0.902	
28	-0.912	
31	-0.802	
34	-0.414	
37	0.184	
40	0.991	
42	1.933	
44	2.691	
46	3.191	RB
48	3.202	
50	3.892	
53	3.902	



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Data Checklist for the Re-excavation of Dhulorujir khal

1.	Name of the proposed Khal	:	Dhulorujir khal
2.	Catchments Area	:	110.00 Hac
3.	The lowest level up to which drainage requires	:	-1.25 m (PWD)
4.	Avg. Ground level of the area	:	0.992 m (PWD)
5.	Length of the Khal	:	0.950 km
6.	Bed level of the outfall Khal/River	:	(-) 5.256 (PWD) (Gazna khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	5.00m.
10.	The proposed bed level of the Khal	:	(-) 2.00 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	31.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

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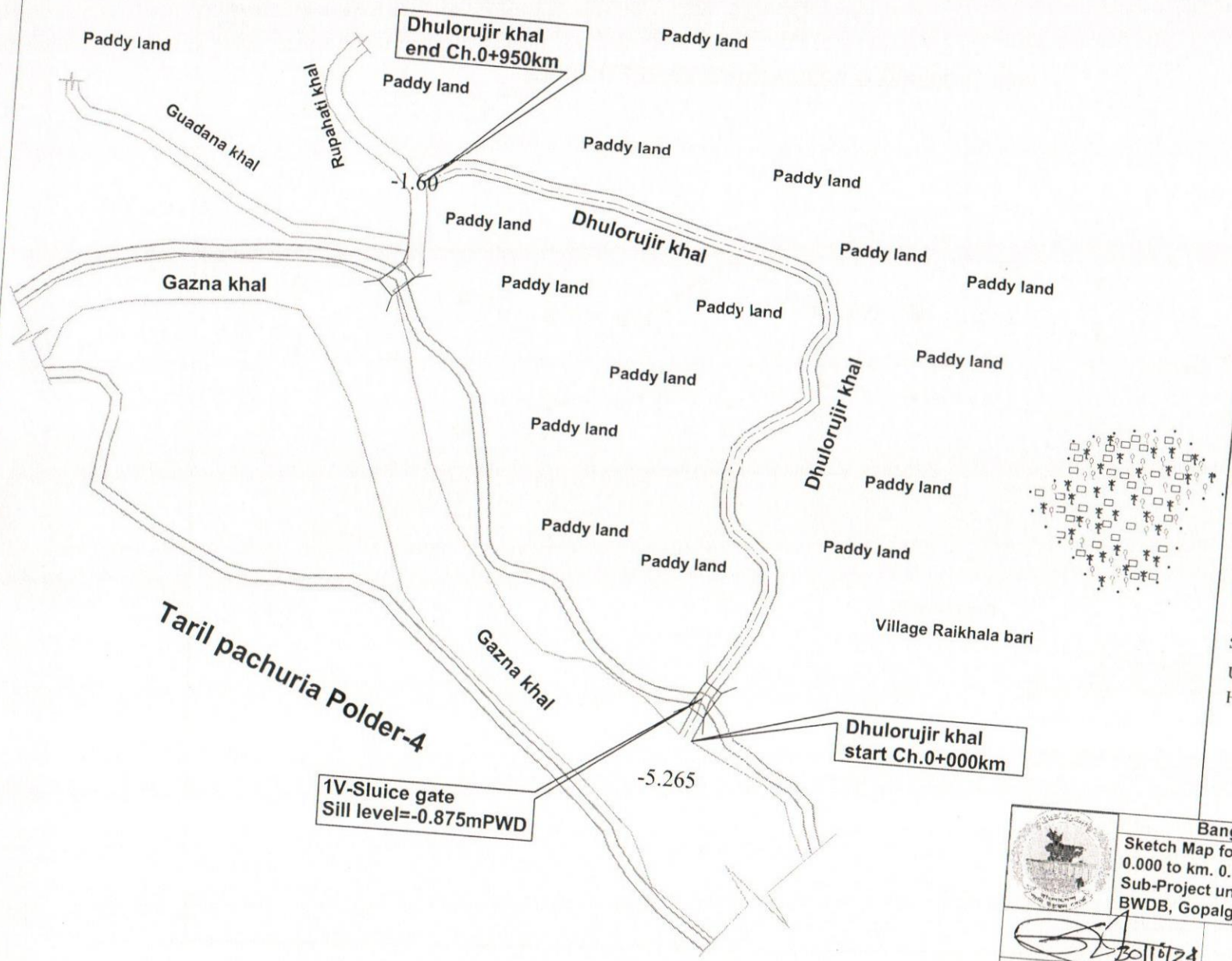
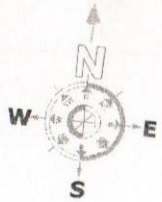




LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

Bangladesh Water Development Board

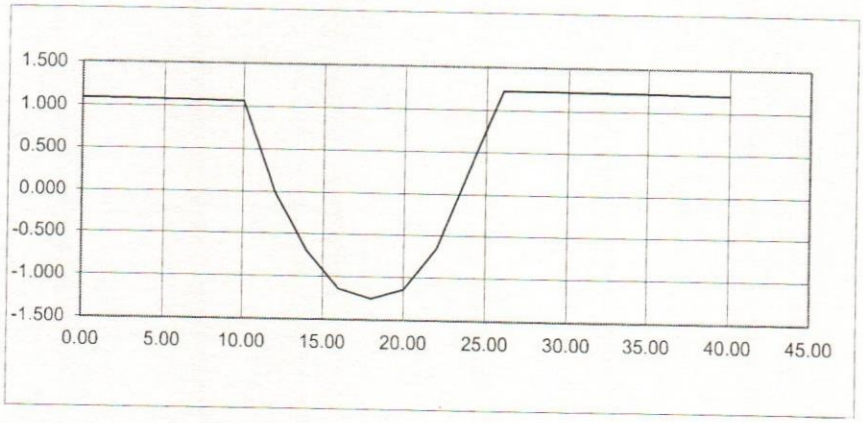
Sketch Map for Re-excavation of Dhulorujir khal from km. 0.000 to km. 0.950 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMC, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, [illegible]

Cross Section for Re-excavation of Dhulorujir khal from km. 0.000 to km. 0.950 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

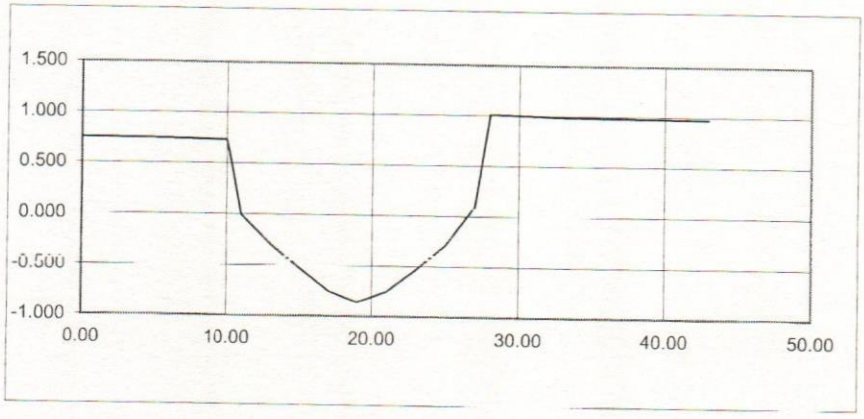
X - Section at km. 0.000

0.00	1.097	Khal bank
5.00	1.084	
10.00	1.072	LB
12.00	-0.003	
14.00	-0.703	
16.00	-1.145	
18.00	-1.252	CL
20.00	-1.148	
22.00	-0.661	
24.00	0.302	
26.00	1.235	RB
30.00	1.229	
35.00	1.222	
40.00	1.209	Khal bank



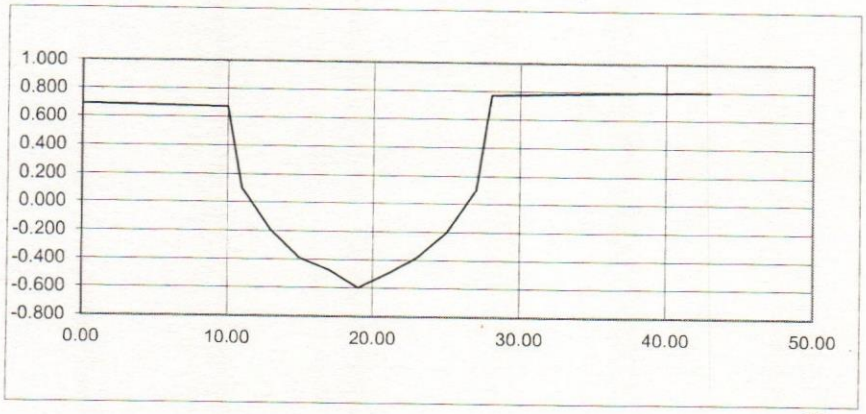
X - Section at km. 0.100

0.00	0.755	Low land
5.00	0.748	
10.00	0.735	LB
11.00	-0.003	
13.00	-0.291	
15.00	-0.525	
17.00	-0.750	
19.00	-0.857	CL
21.00	-0.752	
23.00	-0.534	
25.00	-0.289	
27.00	0.102	
28.00	1.009	RB
33.00	0.988	
38.00	0.983	
43.00	0.976	Low land



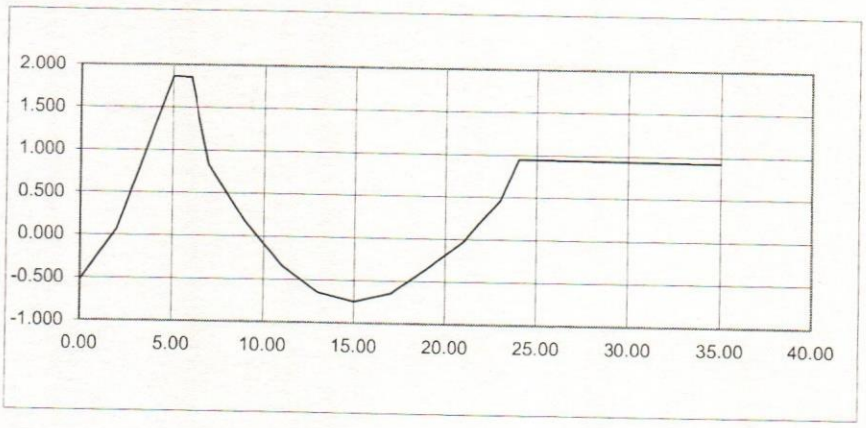
X - Section at km. 0.200

0.00	0.693	Low land
5.00	0.684	
10.00	0.672	LB
11.00	0.098	
13.00	-0.196	
15.00	-0.387	
17.00	-0.470	
19.00	-0.598	CL
21.00	-0.497	
23.00	-0.382	
25.00	-0.202	
27.00	0.099	
28.00	0.773	RB
33.00	0.785	
38.00	0.798	
43.00	0.804	Low land



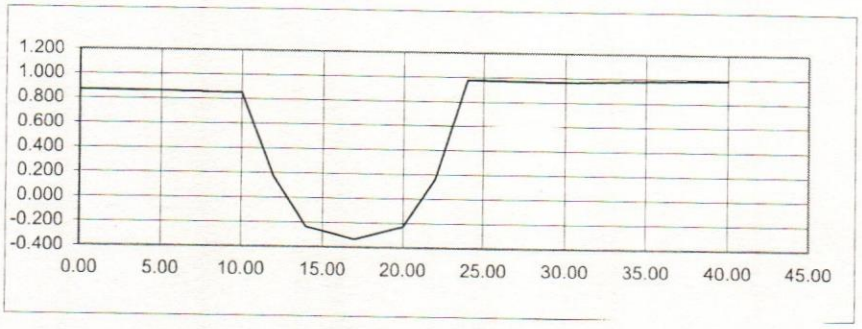
X - Section at km. 0.300

0.00	-0.525	Fisheries
2.00	0.067	
5.00	1.864	
6.00	1.853	LB
7.00	0.841	
9.00	0.172	
11.00	-0.335	
13.00	-0.647	
15.00	-0.749	CL
17.00	-0.648	
19.00	-0.348	
21.00	-0.027	
23.00	0.466	
24.00	0.952	RB
30.00	0.940	
35.00	0.931	Paddy land



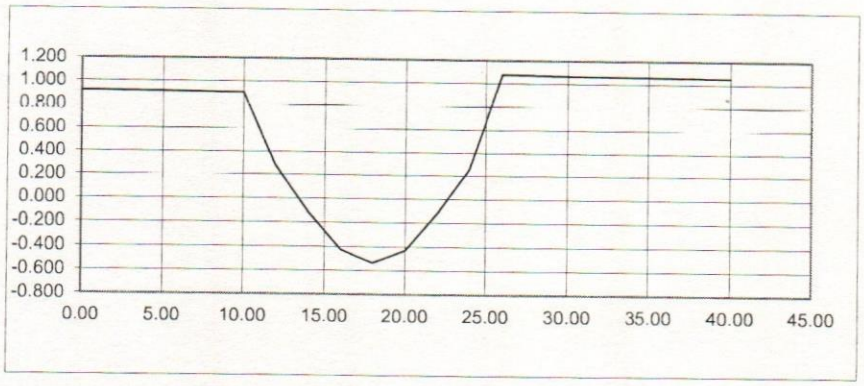
X - Section at km. 0.400

0.00	0.872	Paddy land
5.00	0.865	
10.00	0.853	LB
12.00	0.170	
14.00	-0.237	
17.00	-0.333	CL
20.00	-0.228	
22.00	0.166	
24.00	0.977	RB
30.00	0.965	
35.00	0.983	
40.00	0.992	Paddy land



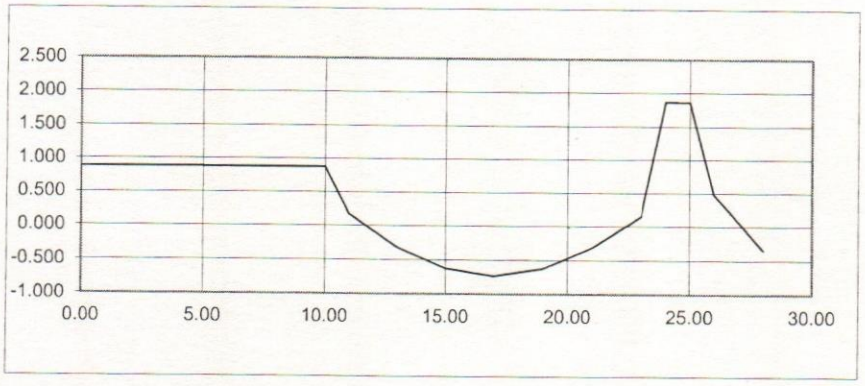
X - Section at km. 0.500

0.00	0.919	Paddy land
5.00	0.914	
10.00	0.905	LB
12.00	0.279	
14.00	-0.115	
16.00	-0.422	
18.00	-0.534	CL
20.00	-0.431	
22.00	-0.122	
24.00	0.258	
26.00	1.080	RB
30.00	1.069	
35.00	1.064	
40.00	1.056	Paddy land



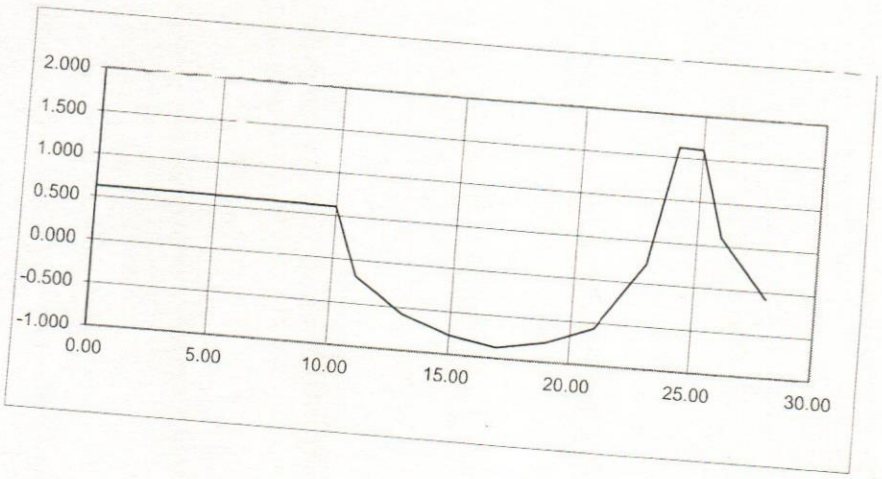
X - Section at km. 0.600

0.00	0.885	Paddy land
5.00	0.879	
10.00	0.874	LB
11.00	0.169	
13.00	-0.322	
15.00	-0.622	
17.00	-0.726	CL
19.00	-0.621	
21.00	-0.310	
23.00	0.153	
24.00	1.874	RB
25.00	1.865	
26.00	0.474	
28.00	-0.346	Fisheries



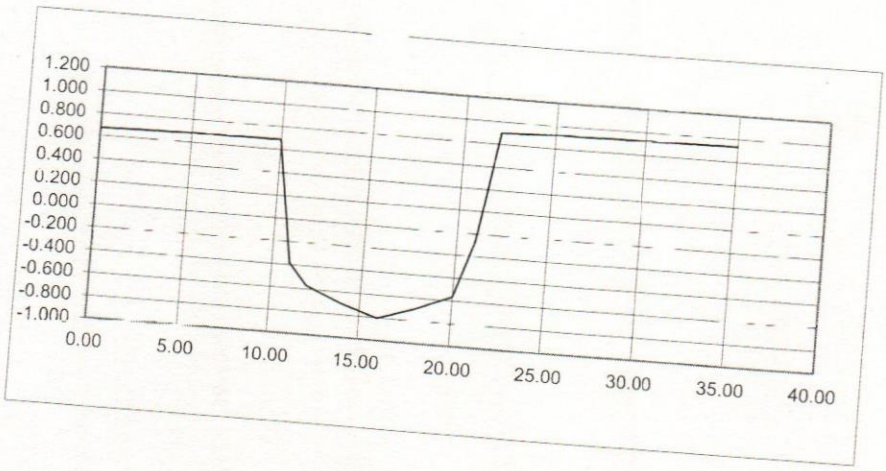
X - Section at km. 0.700

0.00	0.627	Paddy land
5.00	0.621	
10.00	0.608	LB
11.00	-0.180	
13.00	-0.568	
15.00	-0.771	
17.00	-0.873	CL
19.00	-0.768	
21.00	-0.562	
23.00	0.232	
24.00	1.620	RB
25.00	1.611	
26.00	0.607	
28.00	-0.071	Fisheries



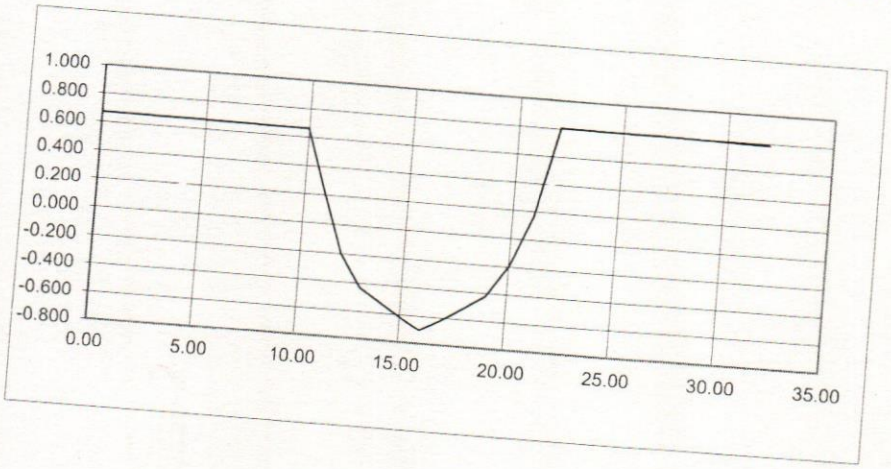
X - Section at km. 0.800

0.00	0.668	Paddy land
5.00	0.680	
10.00	0.685	LB
11.00	-0.380	
12.00	-0.570	
14.00	-0.702	
16.00	-0.803	CL
18.00	-0.697	
20.00	-0.563	
21.00	-0.075	
22.00	0.897	RB
25.00	0.921	
30.00	0.925	
35.00	0.937	Open land



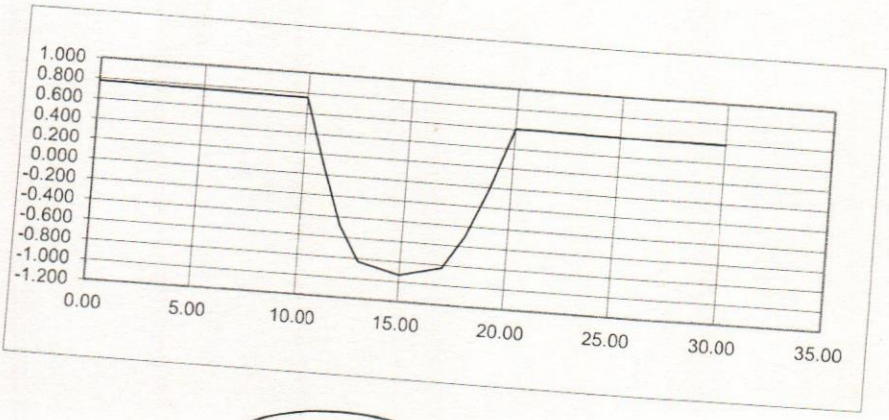
X - Section at km. 0.900

0.00	0.671	Paddy land
5.00	0.666	
10.00	0.660	LB
11.00	0.217	
12.00	-0.199	
13.00	-0.428	
15.00	-0.619	
16.00	-0.702	CL
17.00	-0.620	
19.00	-0.421	
20.00	-0.195	
21.00	0.169	
22.00	0.805	RB
27.00	0.800	
32.00	0.787	Paddy land



X - Section at km. 0.950

0.00	0.780	Khal bank
5.00	0.770	
10.00	0.762	LB
11.00	0.105	
12.00	-0.489	
13.00	-0.831	
15.00	-0.933	CL
17.00	-0.830	
18.00	-0.502	
19.00	-0.001	
20.00	0.609	RB
25.00	0.600	
30.00	0.586	Paddy land



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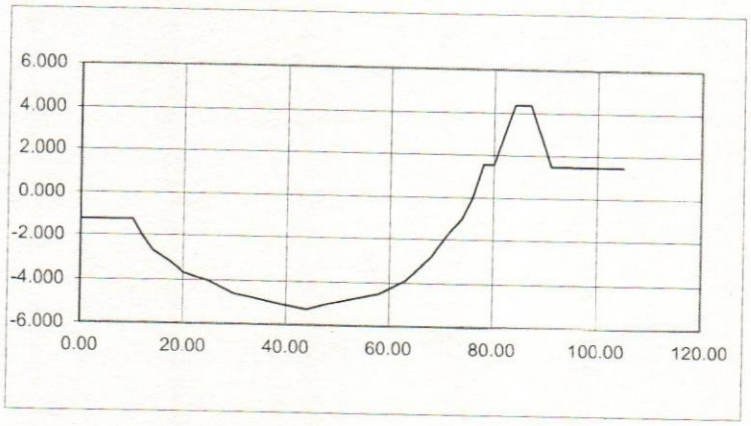
Sub-Assistant Engineer
SMO, IDWRM-KT

Cross Section of Out fall khal **(Gazna khal)** Re-excavation of Dhulorujir khal from km. 0.000 to km. 0.950 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

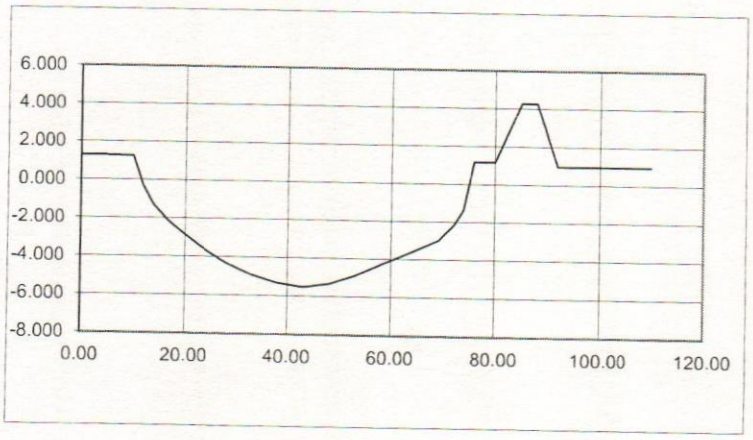
Cross section of Gazna khal along the Dhulorujir khal

0.00	-1.252	Khal bed
5.00	-1.241	
10.00	-1.234	LB
12.00	-2.047	
14.00	-2.701	
17.00	-3.125	
20.00	-3.646	
25.00	-4.025	
30.00	-4.591	
40.00	-5.094	
44.00	-5.265	CL
48.00	-5.003	
58.00	-4.503	
63.00	-3.896	
68.00	-2.798	
71.00	-1.793	
74.00	-0.991	
76.00	-0.003	
78.00	1.548	RB
80.00	1.542	
84.00	4.375	
87.00	4.37	BC road
91.00	1.485	
95.00	1.483	
105.00	1.472	Paddy land



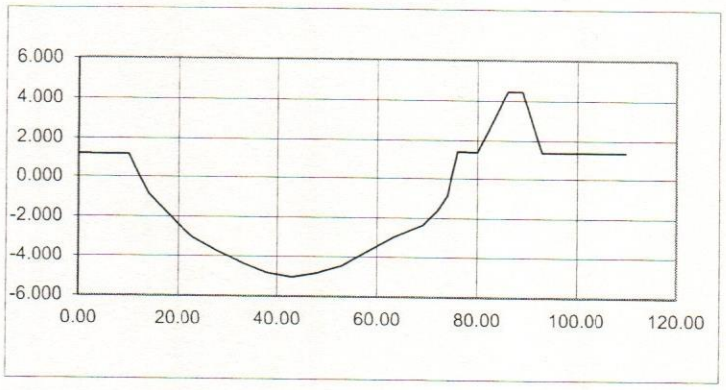
Cross section of Gazna khal 50 DS from meeting point of Dhulorujir khal

0.00	1.298	Char
5.00	1.292	
10.00	1.264	LB
12.00	-0.317	
14.00	-1.298	
17.00	-2.202	
20.00	-2.843	
23.00	-3.446	
28.00	-4.301	
33.00	-4.903	
38.00	-5.316	
43.00	-5.517	CL
48.00	-5.324	
53.00	-4.891	
58.00	-4.294	
63.00	-3.723	
69.00	-3.005	
72.00	-2.198	
74.00	-1.327	
76.00	1.202	RB
80.00	1.184	
85.00	4.283	
88.00	4.275	BC road
92.00	0.985	
97.00	0.972	
110.00	0.966	Paddy land



Cross section of Gazna khal 50 US from meeting point of Dhulorujir khal

0.00	1.206	Open land
5.00	1.188	
10.00	1.183	LB
12.00	0.103	
14.00	-0.803	
17.00	-1.615	
20.00	-2.367	
23.00	-3.028	
28.00	-3.741	
33.00	-4.352	
38.00	-4.848	
43.00	-5.055	CL
48.00	-4.852	
53.00	-4.468	
58.00	-3.725	
63.00	-3.002	
69.00	-2.351	
72.00	-1.618	
74.00	-0.834	
76.00	1.409	RB
80.00	1.384	
86.00	4.485	BC road
89.00	4.473	
93.00	1.385	
98.00	1.373	
110.00	1.366	Paddy land



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(Sadiur Rahman)
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SMO, IDWRM-KT
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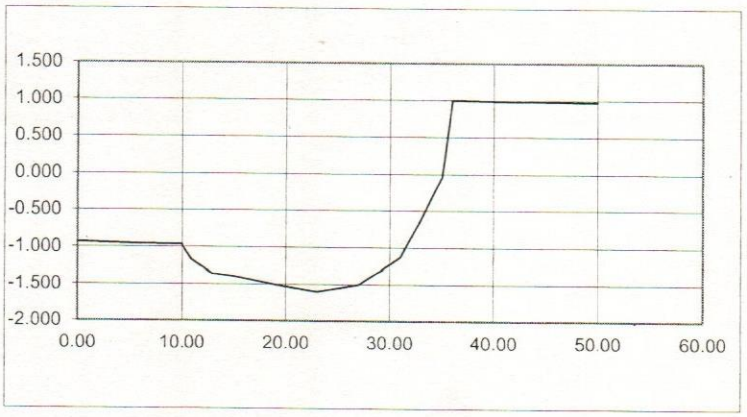
BWDB, Gopalgonj

Cross Section of Offtake khal **(Rupahati khal)** Re-excavation of Dhulorujir khal from km. 0.000 to km. 0.950 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

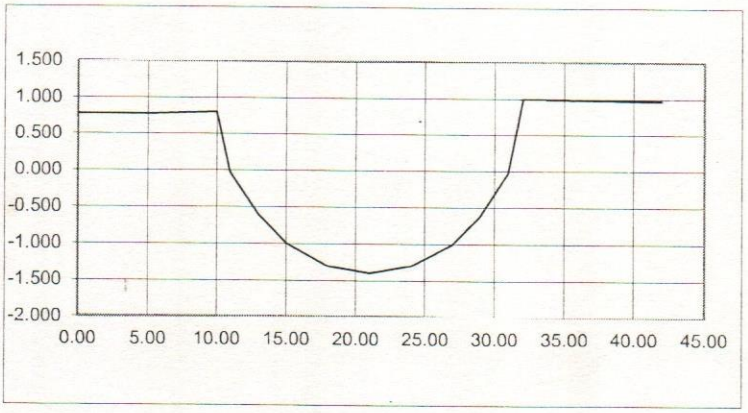
Cross section of Rupahati khal along the Dhulorujir khal

0.00	-0.933	Khal bed
5.00	-0.952	
10.00	-0.960	LB
11.00	-1.168	
13.00	-1.352	
15.00	-1.389	
19.00	-1.501	
23.00	-1.600	CL
27.00	-1.498	
31.00	-1.125	
33.00	-0.613	
35.00	-0.039	
36.00	1.001	RB
40.00	0.986	
45.00	0.981	
50.00	0.975	Paddy land



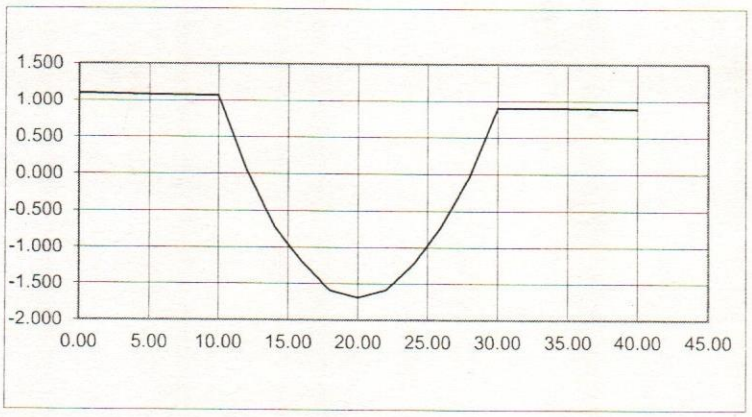
Cross section of Rupahati khal 50 US from meeting point of Dhulorujir khal

0.00	0.787	Open land
5.00	0.779	
10.00	0.811	LB
11.00	-0.025	
13.00	-0.599	
15.00	-0.989	
18.00	-1.301	
21.00	-1.395	CL
24.00	-1.296	
27.00	-1.000	
29.00	-0.610	
31.00	-0.023	
32.00	1.000	RB
37.00	0.987	
42.00	0.975	Open land



Cross section of Rupahati khal 50 DS from meeting point of Dhulorujir khal

0.00	1.101	Open land
5.00	1.087	
10.00	1.075	LB
12.00	0.067	
14.00	-0.708	
16.00	-1.200	
18.00	-1.594	
20.00	-1.693	CL
22.00	-1.590	
24.00	-1.222	
26.00	-0.701	
28.00	-0.025	
30.00	0.902	RB
35.00	0.901	
40.00	0.888	Open land



Bainbunia Khal

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SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Doapura khal-1

1.	Name of the proposed Khal	:	Doapura khal-1
2.	Catchments Area	:	170.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 1.04 m (PWD)
4.	Avg. Ground level of the area	:	0.367 m (PWD)
5.	Length of the Khal	:	1.404 km
6.	Bed level of the outfall Khal/River	:	(-) 7.09 (PWD) (Chatkhali river)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	5.00m.
10.	The proposed bed level of the Khal	:	(-) 1.70 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	32.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24

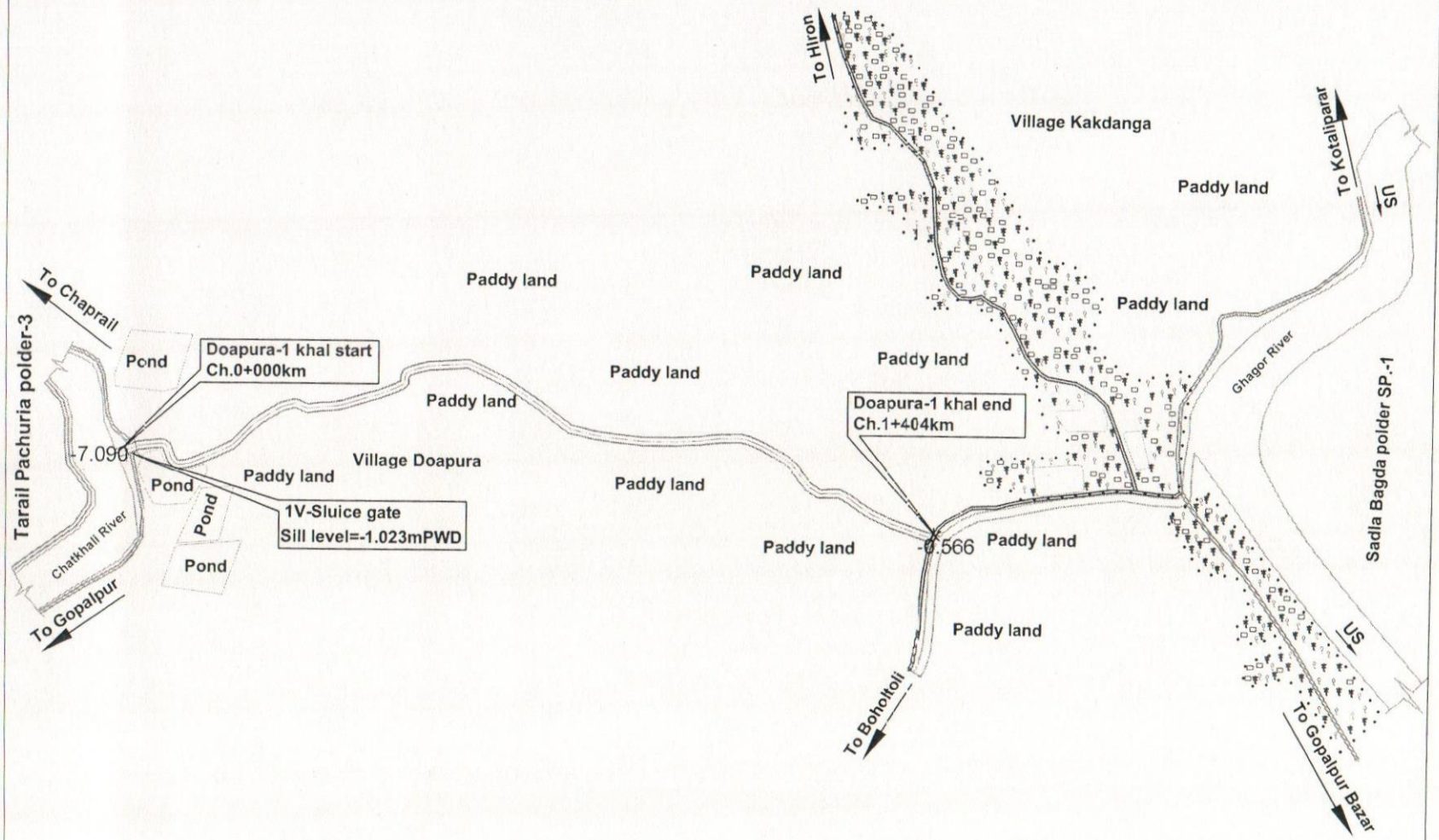
(Md. Safiqul Islam Sheikh)
Executive Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

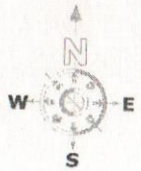
30/10/24

(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24

(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road
- Existing Earthen Road
- Existing HBB Road
- Existing Embankment
- Existing River
- Existing Khal
- Re-excavation of Khal
- Railway Line
- Existing Pond, Ditch
- Existing Bridge/Culvert
- Existing Reg/Sluice
- Structure-Permanent
- Structure-Semipermanent
- Structure-Tin-shed,Hut
- Mosque , Eid-Gaon, Tomp , Church , Temple , Graveyard
- Hat/Bazar
- School/ College
- Union Parishad
- Home steads/High Land

Bangladesh Water Development Board

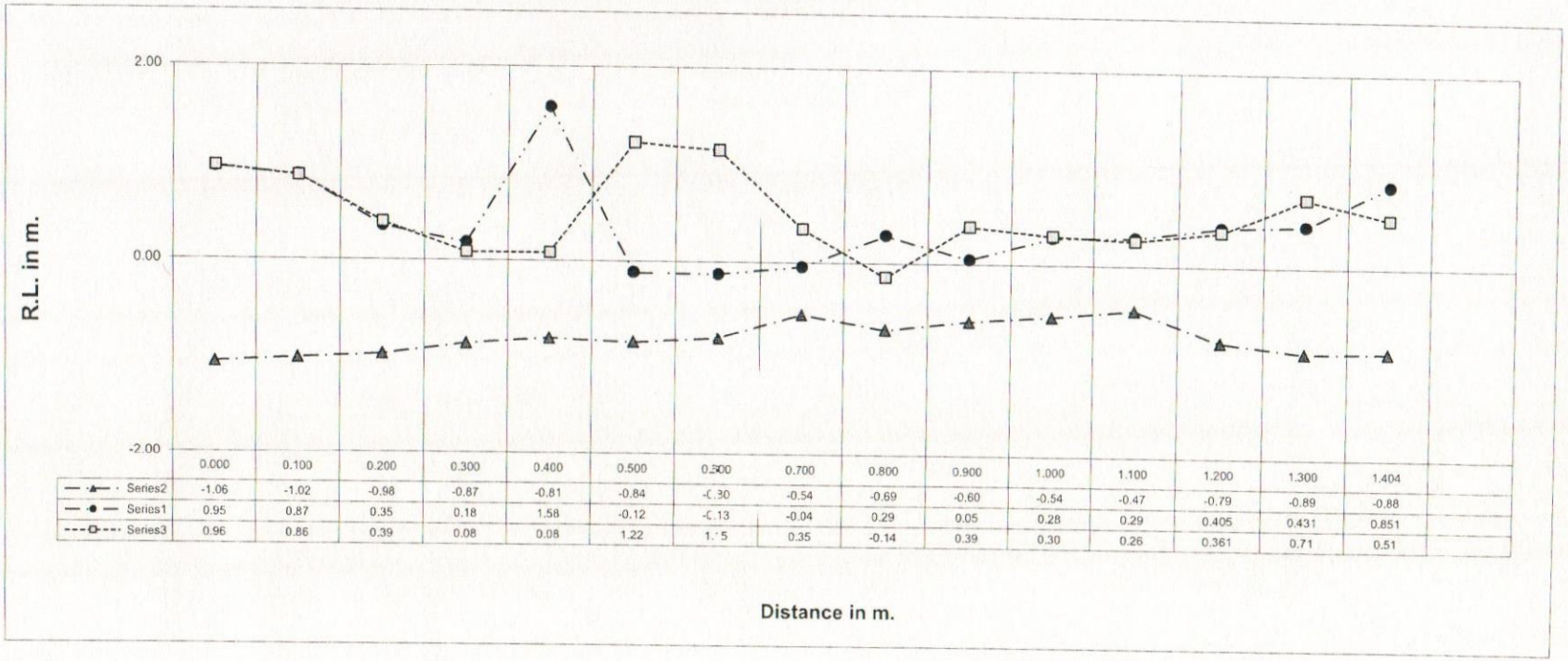
Sketch Map for Re-excavation of Doapura khal-1 from km. 0.000 to km. 1.404 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch. Long Section of Doapura khal-1

Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.404
C/L R.L.	-1.06	-1.02	-0.98	-0.87	-0.81	-0.84	-0.80	-0.54	-0.69	-0.60	-0.54	-0.47	-0.79	-0.89	-0.88
L/BR.L.	0.95	0.87	0.35	0.18	1.58	-0.12	-0.13	-0.04	0.29	0.05	0.28	0.29	0.405	0.431	0.851
R/B R.L.	0.96	0.86	0.39	0.08	0.08	1.22	1.15	0.35	-0.14	0.39	0.30	0.26	0.361	0.71	0.51

Long Section for re-excavation of Doapura khal-1



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.404
Series2	-1.06	-1.02	-0.98	-0.87	-0.81	-0.84	-0.80	-0.54	-0.69	-0.60	-0.54	-0.47	-0.79	-0.89	-0.88
Series1	0.95	0.87	0.35	0.18	1.58	-0.12	-0.13	-0.04	0.29	0.05	0.28	0.29	0.405	0.431	0.851
Series3	0.96	0.86	0.39	0.08	0.08	1.22	1.15	0.35	-0.14	0.39	0.30	0.26	0.361	0.71	0.51

BANGLADESH WATER DEVELOPMENT BOARD

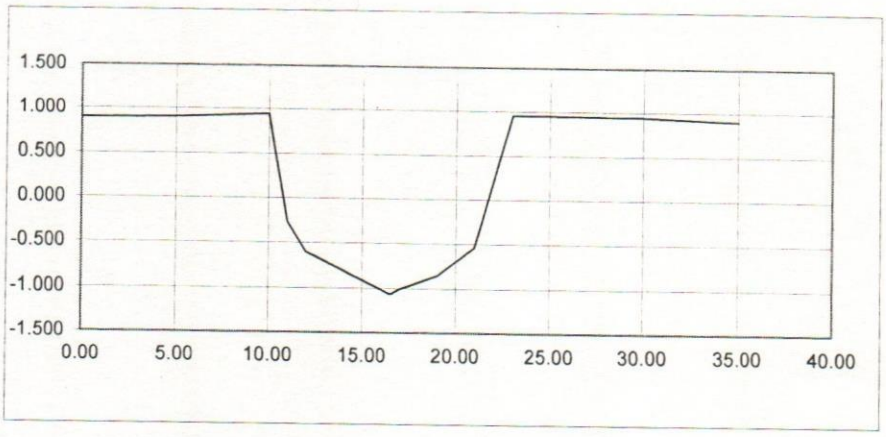
Long Section for Re-excavation of Doapura khal-1 from km. 0.000 to km. 1.404 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	Sadiur 30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Doapura khal-1 from km. 0.000 to km. 1.404 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

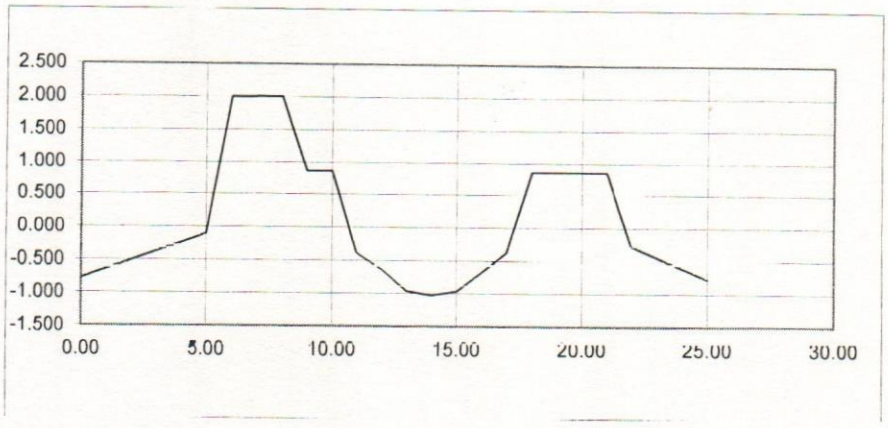
X - Section at km. 0.000

0.00	0.893	River bank
5.00	0.903	
10.00	0.948	LB
11.00	-0.257	
12.00	-0.603	
14.00	-0.803	
16.00	-1.004	
16.50	-1.063	
17.00	-1.003	
19.00	-0.852	
21.00	-0.536	
23.00	0.958	RB
30.00	0.948	
35.00	0.903	River bank



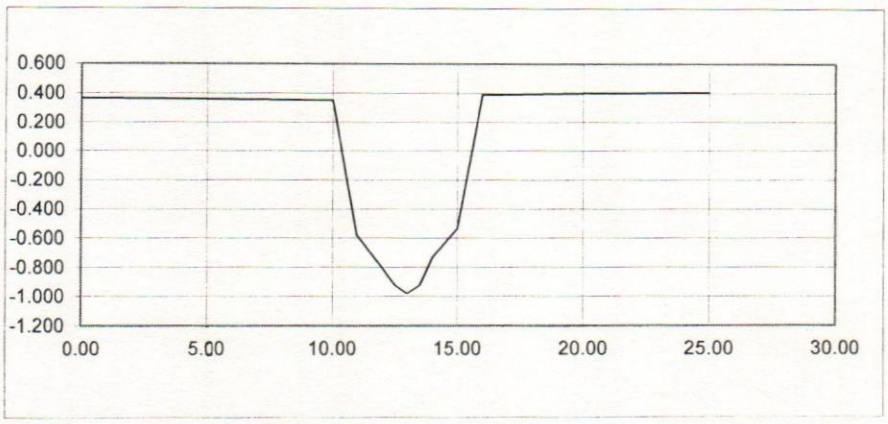
X - Section at km. 0.100

0.00	-0.776	Fisheries
3.00	-0.371	
5.00	-0.106	LB
6.00	2.001	
8.00	2.009	
9.00	0.868	
10.00	0.869	
11.00	-0.386	
12.00	-0.632	
13.00	-0.958	
14.00	-1.021	
15.00	-0.962	
16.00	-0.682	
17.00	-0.371	
18.00	0.864	RB
21.00	0.859	
22.00	-0.271	
25.00	-0.771	Ditch



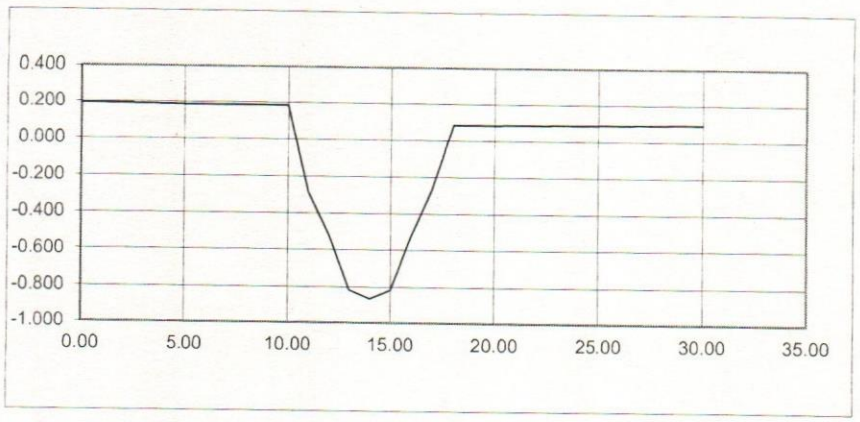
X - Section at km. 0.200

0.00	0.367	Paddy land
5.00	0.362	
10.00	0.352	LB
11.00	-0.578	
12.00	-0.799	
12.50	-0.920	
13.00	-0.978	
13.50	-0.923	
14.00	-0.730	
15.00	-0.534	
16.00	0.392	RB
20.00	0.402	
25.00	0.406	Paddy land



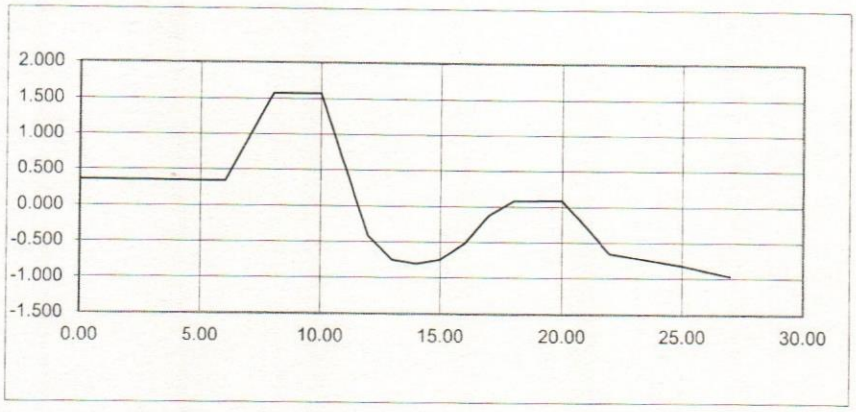
X - Section at km. 0.300

0.00	0.193	Paddy land
5.00	0.186	
10.00	0.183	LB
11.00	-0.281	
12.00	-0.517	
13.00	-0.816	
14.00	-0.866	
15.00	-0.817	
16.00	-0.518	
17.00	-0.266	
18.00	0.083	RB
25.00	0.089	
30.00	0.094	Paddy land



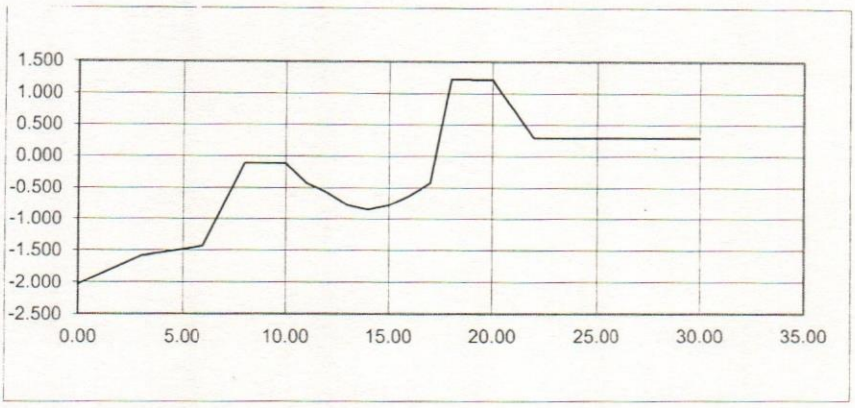
X - Section at km. 0.400

0.00	0.359	Paddy land
3.00	0.353	
6.00	0.344	LB
8.00	1.574	
10.00	1.579	
12.00	-0.417	
13.00	-0.751	
14.00	-0.806	
15.00	-0.747	
16.00	-0.518	
17.00	-0.122	RB
18.00	0.083	
20.00	0.089	
22.00	-0.656	
25.00	-0.817	
27.00	-0.966	Ditch



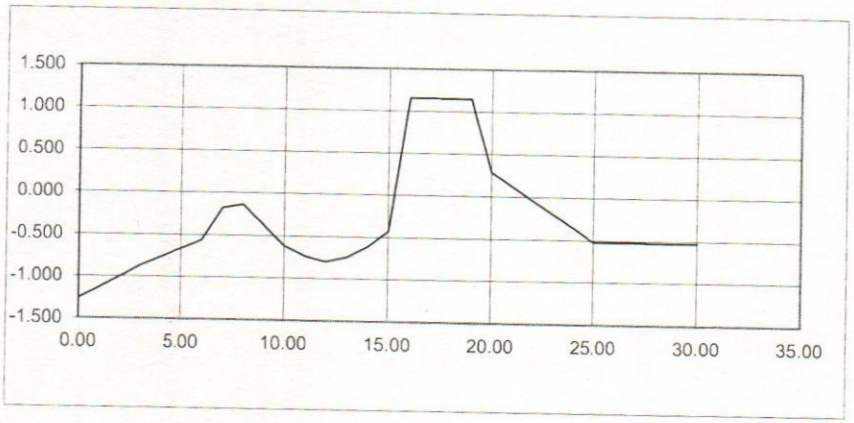
X - Section at km. 0.500

0.00	-2.026	Ditch
3.00	-1.581	
6.00	-1.426	LB
8.00	-0.118	
10.00	-0.116	
11.00	-0.431	
12.00	-0.581	
13.00	-0.778	
14.00	-0.842	
15.00	-0.777	
16.00	-0.626	
17.00	-0.426	
18.00	1.224	RB
20.00	1.214	
22.00	0.288	
30.00	0.294	Paddy land



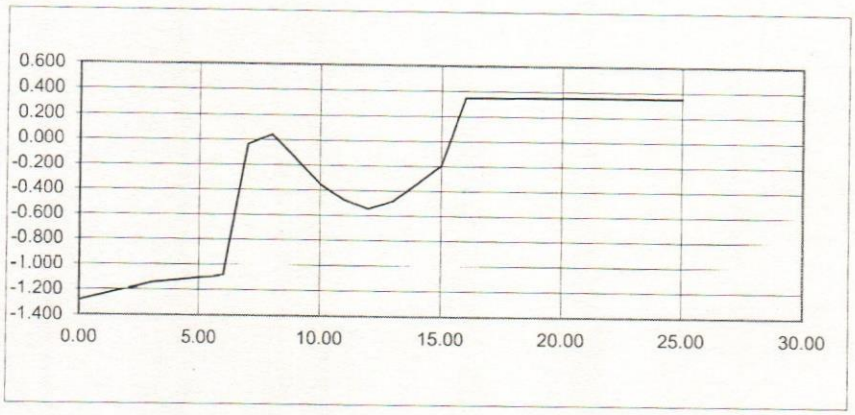
X - Section at km. 0.600

0.00	-1.266	Ditch
3.00	-0.866	
6.00	-0.566	LB
7.00	-0.176	
8.00	-0.127	
9.00	-0.376	
10.00	-0.617	
11.00	-0.736	
12.00	-0.796	
13.00	-0.742	
14.00	-0.618	
15.00	-0.427	
16.00	1.154	RB
19.00	1.149	
20.00	0.299	
25.00	-0.521	
30.00	-0.526	Paddy land



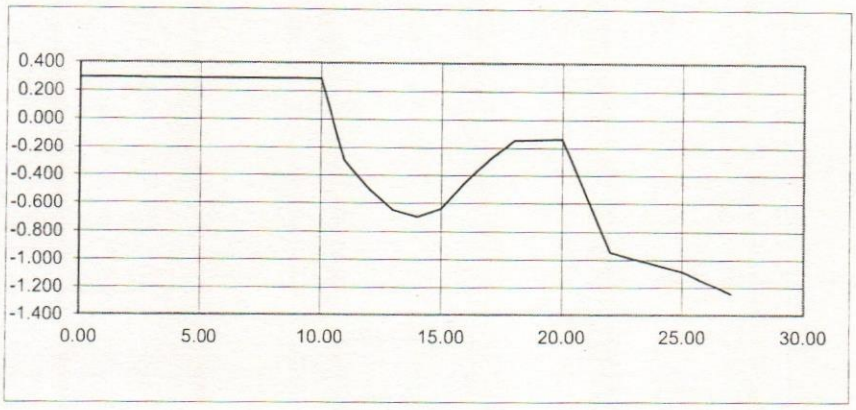
X - Section at km. 0.700

0.00	-1.282	Ditch
3.00	-1.143	
6.00	-1.082	LB
7.00	-0.037	
8.00	0.043	
9.00	-0.148	
10.00	-0.352	
11.00	-0.472	
12.00	-0.542	
13.00	-0.482	
14.00	-0.343	
15.00	-0.192	
16.00	0.348	RB
20.00	0.353	
25.00	0.358	Paddy land



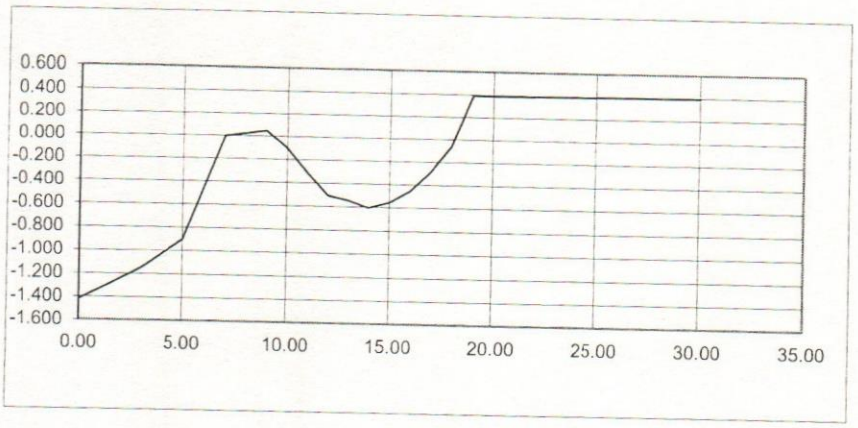
X - Section at km. 0.800

0.00	0.298	Paddy land
5.00	0.293	
10.00	0.288	LB
11.00	-0.292	
12.00	-0.493	
13.00	-0.642	
14.00	-0.692	
15.00	-0.633	
16.00	-0.442	
17.00	-0.282	
18.00	-0.143	RB
20.00	-0.133	
22.00	-0.943	
25.00	-1.082	
27.00	-1.243	Ditch



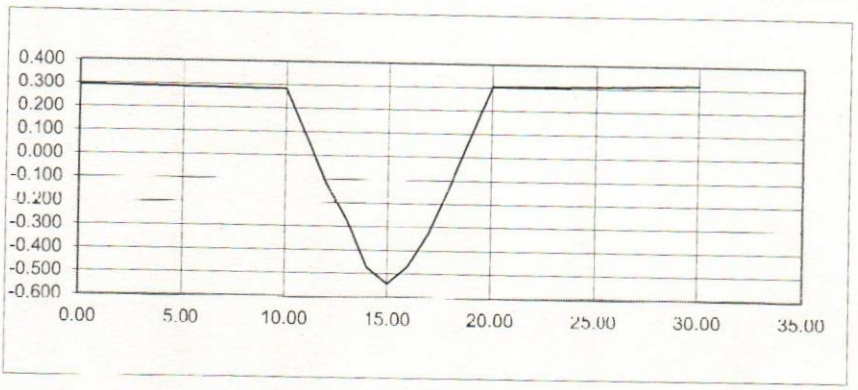
X - Section at km. 0.900

0.00	-1.421	Ditch
3.00	-1.152	
5.00	-0.901	LB
7.00	-0.001	
9.00	0.048	
10.00	-0.096	
11.00	-0.306	
12.00	-0.501	
13.00	-0.541	
14.00	-0.601	
15.00	-0.551	RB
16.00	-0.452	
17.00	-0.281	
18.00	-0.052	
19.00	0.389	
25.00	0.394	
30.00	0.397	Paddy land



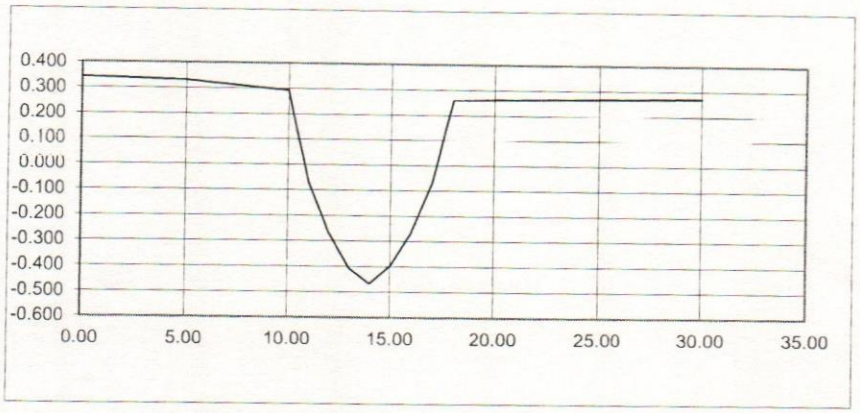
X - Section at km. 1.000

0.00	0.294	Paddy land
5.00	0.289	
10.00	0.284	LB
12.00	-0.116	
13.00	-0.267	
14.00	-0.472	
15.00	-0.542	
16.00	-0.467	
17.00	-0.321	
18.00	-0.124	
20.00	0.304	RB
25.00	0.309	
30.00	0.319	Paddy land



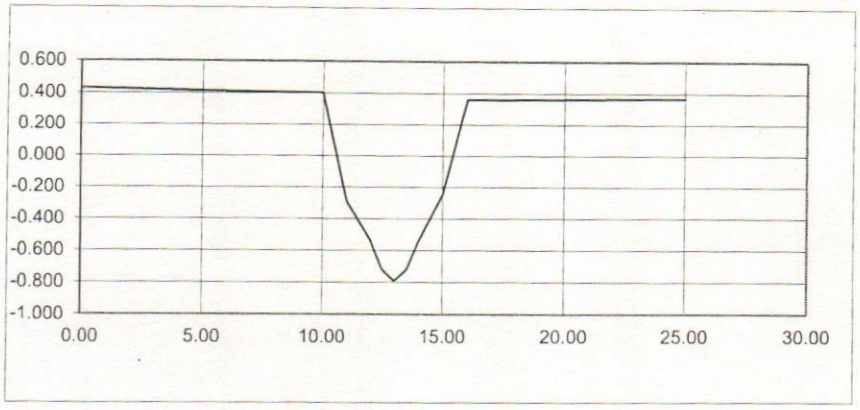
X - Section at km. 1.100

0.00	0.343	Paddy land
5.00	0.333	
10.00	0.294	LB
11.00	-0.067	
12.00	0.267	
13.00	-0.406	
14.00	-0.466	
15.00	-0.397	
16.00	-0.268	
17.00	-0.068	
18.00	0.259	RB
20.00	0.264	
25.00	0.269	Paddy land
30.00	0.274	



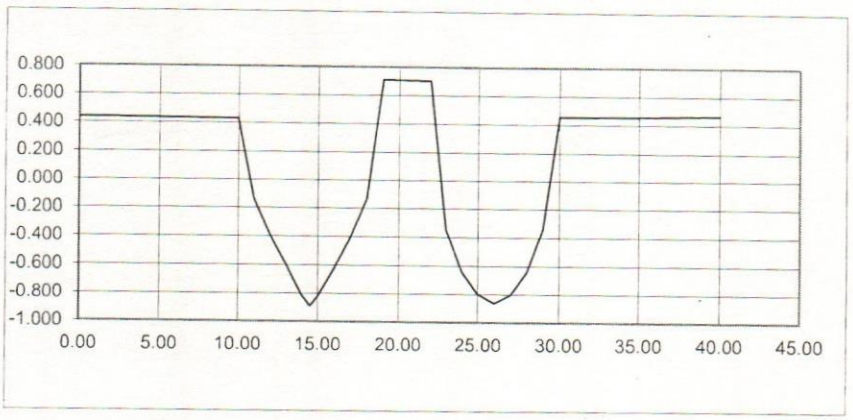
X - Section at km. 1.200

0.00	0.431	Paddy land
5.00	0.416	
10.00	0.405	LB
11.00	-0.290	
12.00	-0.534	
12.50	-0.719	
13.00	-0.790	
13.50	-0.724	
14.00	-0.539	
15.00	-0.244	
16.00	0.361	RB
20.00	0.366	
25.00	0.371	Paddy land



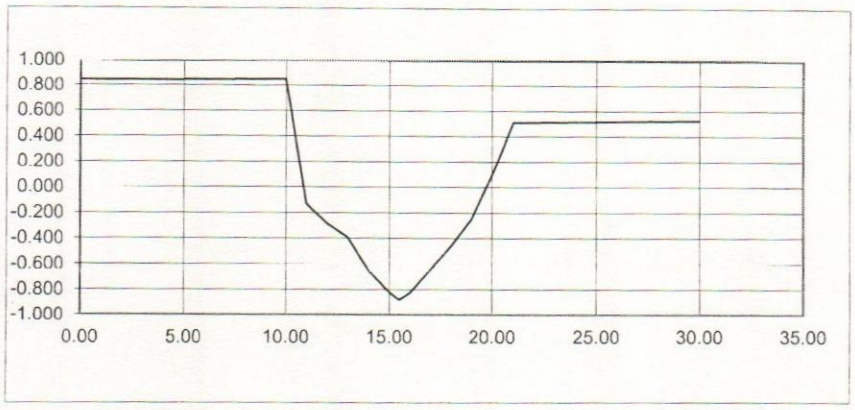
X - Section at km. 1.300

0.00	0.441	Paddy land
5.00	0.436	
10.00	0.431	
11.00	-0.129	LB
12.00	-0.390	
13.00	-0.595	
14.00	-0.819	
14.50	-0.890	
15.00	-0.820	
16.00	-0.619	
17.00	-0.404	
18.00	-0.129	
19.00	0.710	
22.00	0.701	
23.00	-0.344	
24.00	-0.644	
25.00	-0.799	
26.00	-0.864	
27.00	-0.804	
28.00	-0.639	
29.00	-0.339	
30.00	0.456	RB
35.00	0.461	
40.00	0.471	



X - Section at km. 1.404

0.00	0.841	Paddy land
5.00	0.846	
10.00	0.851	LB
11.00	-0.129	
12.00	-0.284	
13.00	-0.390	
14.00	-0.649	
15.00	-0.819	
15.50	-0.880	
16.00	-0.824	
17.00	-0.644	
18.00	-0.454	
19.00	-0.244	
20.00	0.100	
21.00	0.510	RB
25.00	0.516	
30.00	0.526	Paddy land



(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

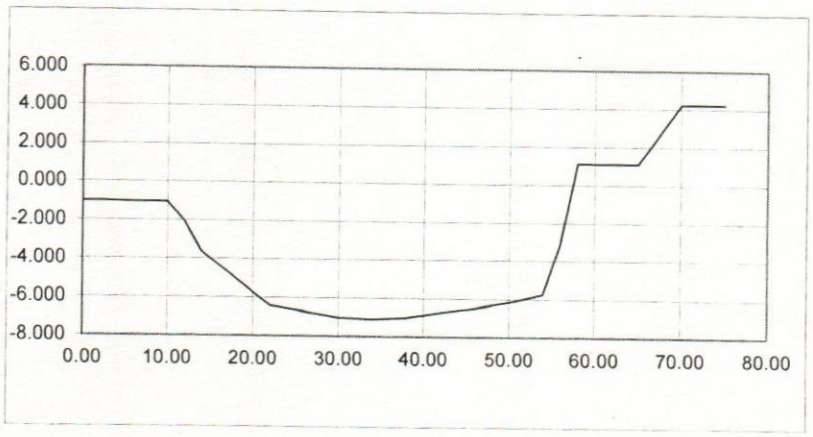
30/10/24
(Mohammad Zahir Mashar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

Sadiur 30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Outfall khal **(Chatkhali river)** Re-excavation of Doapura khal-1 from km. 0.000 to km. 1.404 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

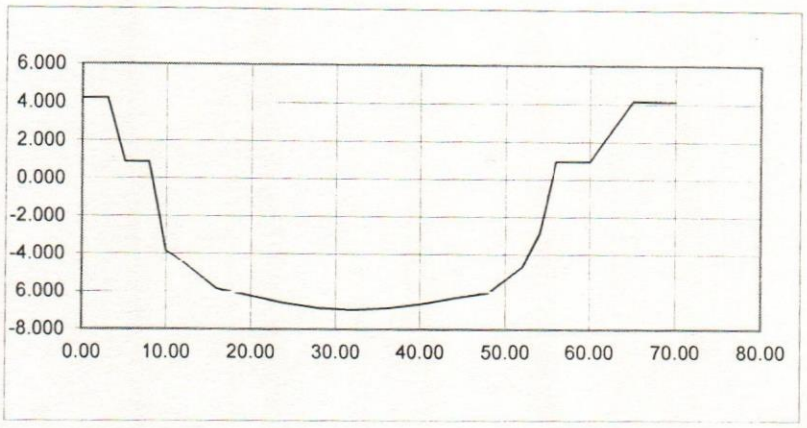
Cross section of Chatkhali river along the Doapura khal-1

0.00	-1.005	Khal
3.00	-1.035	
5.00	-1.044	
10.00	-1.065	LB
12.00	-2.047	
14.00	-3.642	
18.00	-5.042	
22.00	-6.407	
26.00	-6.703	
30.00	-7.004	
34.00	-7.090	
38.00	-6.993	
42.00	-6.718	
46.00	-6.452	
50.00	-6.142	
54.00	-5.742	
56.00	-3.107	
58.00	1.128	RB
65.00	1.118	
70.00	4.238	
75.00	4.230	BC road



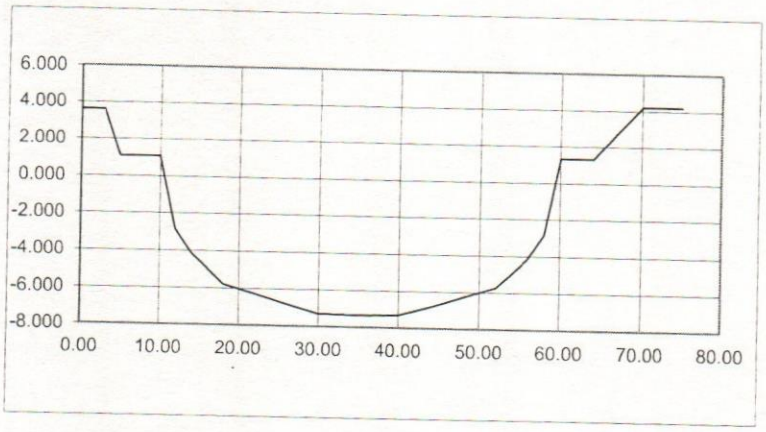
Cross section of Singharkul khal 50m US from meeting point of Silna-Shir khal

0.00	4.228	HBB road
3.00	4.232	
5.00	0.892	
8.00	0.888	LB
10.00	-3.842	
12.00	-4.442	
16.00	-5.842	
20.00	-6.242	
24.00	-6.603	
28.00	-6.882	
32.00	-6.960	
36.00	-6.877	
40.00	-6.657	
44.00	-6.327	
48.00	-6.042	
52.00	-4.642	
54.00	-2.842	
56.00	0.997	RB
60.00	1.003	
65.00	4.158	
70.00	4.163	BC road



Cross section of Singharkul khal 50m DS from meeting point of Silna-Shir khal

0.00	3.628	Home stead
3.00	3.623	
5.00	1.107	LB
10.00	1.097	
12.00	-2.852	
14.00	-4.142	
18.00	-5.752	
22.00	-6.277	
26.00	-6.803	
30.00	-7.283	
35.00	-7.342	
40.00	-7.280	
44.00	-6.816	
48.00	-6.257	
52.00	-5.703	
56.00	-4.157	
58.00	-2.857	
60.00	1.358	RB
64.00	1.342	
70.00	4.197	
75.00	4.193	BC road



30/10/24
(Md. Shfiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
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BWDB, Gopalganj.

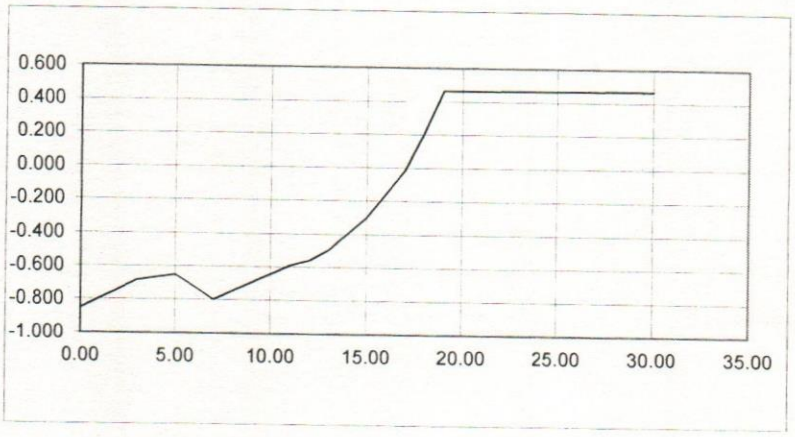
30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Offtake Khal **(Aria khal)** Re-excavation of Doapura khal-1 from km. 0.000 to km. 1.404 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

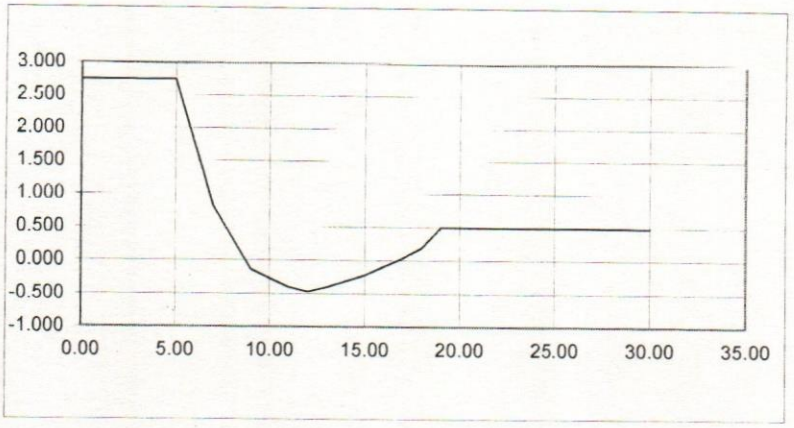
Cross section of Aria khal along the Doapura khal-1

	Pre-work	Khal
0.00	-0.851	
3.00	-0.685	
5.00	-0.650	LB
7.00	-0.799	
9.00	-0.696	
11.00	-0.591	
12.00	-0.560	
13.00	-0.496	
15.00	-0.297	
17.00	-0.015	
18.00	0.211	
19.00	0.465	RB
25.00	0.468	
30.00	0.472	Paddy land



Cross section of Aria khal 50m DS from meeting point of Doapura khal-1

0.00	2.748	BC road
3.00	2.746	
5.00	2.745	
7.00	0.818	
9.00	-0.135	LB
11.00	-0.390	
12.00	-0.462	
13.00	-0.392	
15.00	-0.215	
17.00	0.039	
18.00	0.195	
19.00	0.496	
25.00	0.498	RB
30.00	0.501	Paddy land



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
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30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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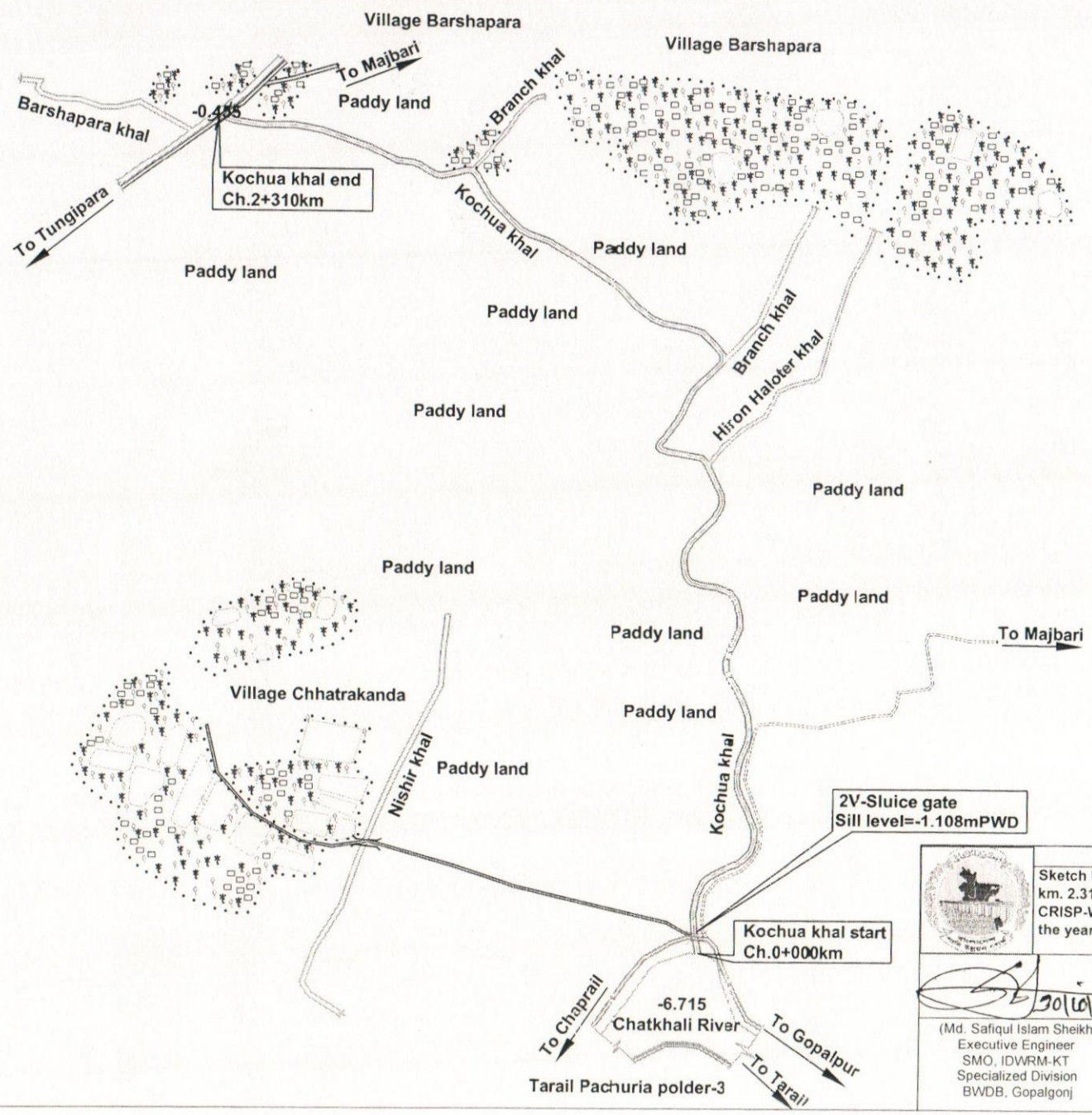
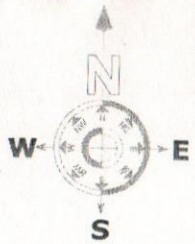
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Church , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

Bangladesh Water Development Board

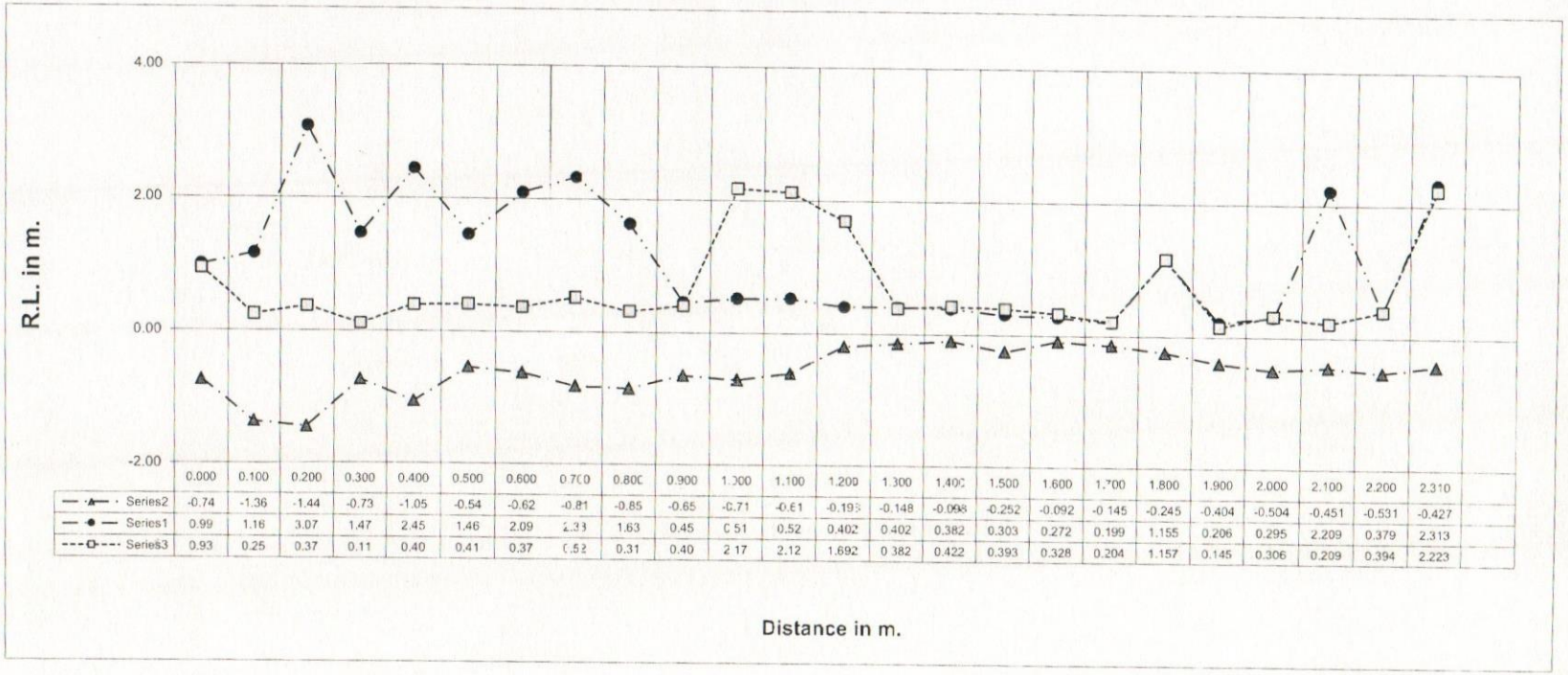
Sketch Map for Re-excavation of Kochua khal from km. 0.000 to km. 2.310 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch. Long Section of Kochua khal

Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.310
C/L R.L.	-0.74	-1.36	-1.44	-0.73	-1.05	-0.54	-0.62	-0.81	-0.85	-0.65	-0.71	-0.61	-0.198	-0.148	-0.1	-0.25	-0.092	-0.145	-0.245	-0.404	-0.504	-0.451	-0.531	-0.427
L/BR.L.	0.99	1.16	3.07	1.47	2.45	1.46	2.09	2.33	1.63	0.45	0.51	0.52	0.402	0.402	0.38	0.303	0.272	0.199	1.155	0.206	0.295	2.209	0.379	2.313
R/B R.L.	0.93	0.25	0.37	0.11	0.40	0.41	0.37	0.52	0.31	0.40	2.17	2.12	1.692	0.382	0.42	0.393	0.328	0.204	1.157	0.145	0.306	0.209	0.394	2.223

Long Section for re-excavation of Kochua khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.310
Series2	-0.74	-1.36	-1.44	-0.73	-1.05	-0.54	-0.62	-0.81	-0.85	-0.65	-0.71	-0.61	-0.198	-0.148	-0.098	-0.252	-0.092	-0.145	-0.245	-0.404	-0.504	-0.451	-0.531	-0.427
Series1	0.99	1.16	3.07	1.47	2.45	1.46	2.09	2.33	1.63	0.45	0.51	0.52	0.402	0.402	0.382	0.303	0.272	0.199	1.155	0.206	0.295	2.209	0.379	2.313
Series3	0.93	0.25	0.37	0.11	0.40	0.41	0.37	0.52	0.31	0.40	2.17	2.12	1.692	0.382	0.422	0.393	0.328	0.204	1.157	0.145	0.306	0.209	0.394	2.223

BANGLADESH WATER DEVELOPMENT BOARD

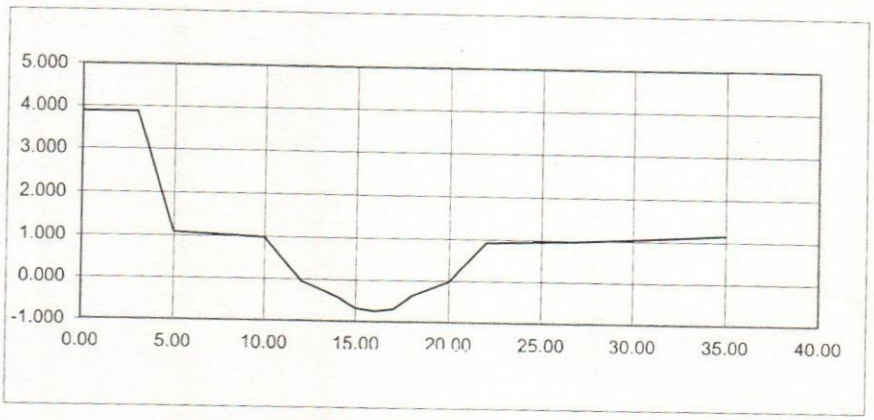
Long Section for Re-excavation of Kochua khal from km. 0.000 to km. 2.310 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Kochua khal from km. 0.000 to km. 2.310 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

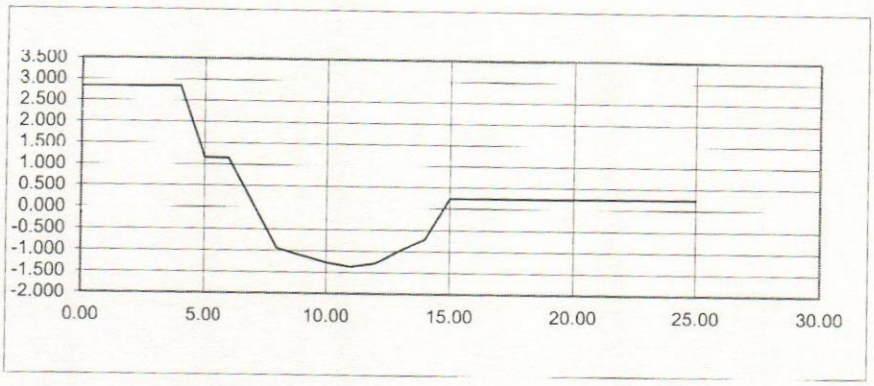
X - Section at km. 0.000

0.00	3.881	HBB road
3.00	3.884	
5.00	1.099	
10.00	0.989	LB
12.00	-0.036	
14.00	-0.411	
15.00	-0.677	
16.00	-0.741	CL
17.00	-0.686	
18.00	-0.362	
20.00	-0.011	
22.00	0.929	RB
27.00	0.989	
30.00	1.044	
35.00	1.169	Road side



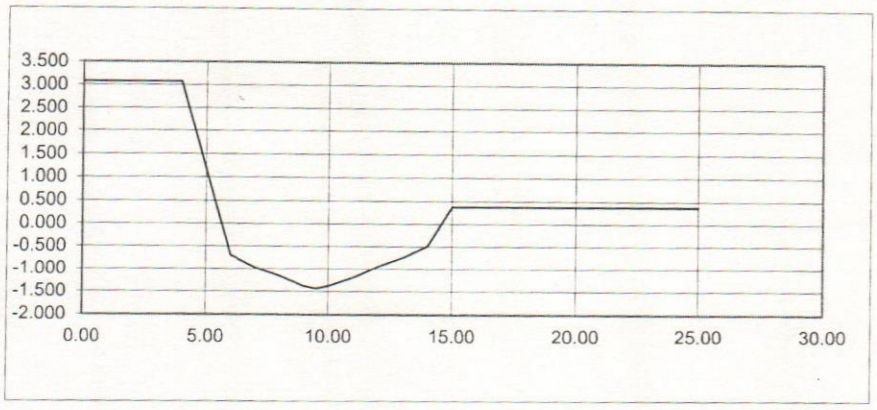
X - Section at km. 0.100

0.00	2.837	HBB road
4.00	2.846	
5.00	1.176	
6.00	1.156	LB
8.00	-0.949	
10.00	-1.275	
11.00	-1.364	CL
12.00	-1.289	
13.00	-0.980	
14.00	-0.714	
15.00	0.246	RB
20.00	0.251	
25.00	0.256	Paddy land



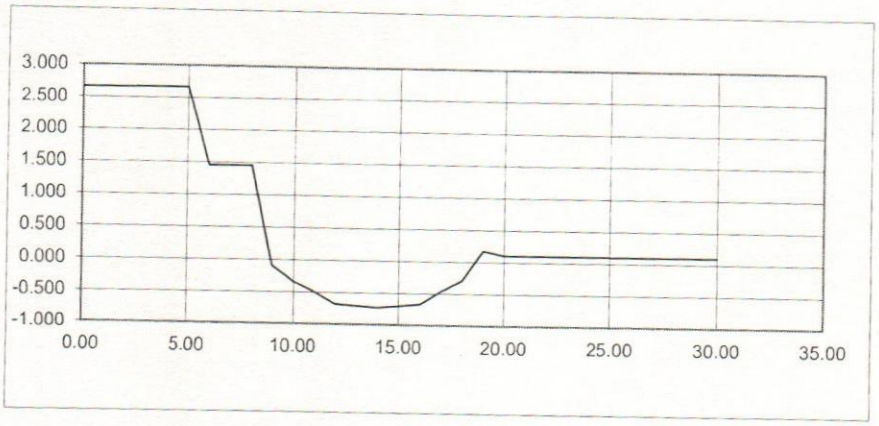
X - Section at km. 0.200

0.00	3.077	HBB road
4.00	3.073	LB
6.00	-0.692	
7.00	-0.968	
8.00	-1.153	
9.00	-1.384	
9.50	-1.442	CL
10.00	-1.383	
11.00	-1.192	
12.00	-0.958	
13.00	-0.753	
14.00	-0.492	
15.00	0.368	RB
20.00	0.373	
25.00	0.378	Paddy land



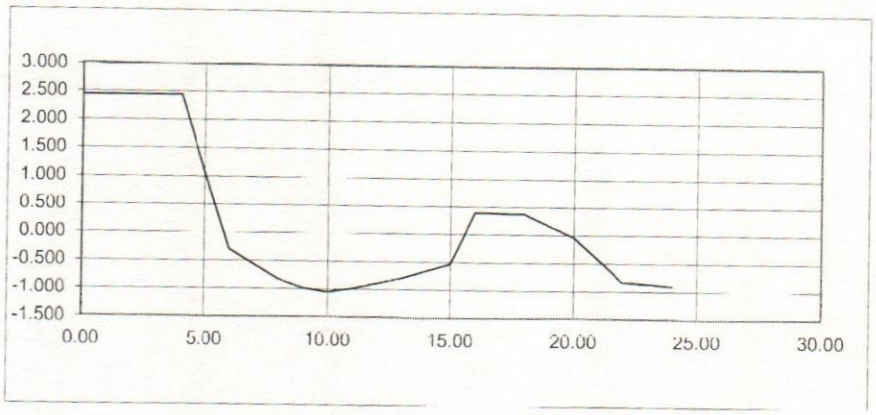
X - Section at km. 0.300

0.00	2.661	HBB road
5.00	2.671	
6.00	1.461	
8.00	1.466	LB
9.00	-0.089	
10.00	-0.339	
11.00	-0.490	
12.00	-0.680	
14.00	-0.729	CL
16.00	-0.674	
17.00	-0.459	
18.00	-0.290	
19.00	0.179	
20.00	0.111	RB
25.00	0.106	
30.00	0.101	Paddy land



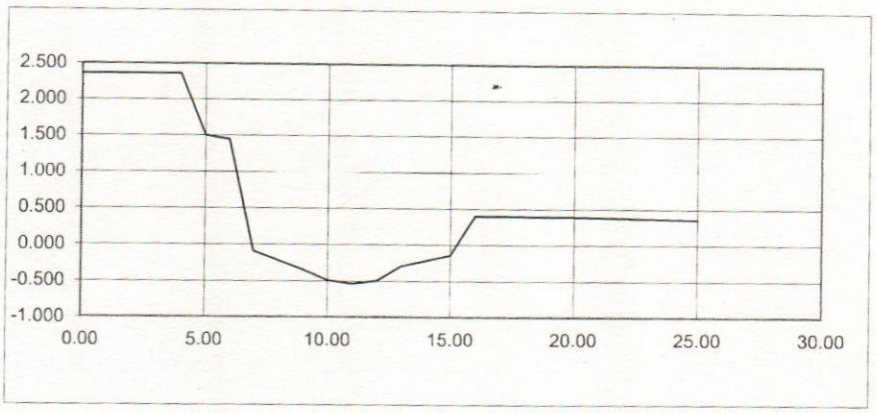
X - Section at km. 0.400

0.00	2.441	HBB road
4.00	2.446	LB
6.00	-0.299	
8.00	-0.834	
9.00	-0.989	
10.00	-1.050	CL
11.00	-0.990	
13.00	-0.795	
15.00	-0.534	
16.00	0.396	
18.00	0.381	
20.00	-0.034	
22.00	-0.834	RB
24.00	-0.895	HBB road



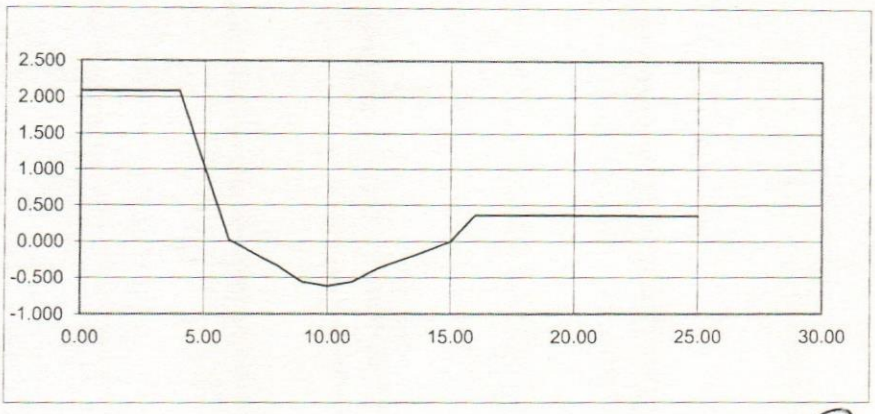
X - Section at km. 0.500

0.00	2.352	HBB road
4.00	2.355	LB
5.00	1.504	
6.00	1.455	
7.00	-0.085	
9.00	-0.345	
10.00	-0.488	
11.00	-0.540	CL
12.00	-0.490	
13.00	-0.291	
15.00	-0.140	
16.00	0.409	RB
20.00	0.400	
25.00	0.360	Paddy land



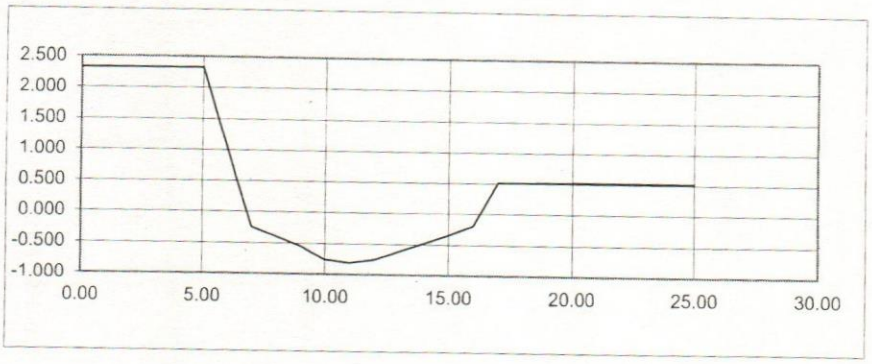
X - Section at km. 0.600

0.00	2.085	HBB road
4.00	2.090	LB
6.00	0.020	
8.00	-0.331	
9.00	-0.562	
10.00	-0.620	CL
11.00	-0.561	
12.00	-0.380	
14.00	-0.131	
15.00	0.000	
16.00	0.370	RB
20.00	0.365	
25.00	0.355	Paddy land



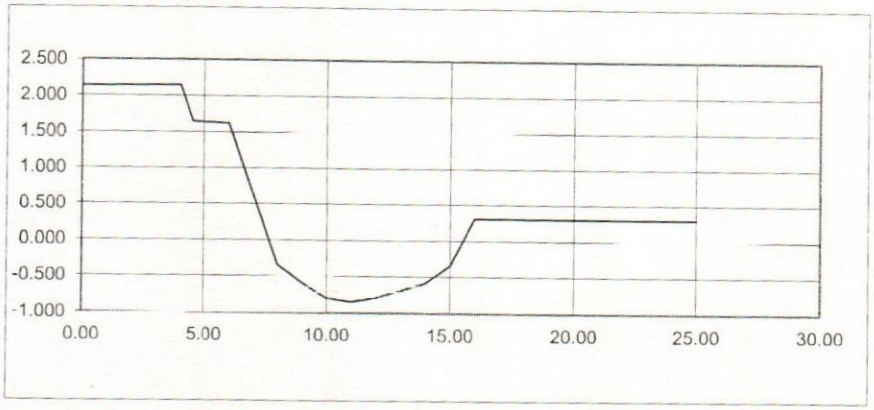
X - Section at km. 0.700

0.00	2.321	HBB road
5.00	2.326	LB
7.00	-0.245	
9.00	-0.550	
10.00	-0.759	
11.00	-0.814	CL
12.00	-0.754	
13.00	-0.614	
15.00	-0.345	
16.00	-0.194	
17.00	0.516	RB
20.00	0.525	
25.00	0.531	Ditch bank



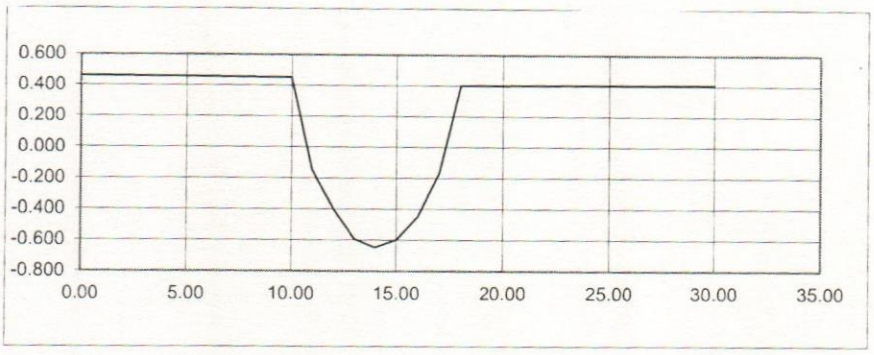
X - Section at km. 0.800

0.00	2.144	Paddy land
4.00	2.154	LB
4.50	1.654	
6.00	1.629	
8.00	-0.346	
9.00	-0.591	
10.00	-0.797	
11.00	-0.846	CL
12.00	-0.794	
14.00	-0.586	
15.00	-0.346	
16.00	0.314	RB
20.00	0.309	
25.00	0.304	Paddy land



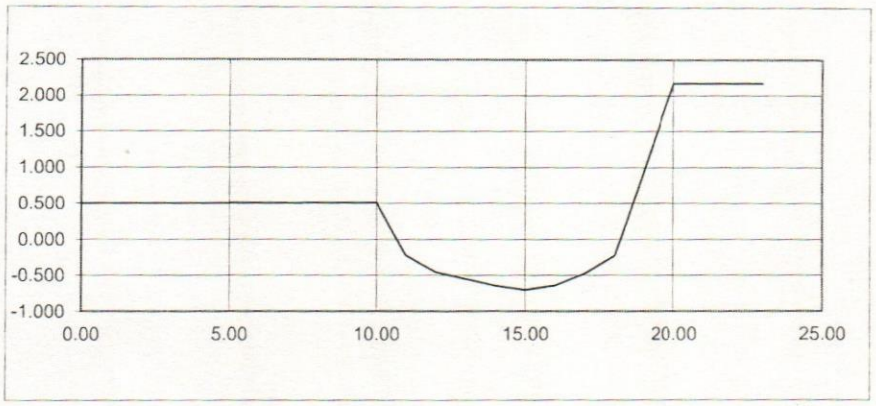
X - Section at km. 0.900

0.00	0.462	Paddy land
5.00	0.459	
10.00	0.452	LB
11.00	-0.148	
12.00	-0.399	
13.00	-0.593	
14.00	-0.648	CL
15.00	-0.598	
16.00	-0.448	
17.00	-0.168	
18.00	0.401	RB
25.00	0.407	
30.00	0.412	Paddy land



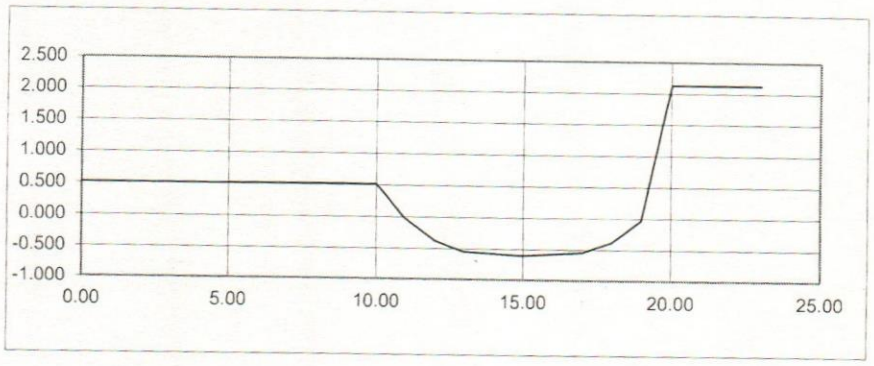
X - Section at km. 1.000

0.00	0.498	Paddy land
5.00	0.503	
10.00	0.513	LB
11.00	-0.227	
12.00	-0.458	
14.00	-0.652	
15.00	-0.707	CL
16.00	-0.647	
17.00	-0.477	
18.00	-0.228	
20.00	2.174	RB
23.00	2.173	HBB road



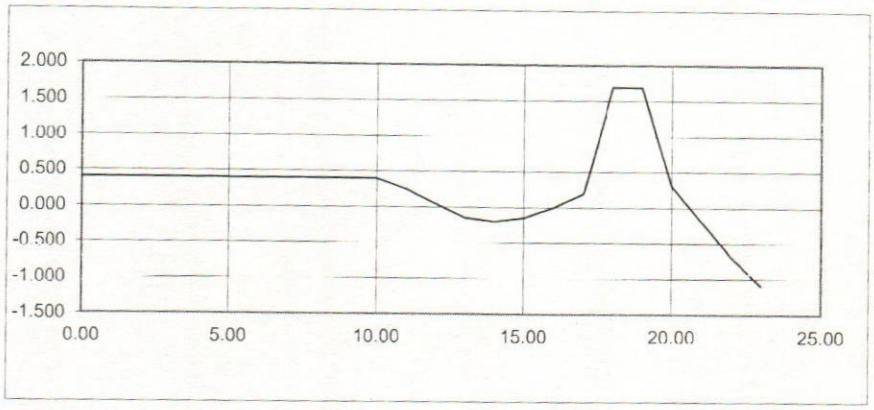
X - Section at km. 1.100

0.00	0.513	Paddy land
5.00	0.518	
10.00	0.523	LB
11.00	-0.028	
12.00	-0.377	
13.00	-0.552	
15.00	-0.607	CL
17.00	-0.548	
18.00	-0.387	
19.00	-0.033	
20.00	2.123	RB
23.00	2.118	HBB road



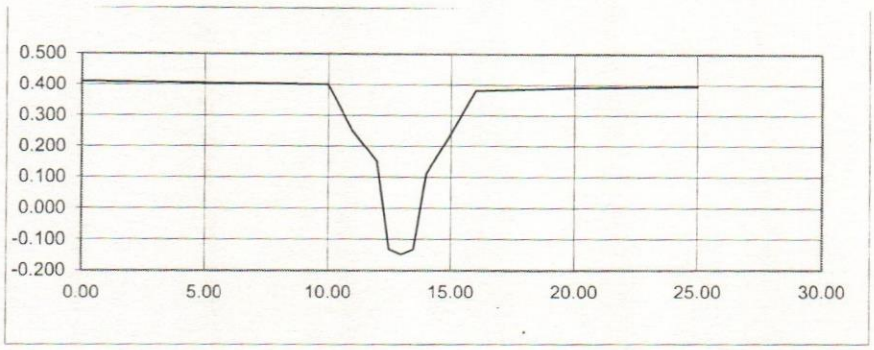
X - Section at km. 1.200

0.00	0.412	Paddy land
5.00	0.407	
10.00	0.402	LB
11.00	0.252	
12.00	0.046	
13.00	-0.145	
14.00	-0.198	CL
15.00	-0.143	
16.00	0.002	
17.00	0.202	
18.00	1.692	RB
19.00	1.687	
20.00	0.312	
22.00	-0.688	
23.00	-1.088	Ditch



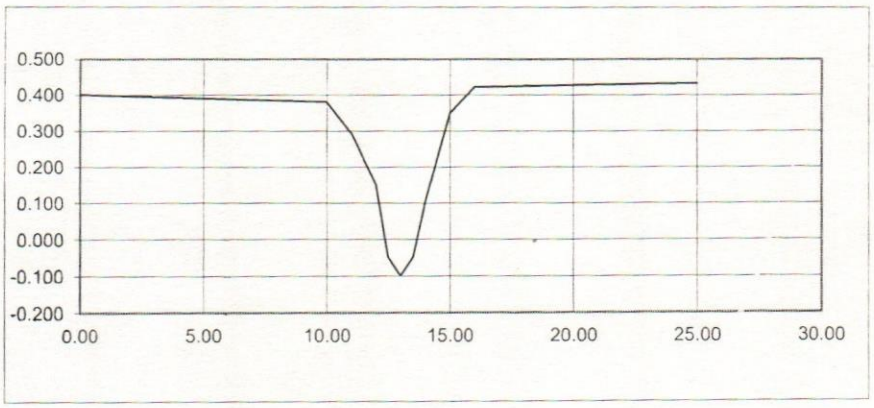
X - Section at km. 1.300

0.00	0.412	Paddy land
5.00	0.407	
10.00	0.402	LB
11.00	0.251	
12.00	0.151	
12.50	-0.131	
13.00	-0.148	CL
13.50	-0.132	
14.00	0.112	
15.00	0.242	
16.00	0.382	RB
20.00	0.392	
25.00	0.397	Paddy land



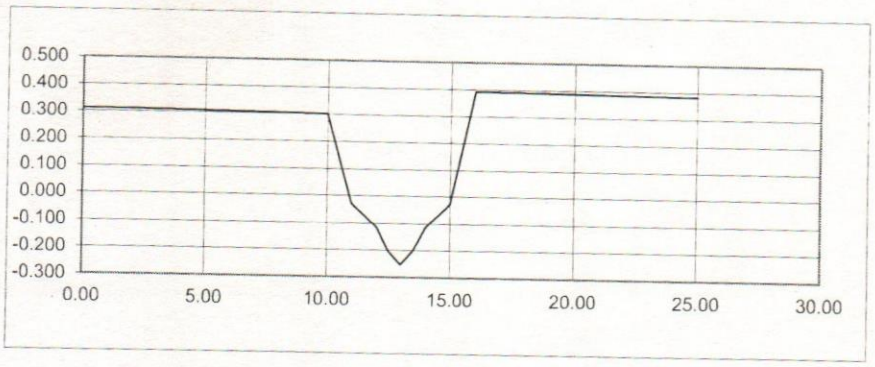
X - Section at km. 1.400

0.00	0.402	Paddy land
5.00	0.392	
10.00	0.382	LB
11.00	0.292	
12.00	0.151	
12.50	-0.048	
13.00	-0.098	CL
13.50	-0.049	
14.00	0.102	
15.00	0.351	
16.00	0.422	RB
20.00	0.427	
25.00	0.432	Paddy land



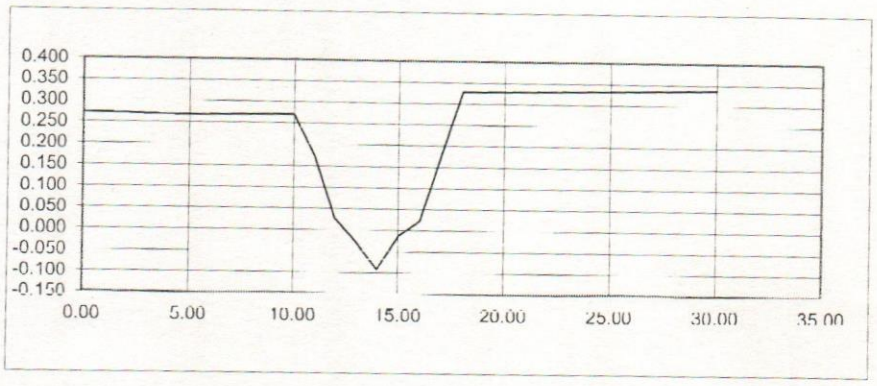
X - Section at km. 1.500

0.00	0.313	Paddy land
5.00	0.308	
10.00	0.303	LB
11.00	-0.028	
12.00	-0.113	
12.50	-0.203	
13.00	-0.252	CL
13.50	-0.202	
14.00	-0.113	
15.00	-0.027	
16.00	0.393	RB
20.00	0.388	
25.00	0.383	Paddy land



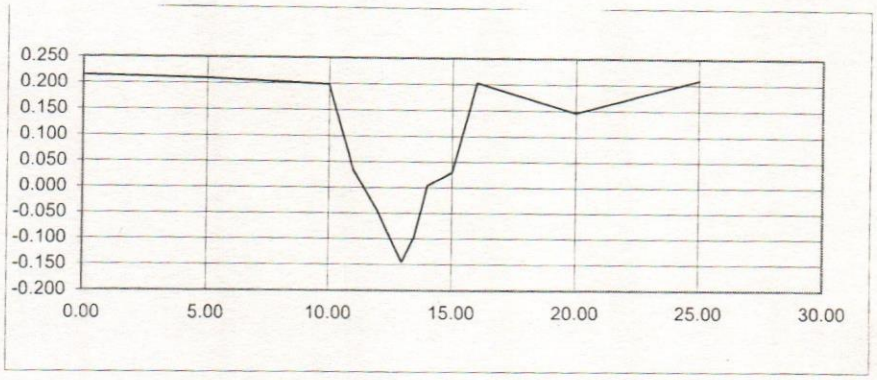
X - Section at km. 1.600

0.00	0.273	Paddy land
5.00	0.268	
10.00	0.272	LB
11.00	0.176	
12.00	0.028	
13.00	0.027	
14.00	-0.092	CL
15.00	-0.013	
16.00	0.023	
17.00	0.177	
18.00	0.328	RB
25.00	0.333	
30.00	0.338	Paddy land



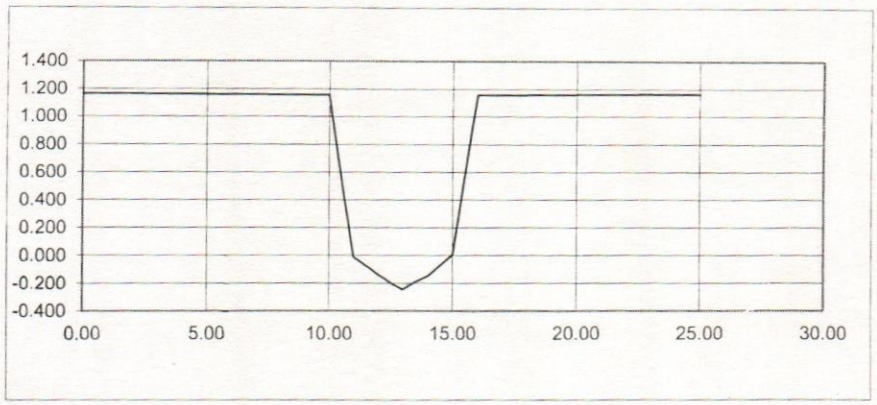
X - Section at km. 1.700

0.00	0.215	Paddy land
5.00	0.210	
10.00	0.199	LB
11.00	0.036	
12.00	-0.045	
12.50	-0.096	
13.00	-0.145	CL
13.50	-0.097	
14.00	0.004	
15.00	0.030	
16.00	0.204	RB
20.00	0.147	
25.00	0.210	Paddy land



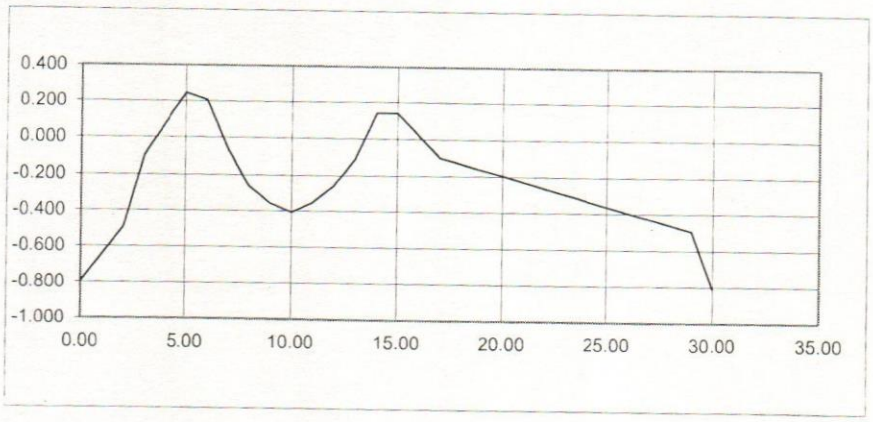
X - Section at km. 1.800

0.00	1.165	Paddy land
5.00	1.160	
10.00	1.155	LB
11.00	-0.010	
12.00	-0.135	
12.50	-0.195	
13.00	-0.245	CL
13.50	-0.190	
14.00	-0.150	
15.00	0.005	
16.00	1.157	RB
20.00	1.160	
25.00	1.165	Paddy land



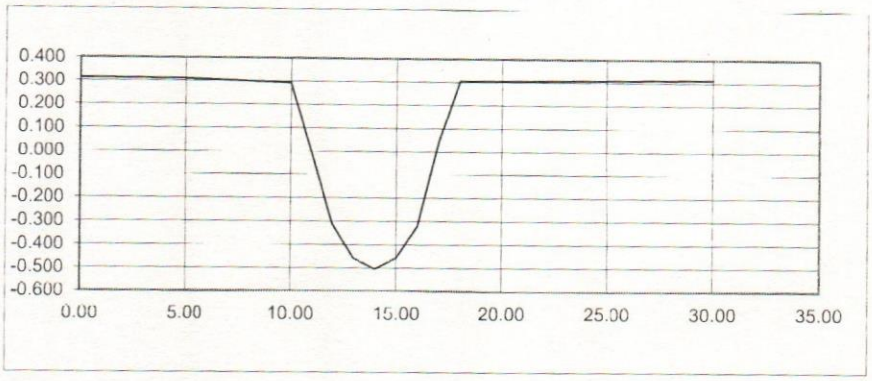
X - Section at km. 1.900

0.00	-0.794	Ditch
2.00	-0.494	
3.00	-0.094	
5.00	0.245	
6.00	0.206	LB
7.00	-0.055	
8.00	-0.260	
9.00	-0.355	
10.00	-0.404	
11.00	-0.352	CL
12.00	-0.259	
13.00	-0.104	
14.00	0.145	RB
15.00	0.144	
17.00	-0.094	
29.00	-0.494	
30.00	-0.809	Ditch



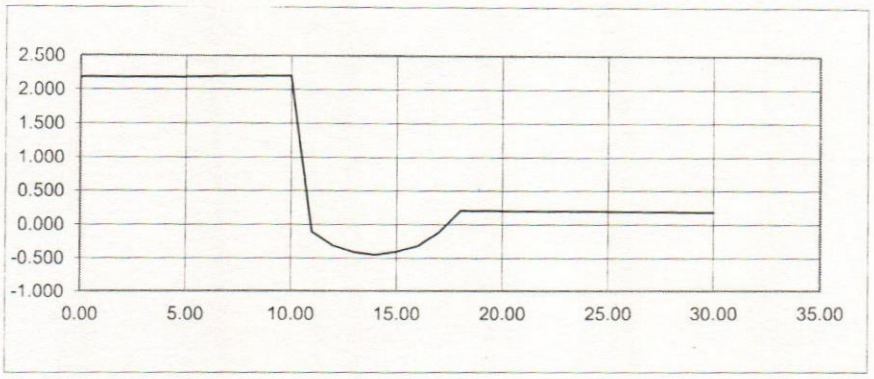
X - Section at km. 2.000

0.00	0.316	Paddy land
5.00	0.311	
10.00	0.295	LB
11.00	-0.004	
12.00	-0.309	
13.00	-0.456	
14.00	-0.504	CL
15.00	-0.455	
16.00	-0.319	
17.00	0.045	
18.00	0.306	RB
25.00	0.311	
30.00	0.316	Paddy nland



X - Section at km. 2.100

0.00	2.189	Paddy land
5.00	2.194	
10.00	2.209	LB
11.00	-0.106	
12.00	-0.311	
13.00	-0.406	
14.00	-0.451	CL
15.00	-0.401	
16.00	-0.316	
17.00	-0.111	
18.00	0.209	RB
20.00	0.204	
25.00	0.199	
30.00	0.189	Paddy land

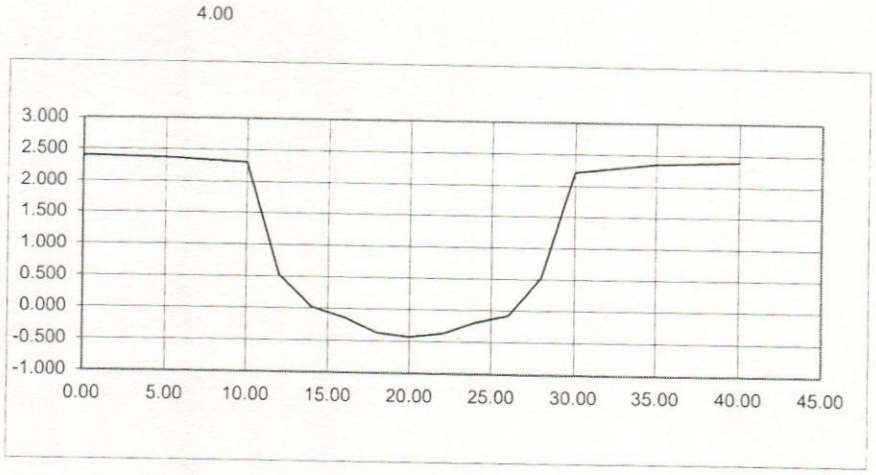


X - Section at km. 2.200

0.00	0.389	Paddy land
5.00	0.384	
10.00	0.379	LB
11.00	-0.101	
12.00	-0.257	
12.50	-0.476	
13.00	-0.531	CL
13.50	-0.482	
14.00	-0.261	
15.00	-0.052	
16.00	0.394	RB
20.00	0.389	
25.00	0.379	Paddy land

X - Section at km. 2.310

	Pre-work	
0.00	2.408	Road slope
5.00	2.372	
10.00	2.313	LB
12.00	0.523	
14.00	0.023	
16.00	-0.138	
18.00	-0.368	
20.00	-0.427	CL
22.00	-0.368	
24.00	-0.192	
26.00	-0.087	
28.00	0.523	RB
30.00	2.223	
35.00	2.362	
40.00	2.408	Road slope



30/10/24
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30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
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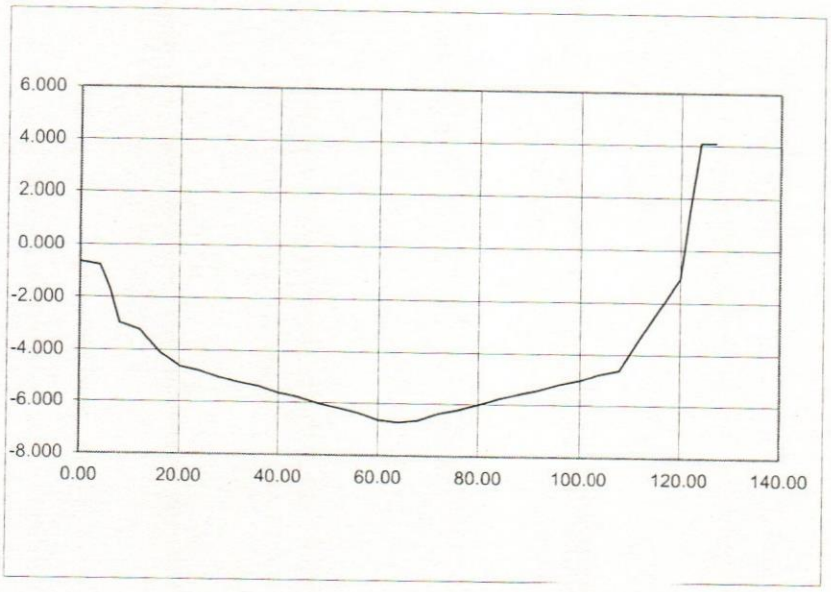
BWDB, Gopalgonj

Cross Section of Outfall river **(Chatkhali River)** Re-excavation of Kochua khal from km. 0.000 to km. 2.310 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

Cross section of Chatkhali River along the Kochua khal

0.00	-0.665	Khal bed
4.00	-0.785	RB
6.00	-1.676	
8.00	-2.970	
12.00	-3.225	
16.00	-4.090	
20.00	-4.615	
24.00	-4.776	
28.00	-5.030	
32.00	-5.225	
36.00	-5.376	
40.00	-5.625	
44.00	-5.791	
48.00	-6.030	
52.00	-6.185	
56.00	-6.377	
60.00	-6.629	
64.00	-6.715	CL
68.00	-6.630	
72.00	-6.376	
76.00	-6.225	
80.00	-6.015	
84.00	-5.776	
88.00	-5.576	
92.00	-5.425	
96.00	-5.190	
100.00	-5.025	
104.00	-4.776	
108.00	-4.625	
112.00	-3.376	
116.00	-2.225	
120.00	-1.050	
122.00	1.676	
124.00	4.085	LB
127.00	4.094	BC road

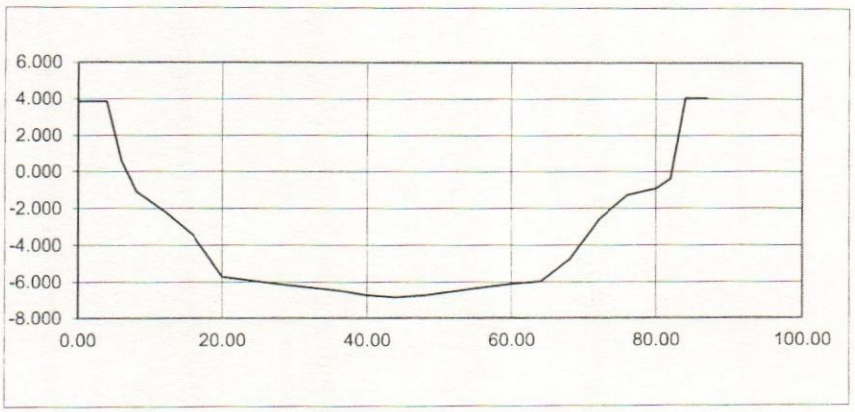


Cross section of Chatkhali River 50 US from meeting point of Kochua khal

0.00	3.865	HBB road
4.00	3.855	RB
6.00	1.050	
8.00	-1.276	
12.00	-2.615	
16.00	-2.915	
20.00	-4.080	
24.00	-4.420	
28.00	-4.725	
32.00	-5.035	
36.00	-5.225	
40.00	-5.485	
44.00	-5.676	
48.00	-5.925	
52.00	-6.125	
56.00	-6.290	
60.00	-6.477	
64.00	-6.542	CL
68.00	-6.476	
72.00	-6.276	
76.00	-6.115	
80.00	-5.890	
84.00	-5.725	
88.00	-5.476	
92.00	-5.285	
96.00	-5.080	
100.00	-4.885	
104.00	4.676	
108.00	-4.525	
112.00	-3.290	
116.00	-2.125	
120.00	-1.085	
122.00	1.615	
124.00	4.224	LB
127.00	4.230	BC road

Cross section of Chatkhali River 50 DS from meeting point of Kochua khal

0.00	3.875	HBB road
4.00	3.855	
6.00	0.615	LB
8.00	-1.076	
12.00	-2.176	
16.00	-3.476	
20.00	-5.725	
24.00	-5.915	
28.00	-6.135	
32.00	-6.290	
36.00	-6.476	
40.00	-6.730	
44.00	-6.825	CL
48.00	-6.735	
52.00	-6.525	
56.00	-6.305	
60.00	-6.115	
64.00	-5.966	
68.00	-4.776	
72.00	-2.615	
76.00	-1.276	
80.00	-0.915	
82.00	-0.381	
84.00	4.070	RB
87.00	4.056	BC road



30/10/24
(Md. Safiqul Islam Sheikh)
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30/10/24
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30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
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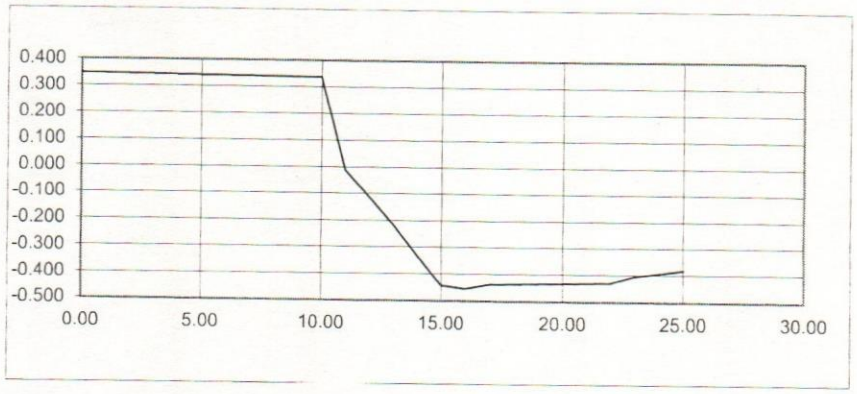
BWDB, Gopalgonj

Cross Section of Offtake river **(Hiron khal)** Re-excavation of Kochua khal from km. 0.000 to km. 2.310 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

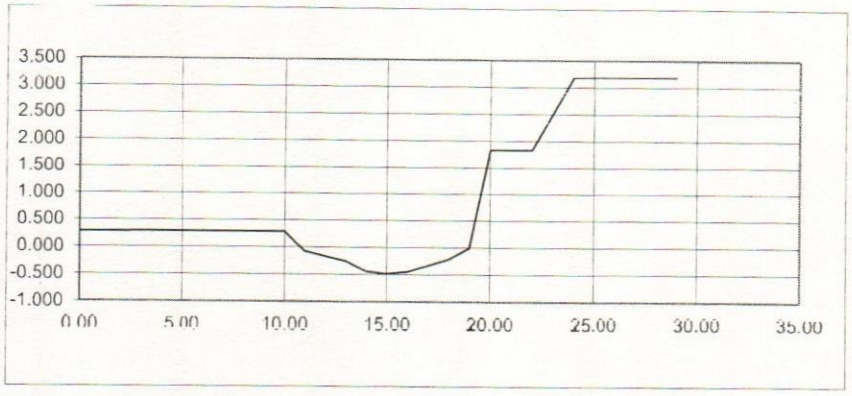
Cross section of Hiron khal along the Kochua khal

0.00	0.347	Paddy land
5.00	0.342	
10.00	0.337	LB
11.00	-0.012	
13.00	-0.214	
15.00	-0.443	
16.00	-0.455	CL
17.00	-0.438	
19.00	-0.435	
20.00	-0.433	
22.00	-0.430	RB
23.00	-0.405	
25.00	-0.381	Khal



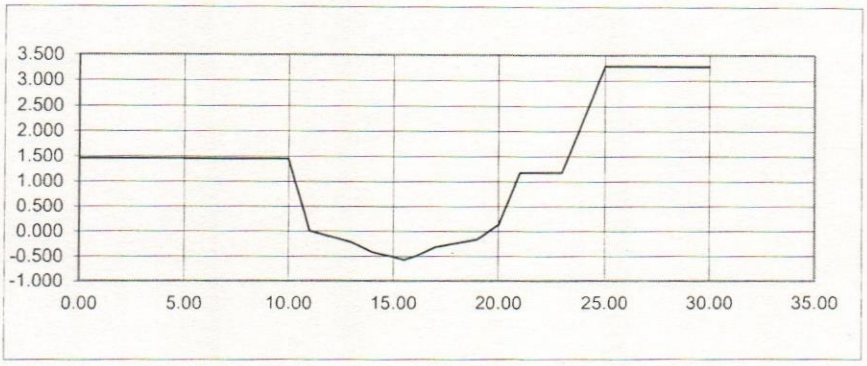
Cross section of Hiron khal 50m US from meeting point of Kochua khal

0.00	0.281	Paddy land
5.00	0.292	
10.00	0.286	LB
11.00	-0.068	
13.00	-0.253	
14.00	-0.438	
15.00	-0.483	
16.00	-0.441	CL
18.00	-0.214	
19.00	-0.008	
20.00	1.837	RB
22.00	1.832	
24.00	3.187	
29.00	3.181	Bc road



Cross section of Hiron khal 50m DS from meeting point of Kochua khal

0.00	1.467	House area
5.00	1.462	
10.00	1.457	LB
11.00	0.008	
13.00	-0.214	
14.00	-0.408	
15.00	-0.505	
15.50	-0.563	CL
16.00	-0.508	
17.00	-0.314	
19.00	-0.163	
20.00	0.132	
21.00	1.177	RB
23.00	1.186	
25.00	3.292	
30.00	3.277	BC road



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
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30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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BWDB, Gopalganj

Sadiur
30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Aria khal

1.	Name of the proposed Khal	:	Aria khal
2.	Catchments Area	:	75.00 Hac
3.	The lowest level up to which drainage requires	:	-0.77 m (PWD)
4.	Avg. Ground level of the area	:	0.305 m (PWD)
5.	Length of the Khal	:	0.605 km
6.	Bed level of the outfall Khal/River	:	(-) 8.798 (PWD) (Ghagar River)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	5.00m.
10.	The proposed bed level of the Khal	:	(-) 1.80 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	36.00 km (SW–198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

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BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
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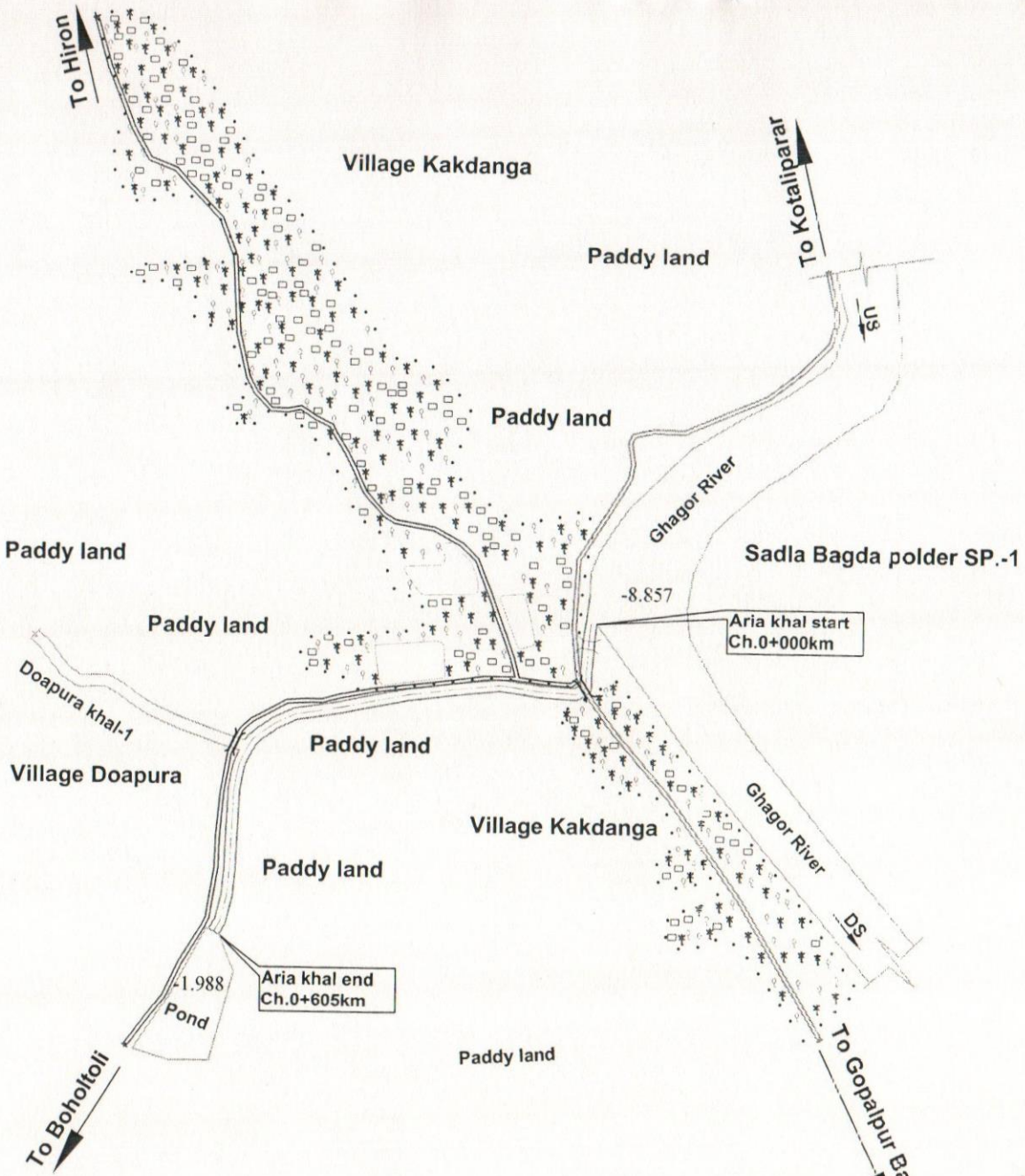
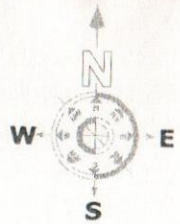
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

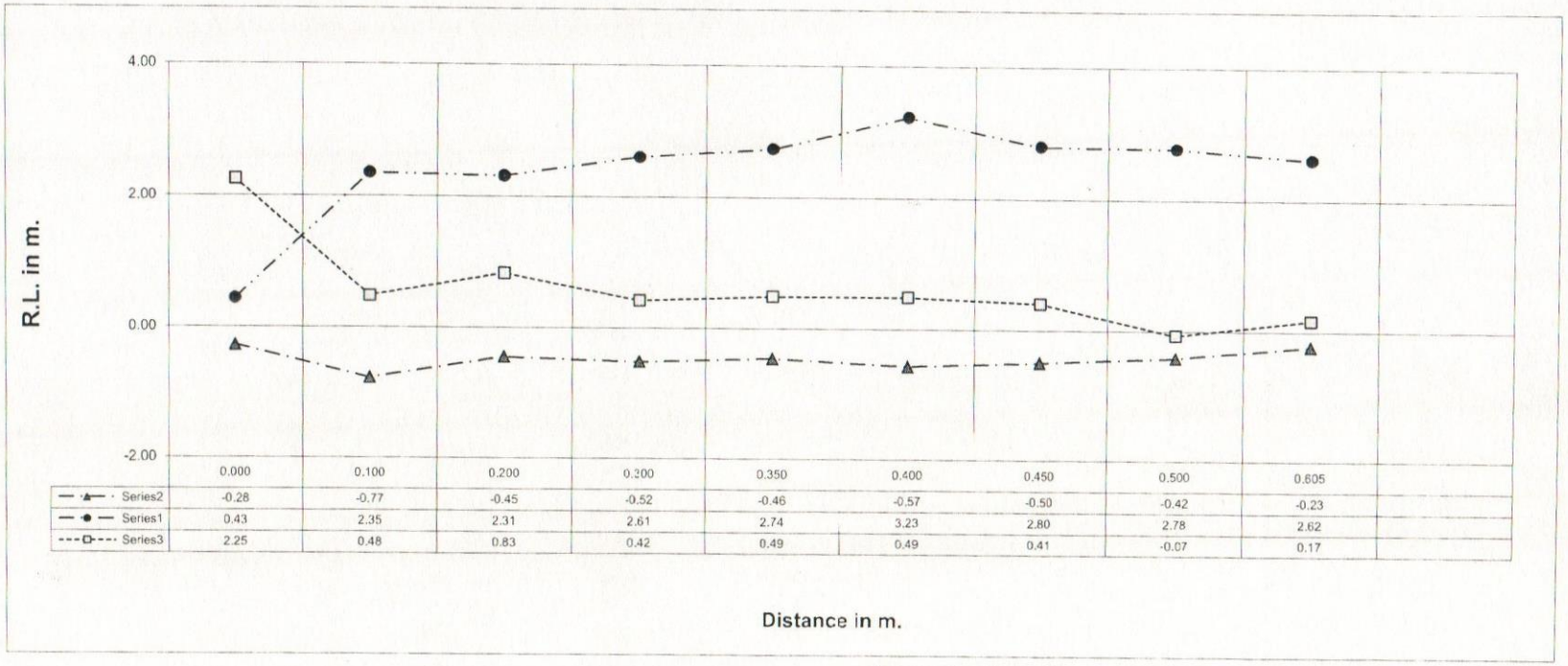
Bangladesh Water Development Board

Sketch Map for Re-excavation of Aria khal from km. 0.000 to km. 0.605 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgoni	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgoni	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgoni

Ch.	Long Section of Aria khal								
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.350	0.400	0.450	0.500	0.605
C/L R.L.	-0.28	-0.77	-0.45	-0.52	-0.46	-0.57	-0.50	-0.42	-0.23
L/BR.L.	0.43	2.35	2.31	2.61	2.74	3.23	2.80	2.78	2.62
R/B R.L.	2.25	0.48	0.83	0.42	0.49	0.49	0.41	-0.07	0.17

Long Section of Aria khal



	0.000	0.100	0.200	0.200	0.350	0.400	0.450	0.500	0.605
Series2	-0.28	-0.77	-0.45	-0.52	-0.46	-0.57	-0.50	-0.42	-0.23
Series1	0.43	2.35	2.31	2.61	2.74	3.23	2.80	2.78	2.62
Series3	2.25	0.48	0.83	0.42	0.49	0.49	0.41	-0.07	0.17

BANGLADESH WATER DEVELOPMENT BOARD

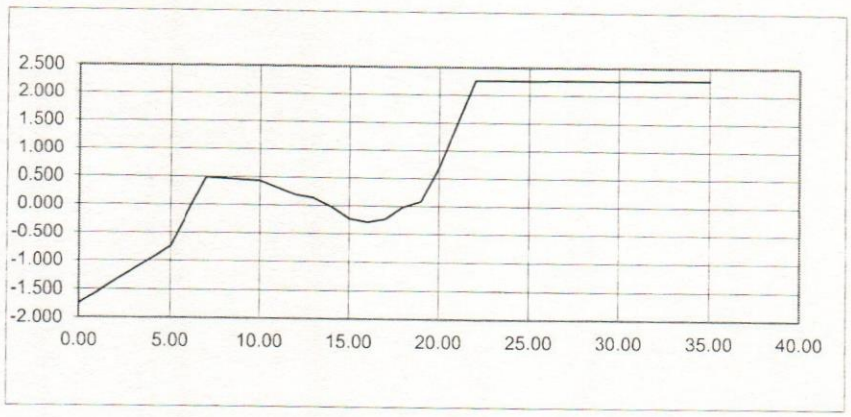
Long-section for Re-excavation of Aria khal from km. 0.000 to km. 0.605 in polder - 2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Sadiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Aria khal from km. 0.000 to km. 0.605 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

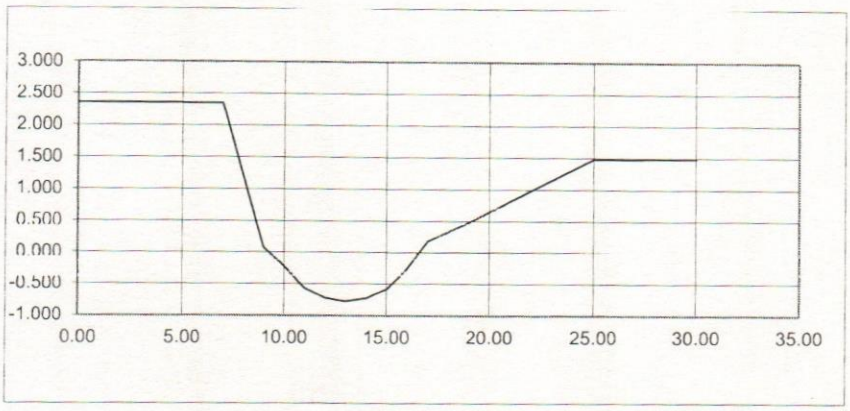
X - Section at km. 0.000

0.00	-1.747	House Area
5.00	-0.747	
7.00	0.492	
10.00	0.443	LB
12.00	0.192	
13.00	0.143	
14.00	-0.008	
15.00	-0.213	
16.00	-0.277	CL
17.00	-0.223	
18.00	-0.009	
19.00	0.091	
20.00	0.693	
22.00	2.253	RB
30.00	2.262	
35.00	2.273	Garden



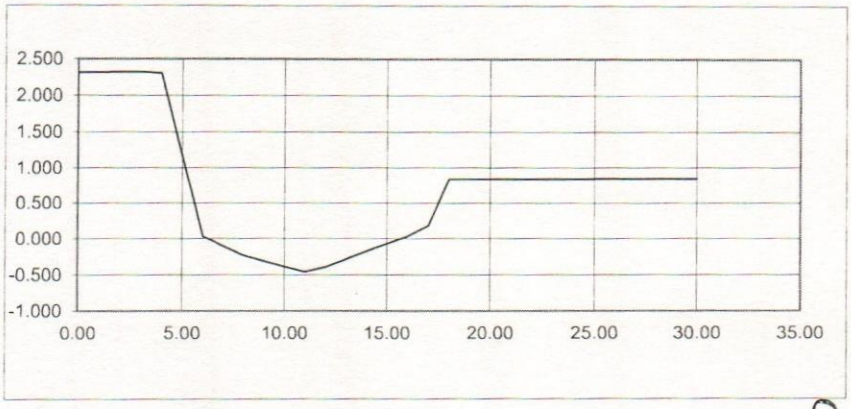
X - Section at km. 0.100

0.00	2.355	BC road
3.00	2.360	
7.00	2.350	LB
9.00	0.079	
10.00	-0.221	
11.00	-0.570	
12.00	-0.718	
13.00	-0.770	CL
14.00	-0.721	
15.00	-0.585	
16.00	-0.270	
17.00	0.179	
19.00	0.480	RB
25.00	1.485	
30.00	1.495	House



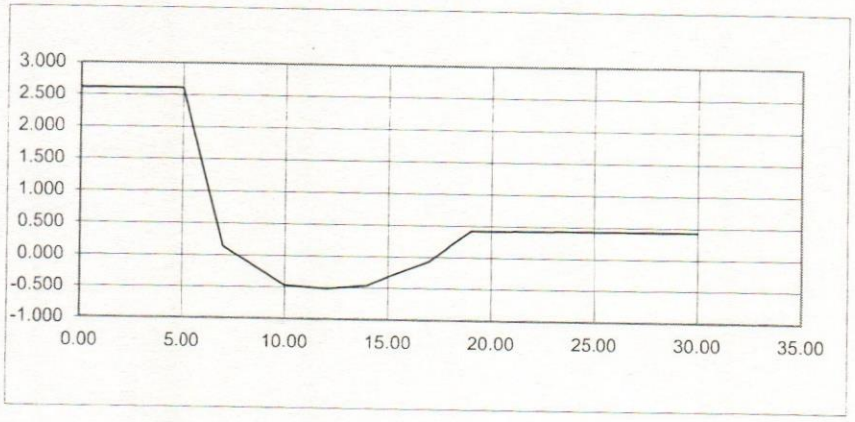
X - Section at km. 0.200

0.00	2.315	BC road
3.00	2.325	
4.00	2.310	LB
6.00	0.034	
8.00	-0.225	
10.00	-0.380	
11.00	-0.449	CL
12.00	-0.386	
14.00	-0.166	
16.00	0.033	
17.00	0.185	
18.00	0.834	RB
25.00	0.840	
30.00	0.845	Paddy land



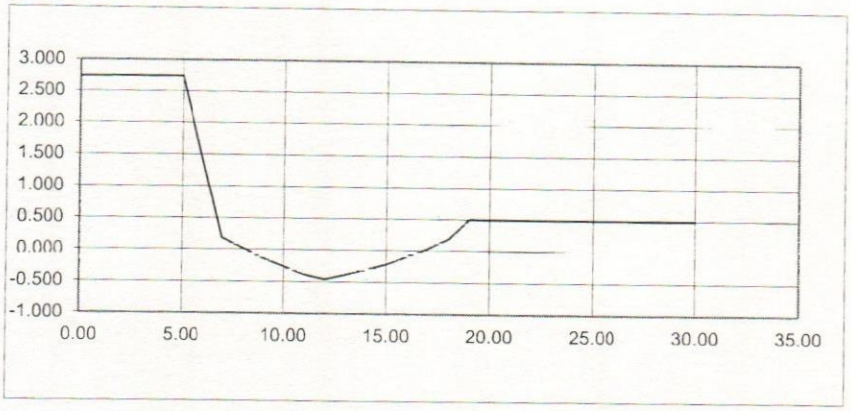
X - Section at km. 0.300

0.00	2.610	BC road
3.00	2.615	
5.00	2.605	LB
7.00	0.139	
9.00	-0.261	
10.00	-0.470	
12.00	-0.515	CL
14.00	-0.461	
15.00	-0.310	
17.00	-0.061	
18.00	0.190	
19.00	0.420	RB
25.00	0.435	
30.00	0.430	Paddy land



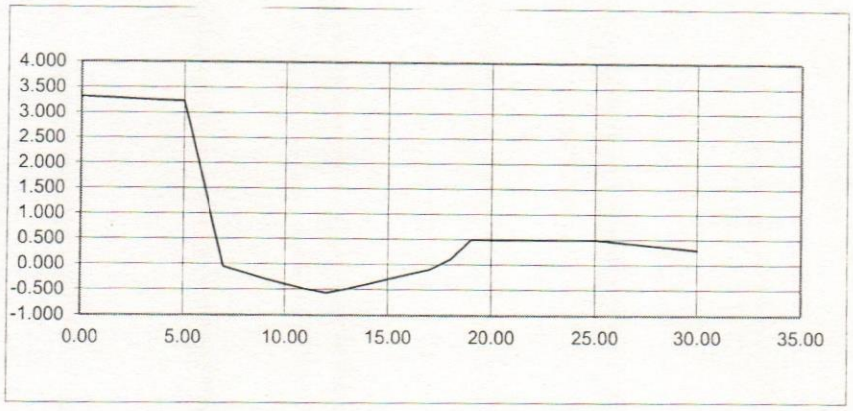
X - Section at km. 0.350

0.00	2.735	BC road
3.00	2.745	
5.00	2.740	LB
7.00	0.185	
9.00	-0.135	
11.00	-0.391	
12.00	-0.460	CL
13.00	-0.391	
15.00	-0.215	
17.00	0.039	
18.00	0.190	
19.00	0.490	RB
25.00	0.495	
30.00	0.500	Paddy land



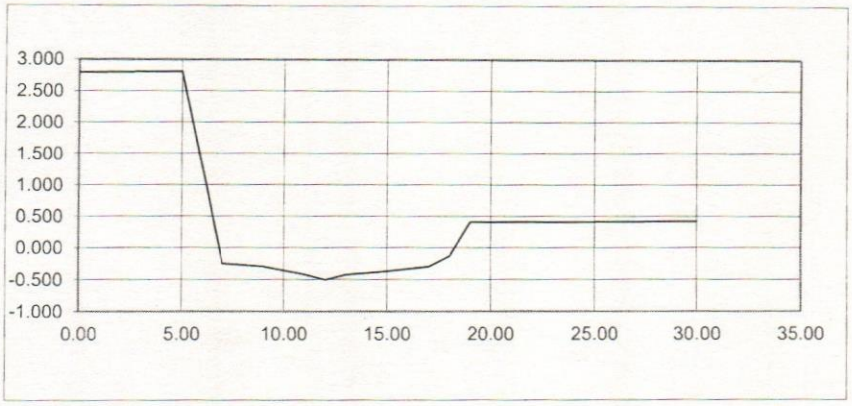
X - Section at km. 0.400

0.00	3.324	BC road
4.00	3.244	
5.00	3.234	LB
7.00	-0.046	
9.00	-0.297	
11.00	-0.491	
12.00	-0.566	CL
13.00	-0.495	
15.00	-0.297	
17.00	-0.097	
18.00	0.103	
19.00	0.489	RB
25.00	0.494	
30.00	0.299	Paddy land



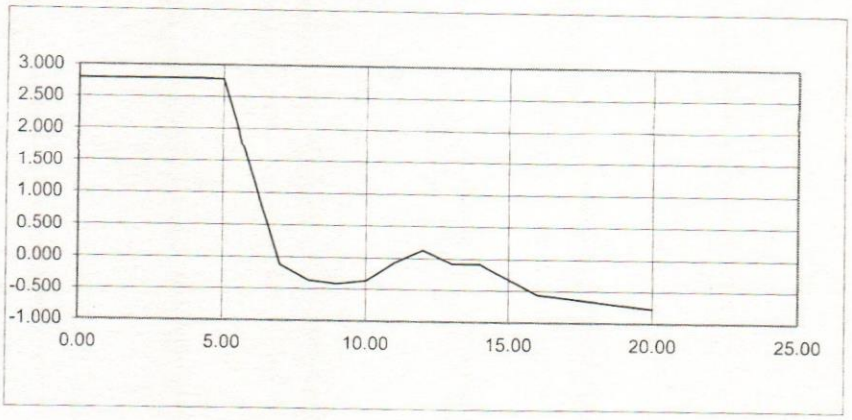
X - Section at km. 0.450

0.00	2.794	BC road
4.00	2.809	
5.00	2.804	LB
7.00	-0.246	
9.00	-0.297	
11.00	-0.416	
12.00	-0.497	CL
13.00	-0.421	
15.00	-0.371	
17.00	-0.297	
18.00	-0.136	
19.00	0.409	RB
25.00	0.414	
30.00	0.424	Paddy land



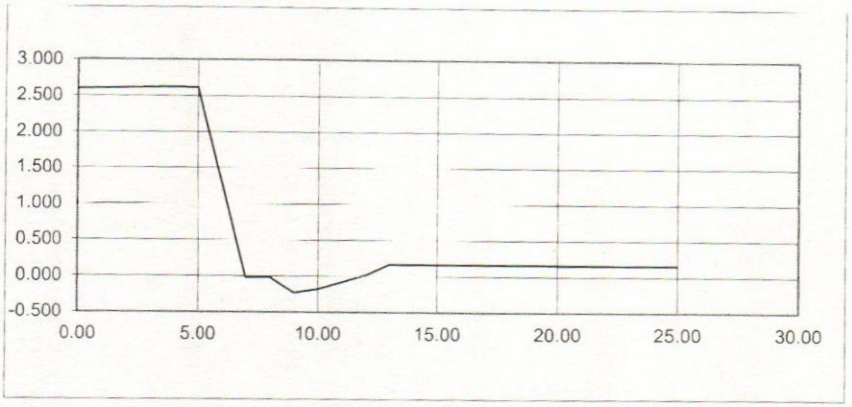
X - Section at km. 0.500

0.00	2.785	BC road
4.00	2.794	
5.00	2.780	LB
7.00	-0.115	
8.00	-0.360	
9.00	-0.415	CL
10.00	-0.361	
11.00	-0.066	
12.00	0.129	
13.00	-0.071	RB
14.00	-0.075	
16.00	-0.560	
18.00	-0.666	
20.00	-0.767	Ditch



X - Section at km. 0.605

0.00	2.602	Paddy land
4.00	2.626	
5.00	2.617	LB
7.00	-0.023	
8.00	-0.018	
9.00	-0.233	CL
10.00	-0.178	
11.00	-0.084	
12.00	0.015	
13.00	0.167	RB
20.00	0.162	
25.00	0.159	open land



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
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BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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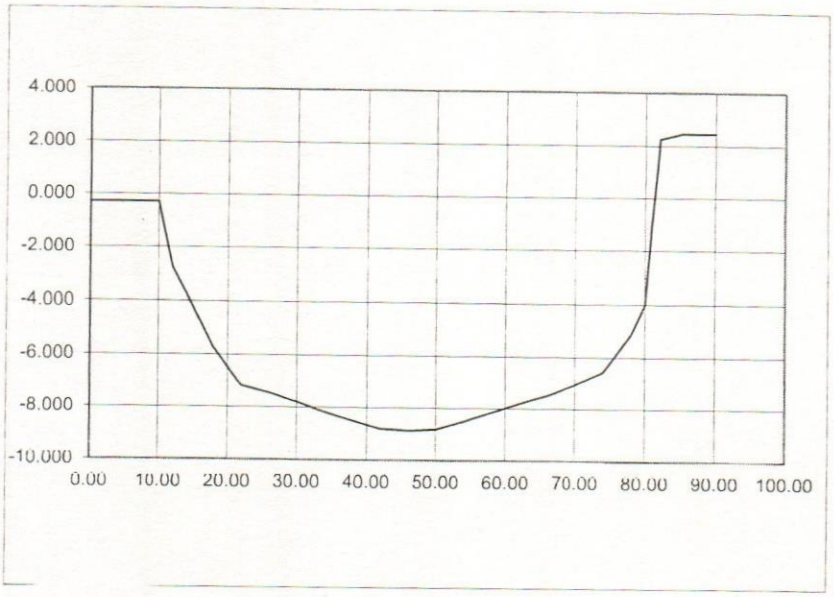
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Out fall Ghagor river **(Ghagar River)** Re-excavation of Aria khal from km. 0.000 to km. 0.605 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

Cross section of Ghagar River along the Aria khal

0.00	-0.261	Khal bed
5.00	-0.270	
10.00	-0.276	LB
12.00	-2.749	
14.00	-3.682	
18.00	-5.747	
22.00	-7.162	
26.00	-7.447	
30.00	-7.808	
34.00	-8.187	
38.00	-8.508	
42.00	-8.798	CL
46.00	-8.857	
50.00	-8.805	
54.00	-8.508	Open land
58.00	-8.162	
62.00	-7.802	
66.00	-7.462	
70.00	-7.052	
74.00	-6.557	
78.00	-5.122	RB
80.00	-3.977	
82.00	2.253	House Area
85.00	2.443	
90.00	2.453	

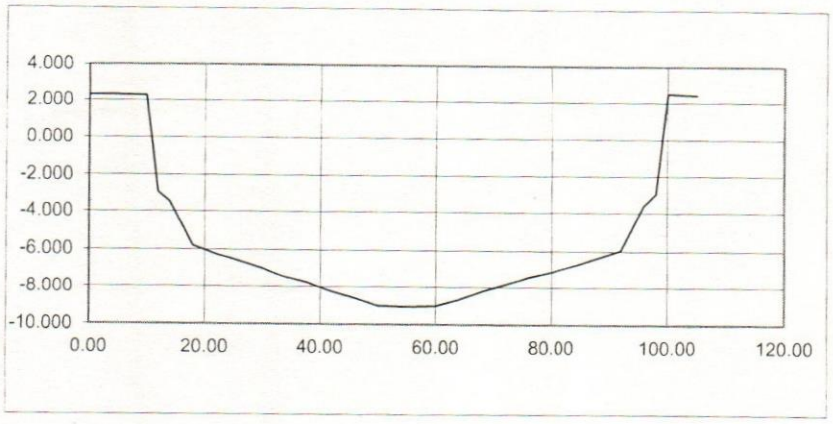


Cross section of Ghagar River 50m US from meeting point of Aria khal

0.00	0.113	Open land
5.00	0.098	
10.00	0.052	LB
12.00	-3.008	
14.00	-4.447	
18.00	-5.808	
22.00	-6.177	
26.00	-6.508	
30.00	-6.867	
34.00	-7.205	
38.00	-7.508	
42.00	-7.917	CL
46.00	-8.262	
50.00	-8.509	
55.00	-8.577	
60.00	-8.508	
64.00	-8.277	
68.00	-7.908	
72.00	-7.562	
76.00	-7.202	
80.00	-6.857	
84.00	-6.447	
88.00	-6.157	
92.00	-3.797	
96.00	-2.022	
98.00	3.292	RB
100.00	3.295	School

Cross section of Ghagar River 50m DS from meeting point of Aria khal

0.00	2.268	House Area
5.00	2.263	
10.00	2.253	LB
12.00	-2.947	
14.00	-3.447	
18.00	-5.808	
22.00	-6.262	
26.00	-6.622	
30.00	-7.008	
34.00	-7.485	
38.00	-7.808	
42.00	-8.257	
46.00	-8.608	CL
50.00	-8.987	
55.00	-9.057	
60.00	-8.988	
64.00	-8.657	
68.00	-8.213	
72.00	-7.857	
76.00	-7.447	
80.00	-7.147	
84.00	-6.747	
88.00	-6.357	RB
92.00	-5.957	
96.00	-3.562	Open land
98.00	-2.947	
100.00	2.492	
105.00	2.408	House area



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
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BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Barshapara khal

1.	Name of the proposed Khal	:	Barshapara khal
2.	Catchments Area	:	220.00 Hac
3.	The lowest level up to which drainage requires	:	-1.30 m (PWD)
4.	Avg. Ground level of the area	:	0.456 m (PWD)
5.	Length of the Khal	:	2.020 km
6.	Bed level of the outfall Khal/River	:	(-) 0.586 (PWD) (Hiron khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	3.00m.
10.	The proposed bed level of the Khal	:	(-) 1.30 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	34.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
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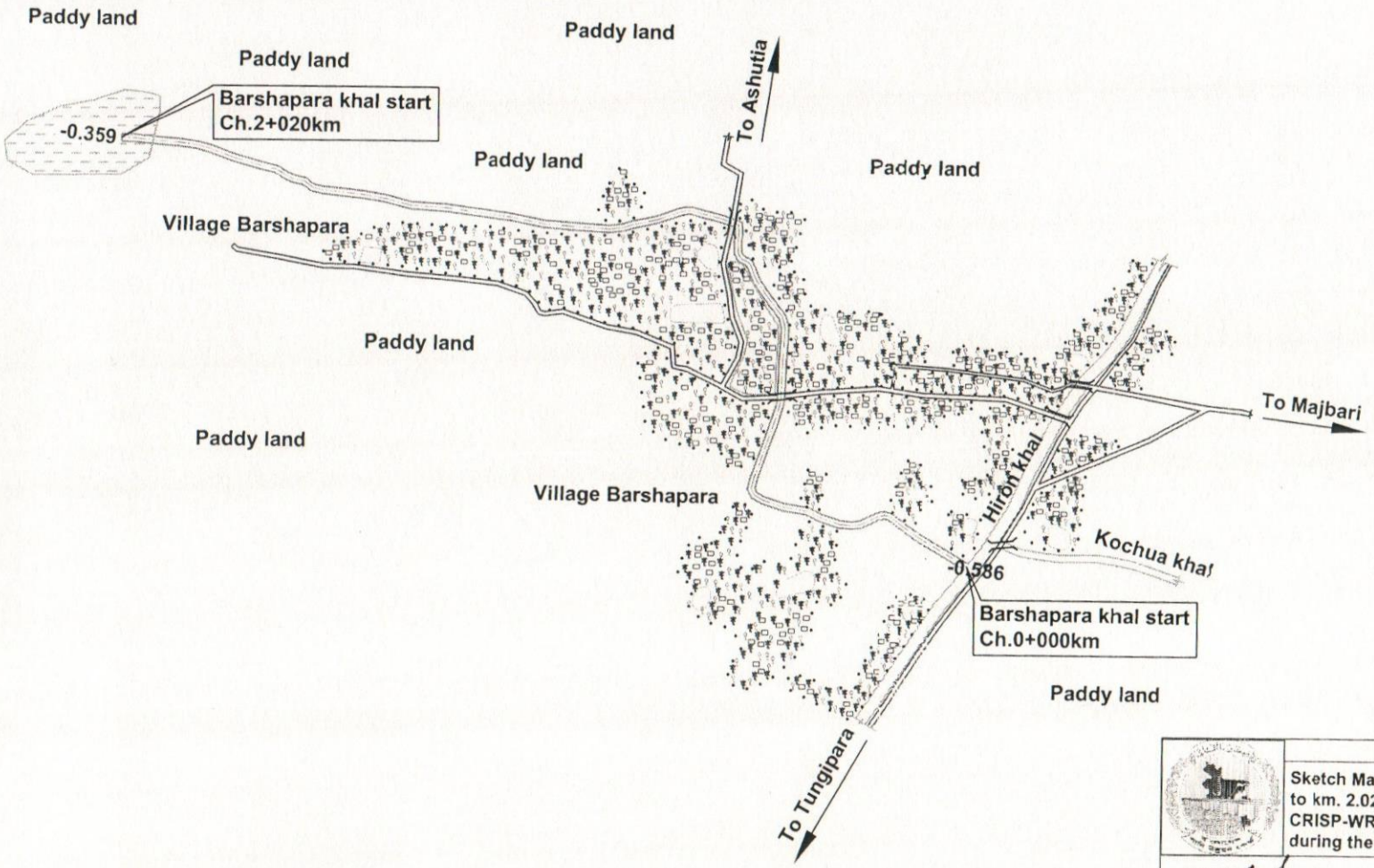
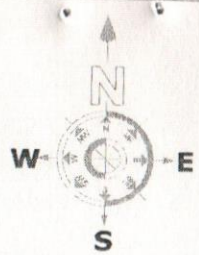
30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

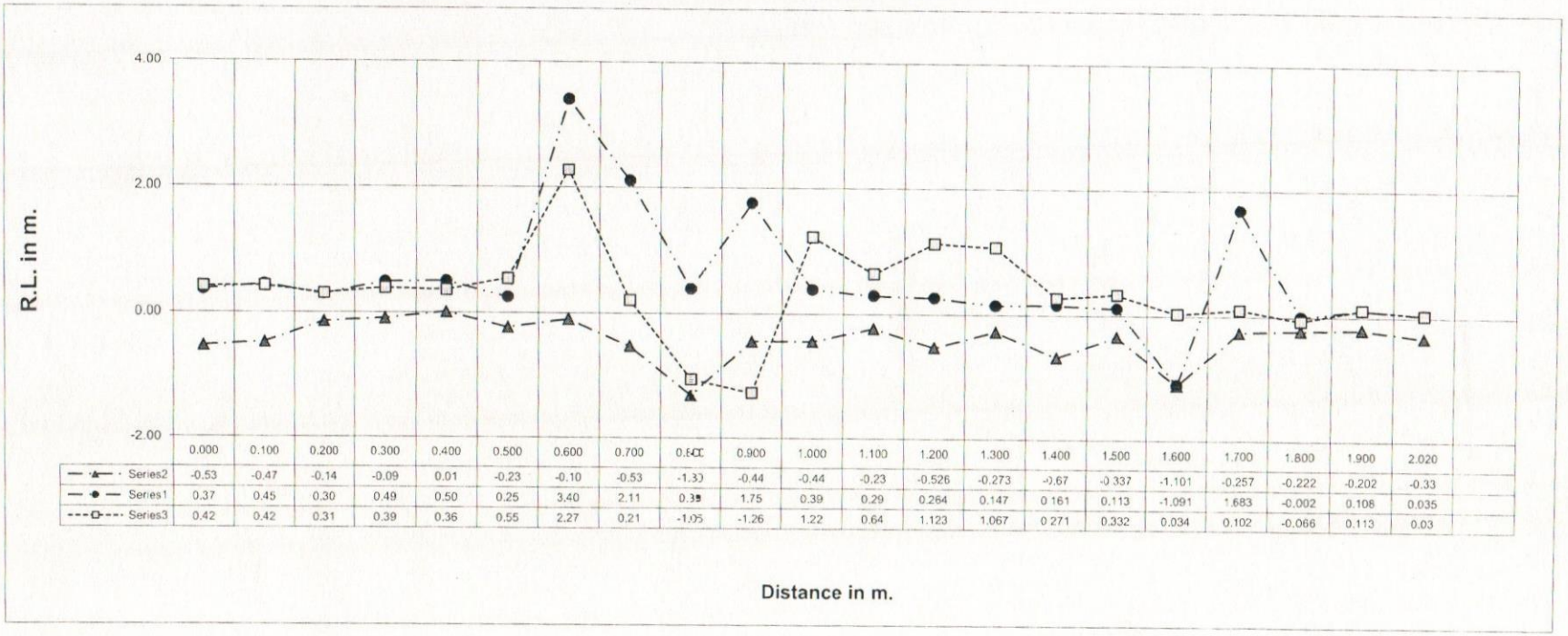
Bangladesh Water Development Board

Sketch Map for Re-excavation of Barshapara khal from km. 0.000 to km. 2.020 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-25.

30/10/24	30/10/24	30/10/24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, DWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Aminul Islam Sohag) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Barshapara khal																				
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.020
C/L R.L.	-0.53	-0.47	-0.14	-0.09	0.01	-0.23	-0.10	-0.53	-1.30	-0.44	-0.44	-0.23	-0.526	-0.273	-0.67	-0.34	-1.101	-0.257	-0.22	-0.2	-0.33
L/BR.L.	0.37	0.45	0.30	0.49	0.50	0.25	3.40	2.11	0.39	1.75	0.39	0.29	0.264	0.147	0.16	0.113	-1.091	1.683	-0	0.11	0.035
R/B R.L.	0.42	0.42	0.31	0.39	0.36	0.55	2.27	0.21	-1.05	-1.26	1.22	0.64	1.123	1.067	0.27	0.332	0.034	0.102	-0.07	0.11	0.03

Long Section for re-excavation of Barshapara khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.020
Series2	-0.53	-0.47	-0.14	-0.09	0.01	-0.23	-0.10	-0.53	-1.30	-0.44	-0.44	-0.23	-0.526	-0.273	-0.67	-0.337	-1.101	-0.257	-0.222	-0.202	-0.33
Series1	0.37	0.45	0.30	0.49	0.50	0.25	3.40	2.11	0.39	1.75	0.39	0.29	0.264	0.147	0.161	0.113	-1.091	1.683	-0.002	0.108	0.035
Series3	0.42	0.42	0.31	0.39	0.36	0.55	2.27	0.21	-1.05	-1.26	1.22	0.64	1.123	1.067	0.271	0.332	0.034	0.102	-0.066	0.113	0.03

BANGLADESH WATER DEVELOPMENT BOARD

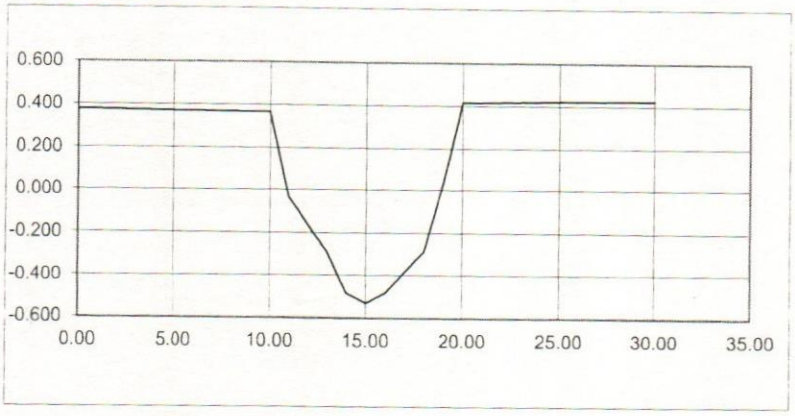
Long Section For Re-excavation of Barshapara khal from km. 0.000 to km. 2.020 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-25.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Barshapara khal from km. 0.000 to km. 2.020 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-25.

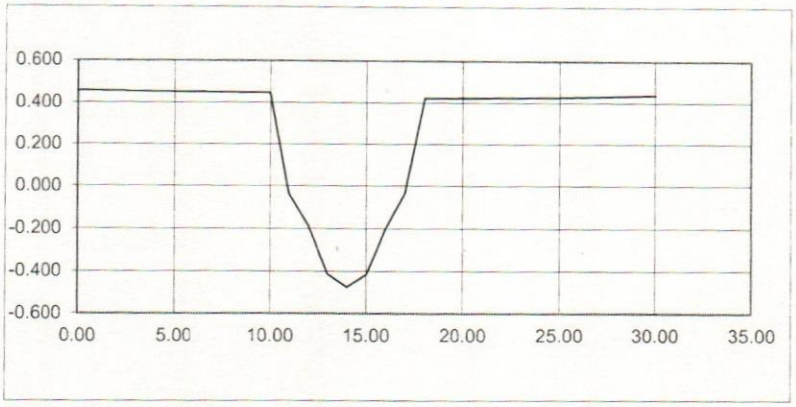
X - Section at km. 0.000

0.00	0.377	Open land
5.00	0.372	
10.00	0.367	LB
11.00	-0.038	
13.00	-0.284	
14.00	-0.485	
15.00	-0.533	CL
16.00	-0.484	
18.00	-0.285	
19.00	0.033	
20.00	0.416	RB
25.00	0.422	
30.00	0.426	Paddy land



X - Section at km. 0.100

0.00	0.457	Paddy land
5.00	0.452	
10.00	0.447	LB
11.00	-0.038	
12.00	-0.184	
13.00	-0.411	
14.00	-0.474	CL
15.00	-0.414	
16.00	-0.198	
17.00	-0.033	
18.00	0.422	RB
25.00	0.427	
30.00	0.437	Paddy land

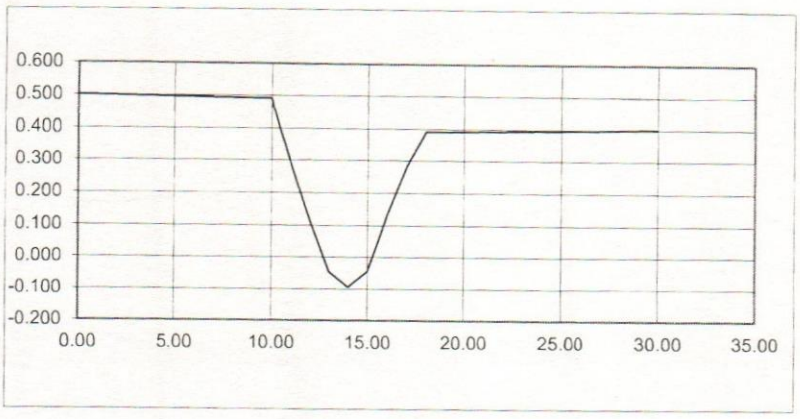


X - Section at km. 0.200

0.00	0.306	Paddy land
5.00	0.301	
10.00	0.296	LB
11.00	0.071	
12.00	0.045	
13.00	-0.094	
14.00	-0.144	CL
15.00	-0.085	
16.00	0.006	
17.00	0.091	
18.00	0.306	RB
25.00	0.311	
30.00	0.316	Paddy land

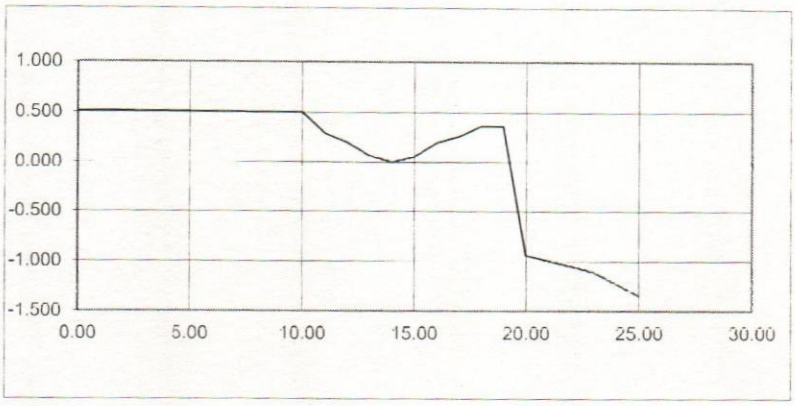
X - Section at km. 0.300

0.00	0.501	Paddy land
5.00	0.496	
10.00	0.491	LB
11.00	0.291	
12.00	0.116	
13.00	-0.046	
14.00	-0.094	CL
15.00	-0.045	
16.00	0.131	
17.00	0.281	
18.00	0.391	RB
25.00	0.396	
30.00	0.401	Paddy land



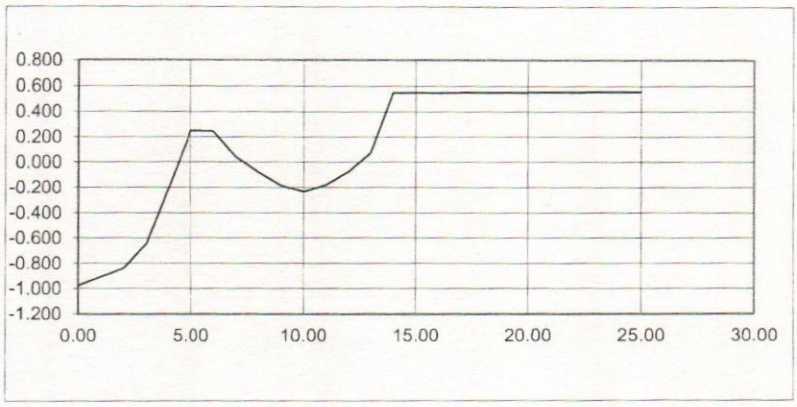
X - Section at km. 0.400

0.00	0.513	Paddy land
5.00	0.508	LB
10.00	0.503	
11.00	0.288	
12.00	0.197	
13.00	0.067	
14.00	0.008	CL
15.00	0.058	
16.00	0.197	
17.00	0.258	
18.00	0.363	RB
19.00	0.358	
20.00	-0.942	
23.00	-1.108	
25.00	-1.342	Ditch



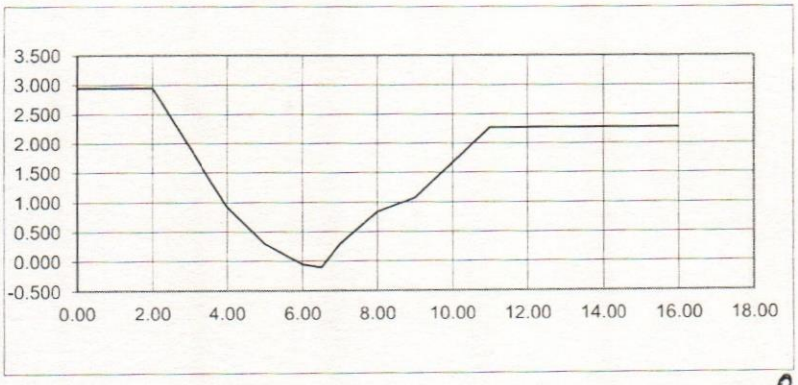
X - Section at km. 0.500

0.00	-0.977	Ditch
2.00	-0.842	
3.00	-0.642	
5.00	0.253	
6.00	0.248	LB
7.00	0.048	
8.00	-0.077	
9.00	-0.182	
10.00	-0.232	CL
11.00	-0.177	
12.00	-0.073	
13.00	0.077	
14.00	0.548	RB
20.00	0.553	
25.00	0.558	Paddy land



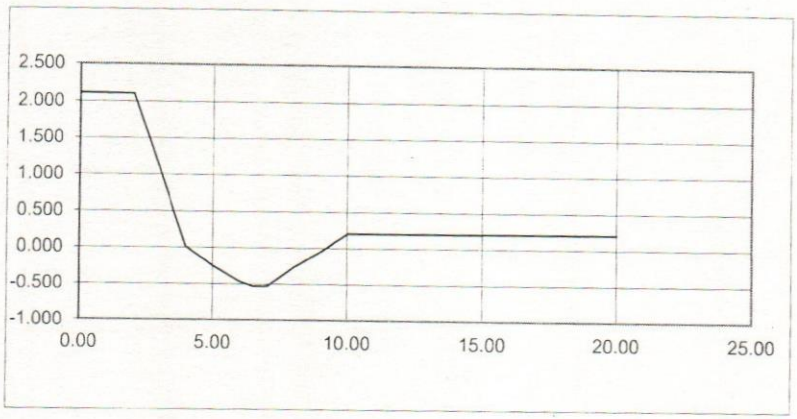
X - Section at km. 0.600

0.00	2.944	Home
2.00	2.954	LB
4.00	0.919	
5.00	0.298	
6.00	-0.051	
6.50	-0.101	CL
7.00	0.294	
8.00	0.829	
9.00	1.068	
11.00	2.268	RB
12.00	2.274	House
16.00	2.274	



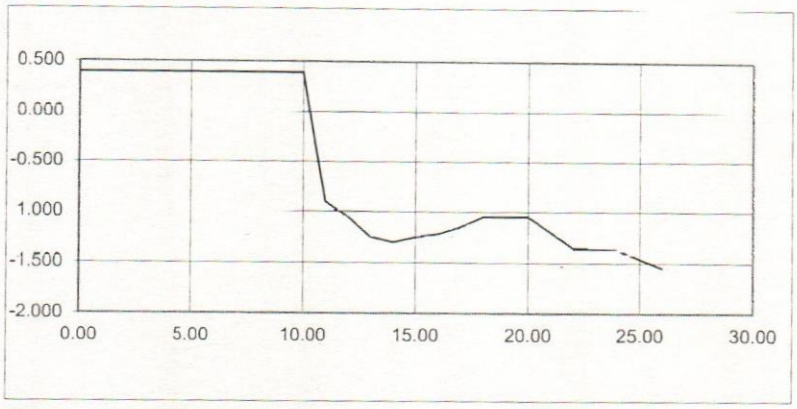
X - Section at km. 0.700

0.00	2.117	House
2.00	2.107	LB
4.00	0.017	
5.00	-0.244	
6.00	-0.463	
6.50	-0.526	CL
7.00	-0.528	
8.00	-0.258	
9.00	-0.049	
10.00	0.207	
11.00	0.207	RB
15.00	0.212	
20.00	0.217	Open land



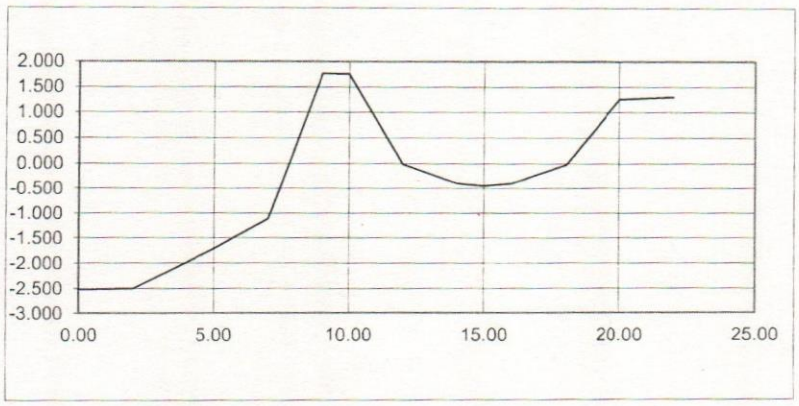
X - Section at km. 0.800

0.00	0.393	Open land
5.00	0.391	
10.00	0.391	LB
11.00	-0.897	
12.00	-1.048	
13.00	-1.245	
14.00	-1.297	CL
15.00	-1.247	
16.00	-1.217	
17.00	-1.148	
18.00	-1.048	RB
20.00	-1.042	
22.00	-1.348	
24.00	-1.372	
26.00	-1.548	Ditch



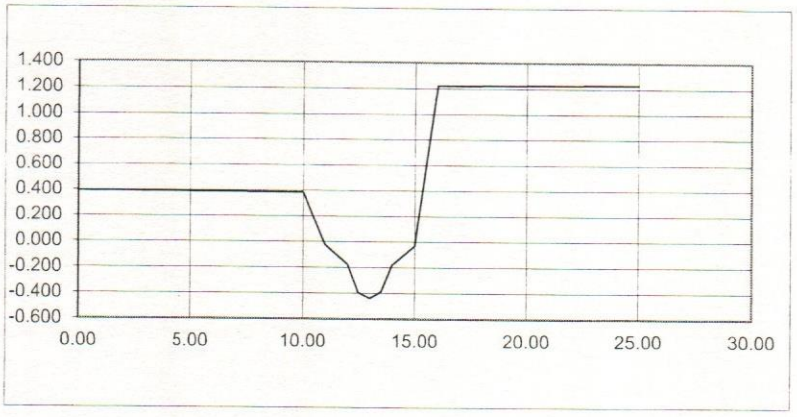
X - Section at km. 0.900

0.00	-2.522	Ditch
2.00	-2.501	
5.00	-1.701	
7.00	-1.101	
9.00	1.764	
10.00	1.754	LB
12.00	-0.016	
13.00	-0.201	
14.00	-0.395	
15.00	-0.441	CL
16.00	-0.396	
17.00	-0.207	
18.00	-0.024	
20.00	1.259	RB
21.00	1.279	House
22.00	1.300	



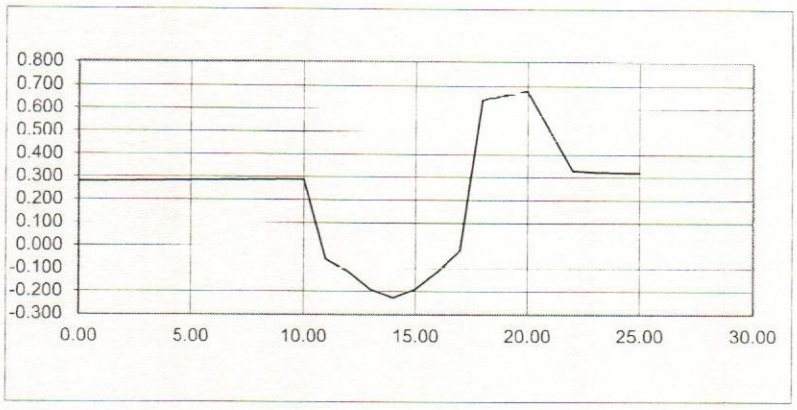
X - Section at km. 1.000

0.00	0.396	Paddy land
5.00	0.391	
10.00	0.386	LB
11.00	-0.024	
12.00	-0.175	
12.50	-0.394	
13.00	-0.439	CL
13.50	-0.389	
14.00	-0.180	
15.00	-0.031	
16.00	1.221	RB
20.00	1.226	
25.00	1.231	Home stead



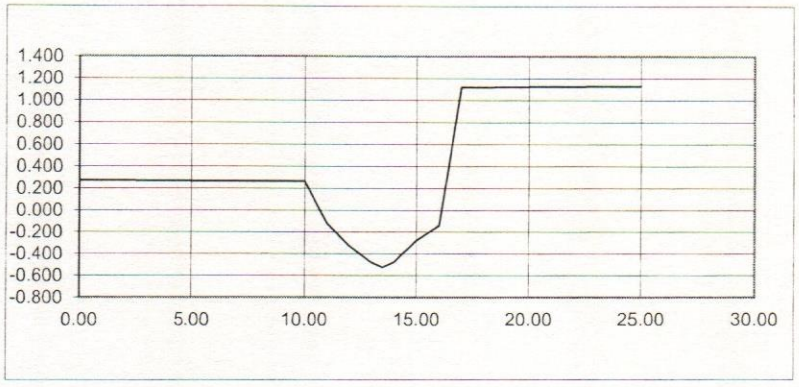
X - Section at km. 1.100

0.00	0.281	Paddy land
5.00	0.286	
10.00	0.291	LB
11.00	-0.059	
12.00	-0.114	
13.00	-0.190	
14.00	-0.229	CL
15.00	-0.189	
16.00	-0.111	
17.00	-0.020	
18.00	0.641	RB
20.00	0.680	
22.00	0.331	
23.00	0.326	
25.00	0.321	Paddy land



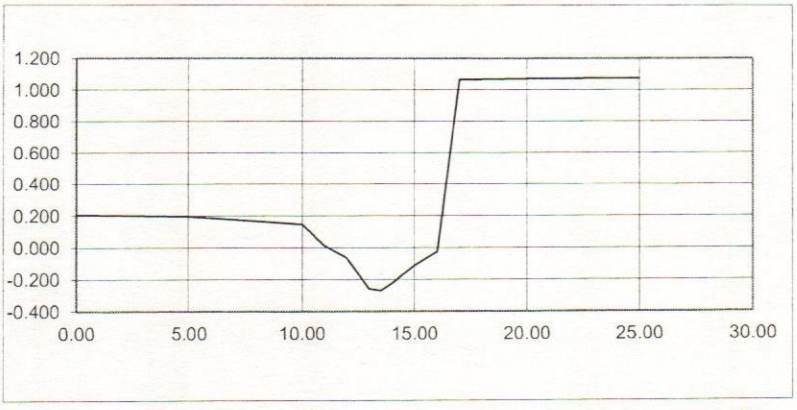
X - Section at km. 1.200

0.00	0.274	Paddy land
5.00	0.269	
10.00	0.264	LB
11.00	-0.116	
12.00	-0.326	
13.00	-0.478	
13.50	-0.526	CL
14.00	-0.477	
15.00	-0.277	
16.00	-0.141	
17.00	1.123	RB
20.00	1.129	
25.00	1.134	Pond bank



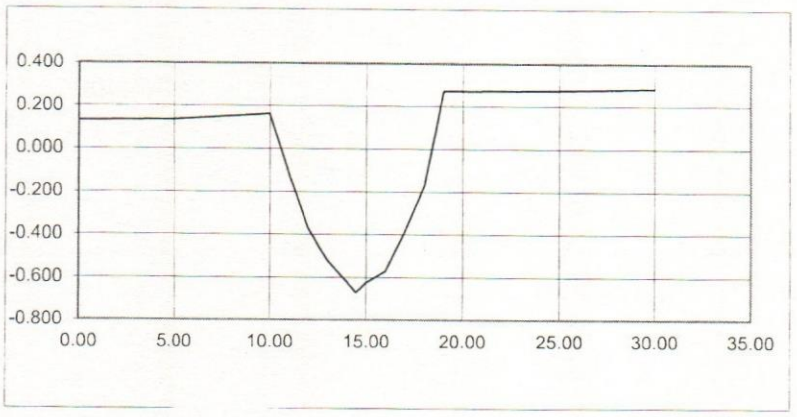
X - Section at km. 1.300

0.00	0.207	Paddy land
5.00	0.197	
10.00	0.147	LB
11.00	0.013	
12.00	-0.064	
13.00	-0.258	
13.50	-0.273	CL
14.00	-0.228	
15.00	-0.113	
16.00	-0.028	
17.00	1.067	RB
20.00	1.072	
25.00	1.077	Pond bank



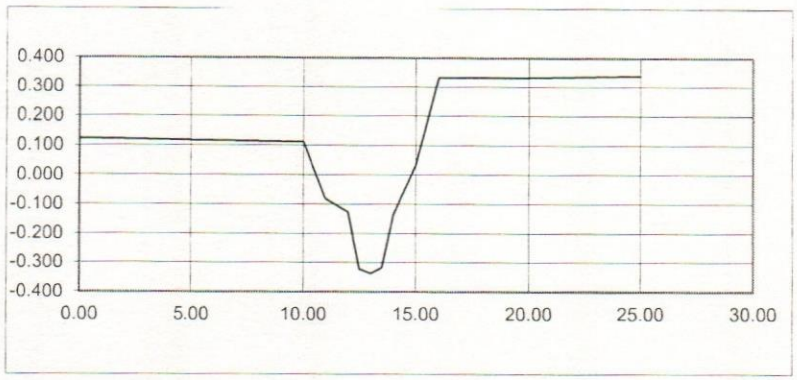
X - Section at km. 1.400

0.00	0.131	Paddy land
5.00	0.136	
10.00	0.161	LB
11.00	-0.120	
12.00	-0.369	
13.00	-0.520	
14.00	-0.620	
14.50	-0.670	CL
15.00	-0.624	
16.00	-0.569	
17.00	-0.389	
18.00	-0.169	
19.00	0.271	RB
25.00	0.276	
30.00	0.286	Pond bank



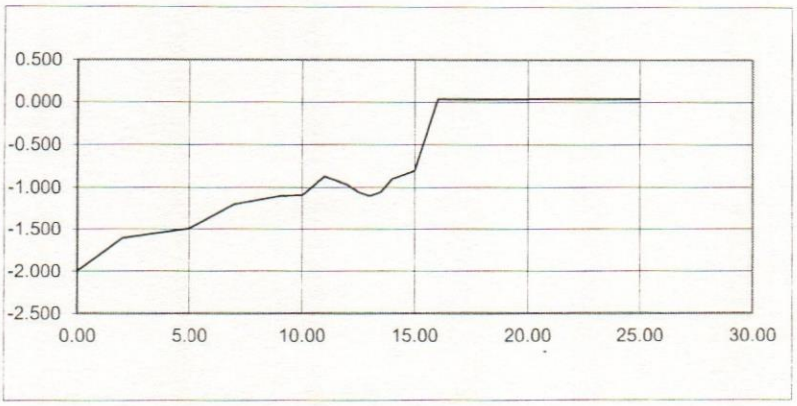
X - Section at km. 1.500

0.00	0.123	Paddy land
5.00	0.118	
10.00	0.113	LB
11.00	-0.082	
12.00	-0.128	
12.50	-0.322	
13.00	-0.337	CL
13.50	-0.318	
14.00	-0.137	
15.00	0.033	
16.00	0.332	RB
20.00	0.333	
25.00	0.338	Paddy land



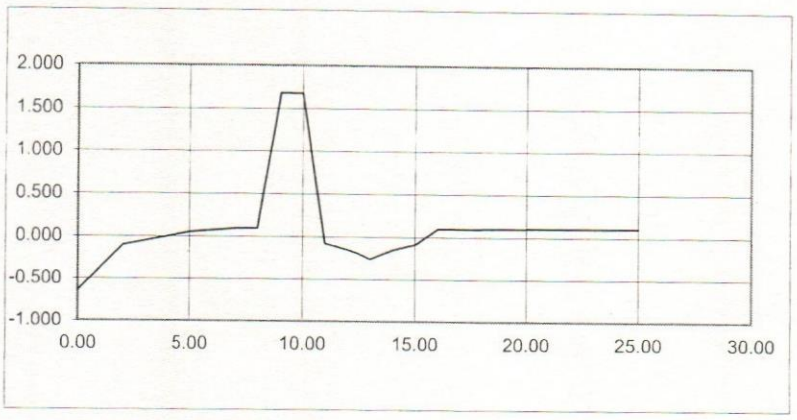
X - Section at km. 1.600

0.00	-1.991	Fisheries
2.00	-1.601	
5.00	-1.491	
7.00	-1.201	
9.00	-1.101	
10.00	-1.091	LB
11.00	-0.867	
12.00	-0.966	
12.50	-1.052	
13.00	-1.101	CL
13.50	-1.053	
14.00	-0.901	
15.00	-0.806	
16.00	0.034	RB
20.00	0.039	
25.00	0.044	Paddy land



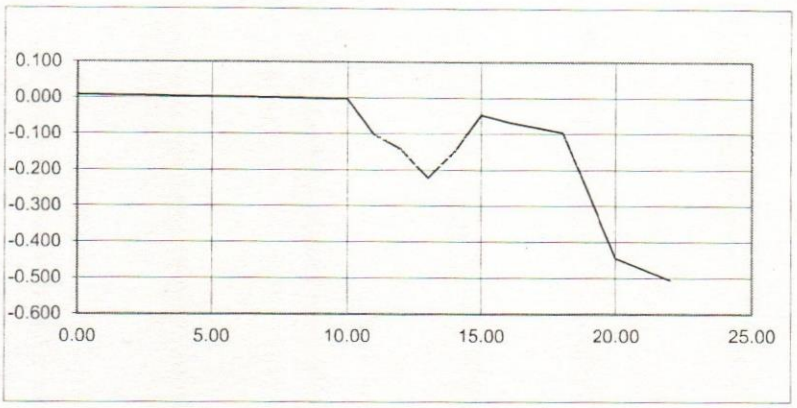
X - Section at km. 1.700

0.00	-0.637	Fisheries
2.00	-0.102	
5.00	0.053	
7.00	0.098	
8.00	0.103	
9.00	1.688	
10.00	1.683	LB
11.00	-0.072	
12.00	-0.152	
12.50	-0.198	
13.00	-0.257	CL
13.50	-0.207	
14.00	-0.152	
15.00	-0.082	
16.00	0.102	RB
20.00	0.108	
25.00	0.113	Paddy land



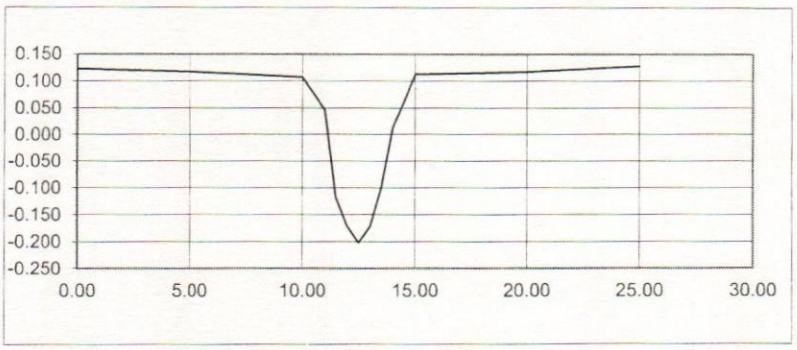
X - Section at km. 1.800

0.00	0.008	Open land
5.00	0.003	
10.00	-0.002	LB
11.00	-0.101	
12.00	-0.143	
12.50	-0.184	
13.00	-0.222	CL
13.50	-0.183	
14.00	-0.148	
15.00	-0.046	
16.00	-0.066	RB
18.00	-0.095	
20.00	-0.444	
22.00	-0.505	Ditch



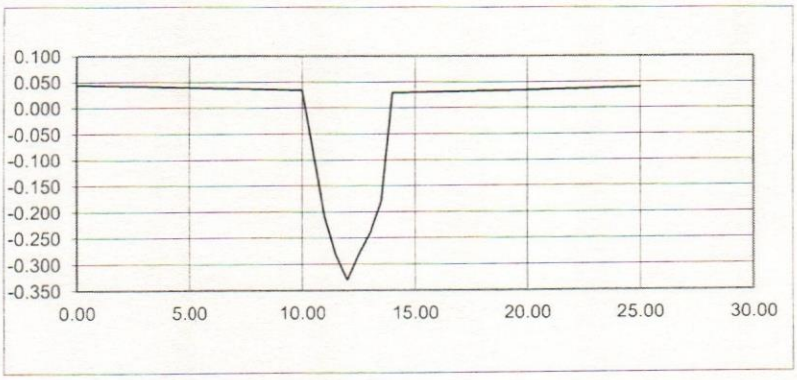
X - Section at km. 1.900

0.00	0.123	Paddy land
5.00	0.118	
10.00	0.108	LB
11.00	0.047	
11.50	-0.117	
12.00	-0.172	
12.50	-0.202	CL
13.00	-0.173	
13.50	-0.102	
14.00	0.012	
15.00	0.113	RB
20.00	0.118	
25.00	0.128	Paddy land



X - Section at km. 2.020

0.00	0.045	Paddy land
5.00	0.040	
10.00	0.035	LB
11.00	-0.210	
11.50	-0.282	
12.00	-0.330	CL
12.50	-0.281	
13.00	-0.241	
13.50	-0.180	
14.00	0.030	RB
20.00	0.035	
25.00	0.040	Paddy land



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

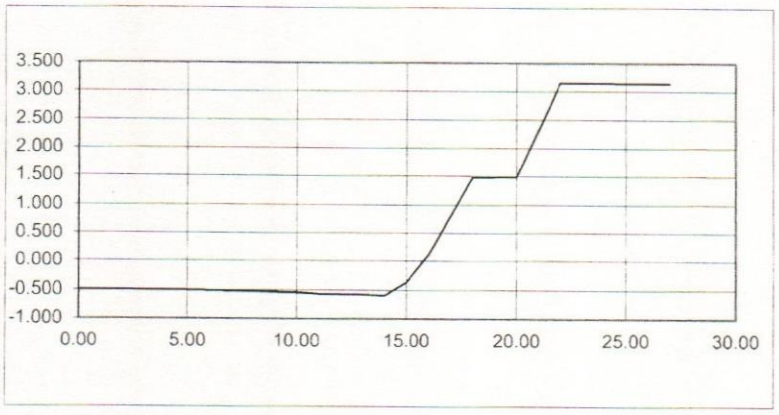
30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Out fall khal **(Hiron khal)** Re-excavation of Barshapara khal from km. 0.000 to km. 2.020 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-25.

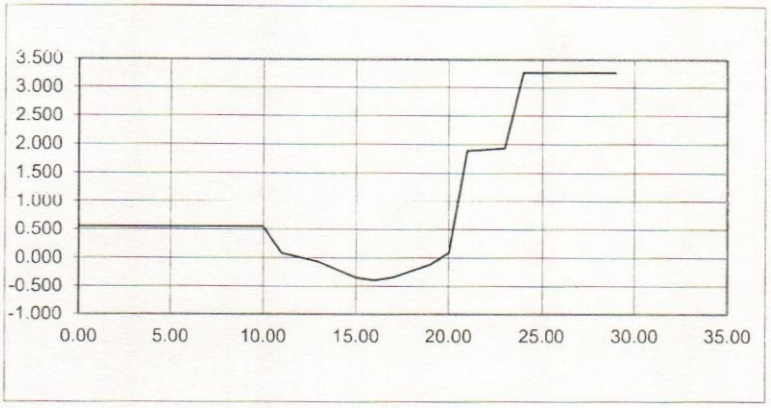
Cross section of Hiron khal along the Parshapara khal

0.00	-0.489	Khal bed
5.00	-0.501	
10.00	-0.538	LB
11.00	-0.563	
12.00	-0.567	
13.00	-0.570	
14.00	-0.586	CL
15.00	-0.364	
16.00	0.112	
18.00	1.481	RB
20.00	1.492	
22.00	3.147	
27.00	3.132	BC road



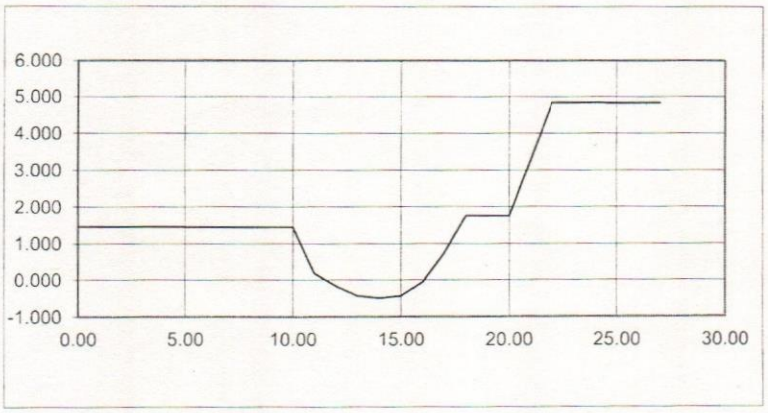
Cross section of Hiron khal 50 US from meeting point of Barshapara khal

0.00	0.556	Paddy land
5.00	0.551	
10.00	0.546	LB
11.00	0.086	
13.00	-0.065	
15.00	-0.339	
16.00	-0.389	CL
17.00	-0.334	
19.00	-0.119	
20.00	0.096	
21.00	1.896	RB
23.00	1.935	
24.00	3.273	
29.00	3.268	BC road



Cross section of Hiron khal 50 DS from meeting point of Barshapara khal

0.00	1.457	Paddy land
5.00	1.452	
10.00	1.447	LB
11.00	0.186	
12.00	-0.168	
13.00	-0.433	
14.00	-0.493	CL
15.00	-0.438	
16.00	-0.053	
17.00	0.747	
18.00	1.756	RB
20.00	1.752	
22.00	4.837	
27.00	4.827	BC road



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

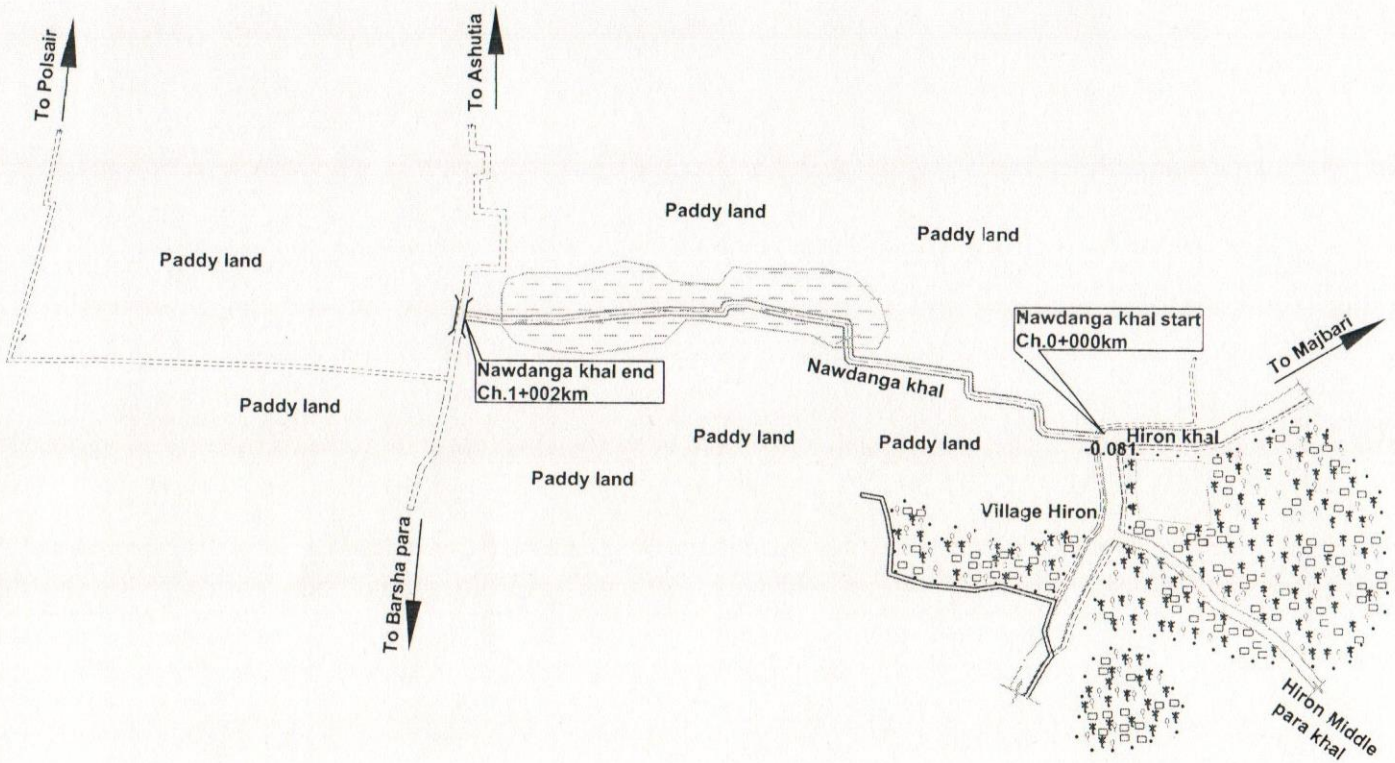
Data Checklist for the Re-excavation of Nawdanga khal

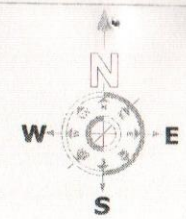
1.	Name of the proposed Khal	:	Nawdanga khal
2.	Catchments Area	:	120.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.135 m (PWD)
4.	Avg. Ground level of the area	:	0.501 m (PWD)
5.	Length of the Khal	:	1.002 km
6.	Bed level of the outfall Khal/River	:	(-) 0.251 (PWD) (Hiron khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	5.00m.
10.	The proposed bed level of the Khal	:	(-) 1.00 m (PWD)
11	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	26.00 km (SW-198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





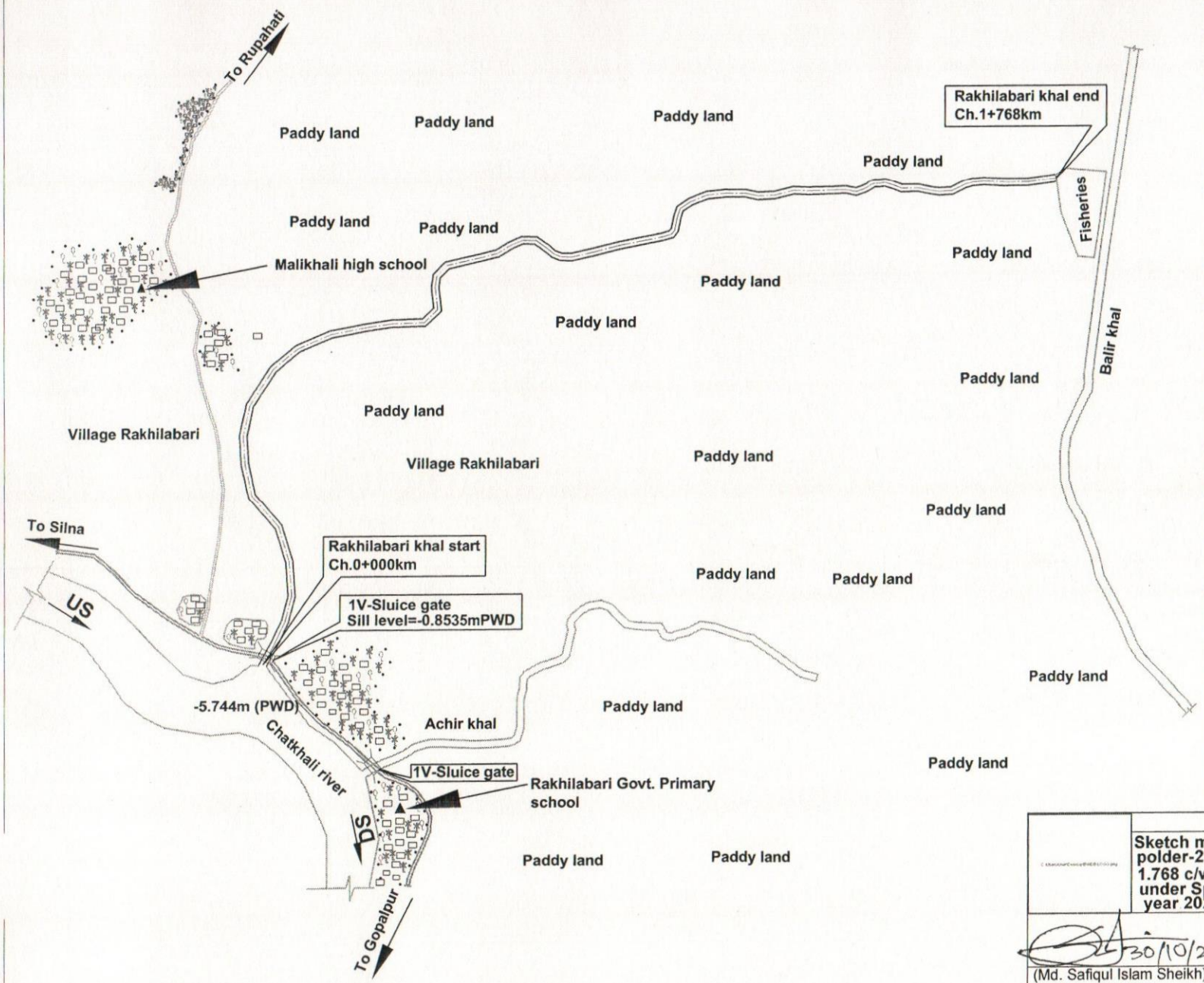
LEGEND:

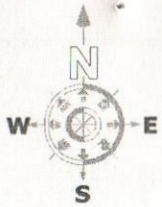
- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

Bangladesh Water Development Board

Sketch Map for Re-excavation of Nawdanga khal from km. 0.000 to km. 1.002 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

Bangladesh Water Development Board

Sketch map for Re-excavation of Rakhilabari khal in polder-2-1.768 km.Rakhilabari khal from km. 0.000 to km 1.768 c/wTarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2023-24.

30/10/24	30/10/24	30.10.24.
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Aminul Islam Sohag) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

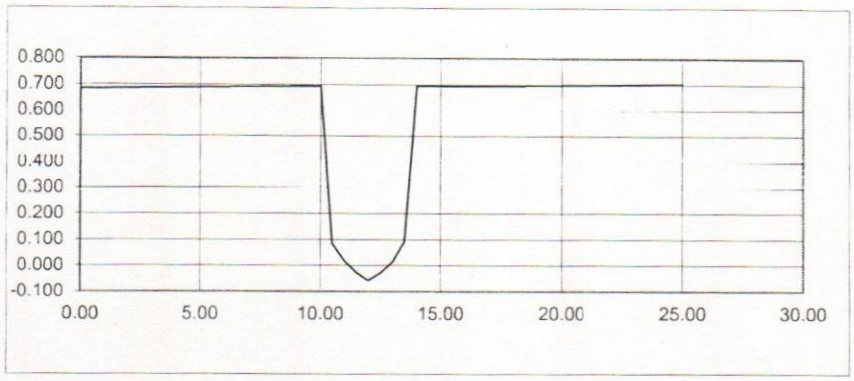
Cross Section for Re-excavation of Nawdanga khal from km. 0.000 to km. 1.002 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

X - Section at km. 0.000

0.00	1.909	House area
5.00	1.919	
10.00	1.939	LB
11.00	0.488	
13.00	0.239	
15.00	0.079	
16.00	0.019	CL
17.00	0.074	
19.00	0.232	
21.00	0.449	
22.00	1.929	RB
25.00	1.919	
30.00	1.904	Earthen road

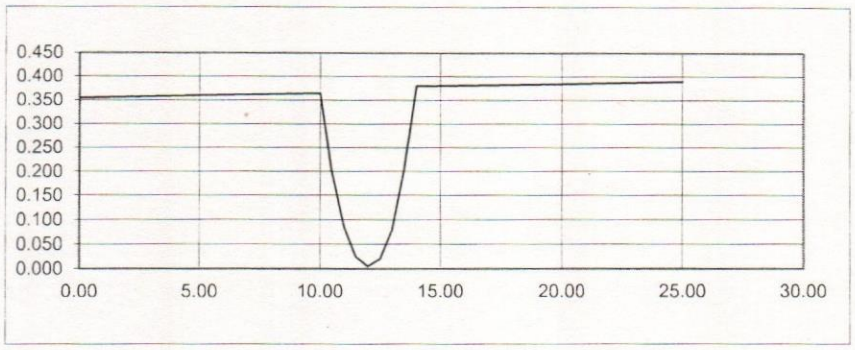
X - Section at km. 0.100

0.00	0.685	Paddy land
5.00	0.690	
10.00	0.695	LB
10.50	0.085	
11.00	0.019	
11.50	-0.026	
12.00	-0.055	CL
12.50	-0.027	
13.00	0.015	
13.50	0.090	
14.00	0.695	RB
20.00	0.700	
25.00	0.705	Paddy land



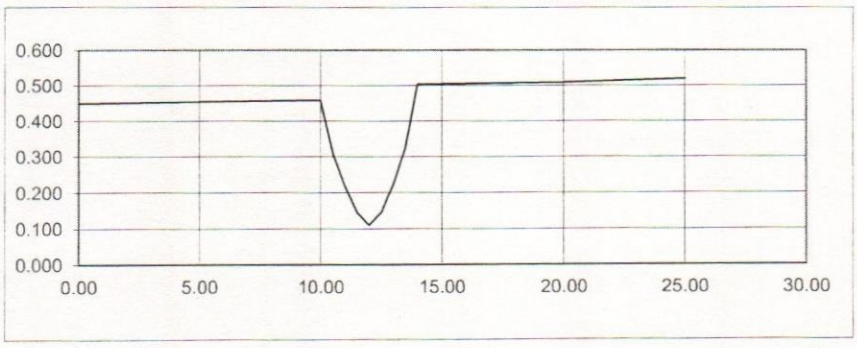
X - Section at km. 0.200

0.00	0.355	Paddy land
5.00	0.360	
10.00	0.365	LB
10.50	0.199	
11.00	0.085	
11.50	0.024	
12.00	0.005	CL
12.50	0.020	
13.00	0.079	
13.50	0.205	
14.00	0.380	RB
20.00	0.385	
25.00	0.390	Paddy land



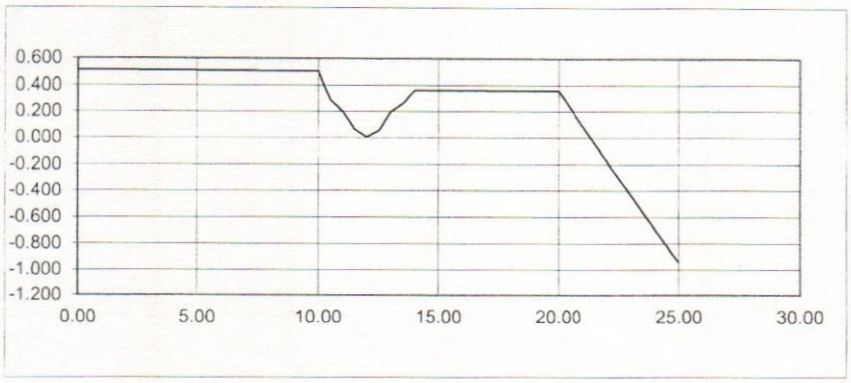
X - Section at km. 0.300

0.00	0.450	Paddy land
5.00	0.455	
10.00	0.459	LB
10.50	0.310	
11.00	0.220	
11.50	0.145	
12.00	0.110	CL
12.50	0.146	
13.00	0.225	
13.50	0.325	
14.00	0.505	RB
20.00	0.510	
25.00	0.520	Paddy land



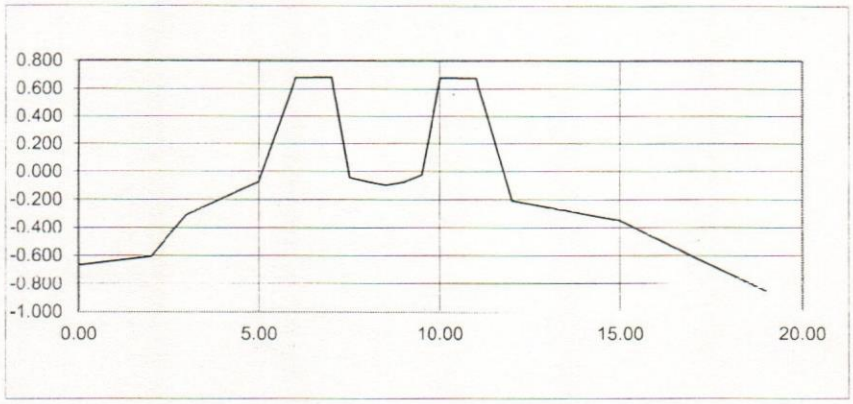
X - Section at km. 0.400

0.00	0.513	Paddy land
5.00	0.508	
10.00	0.503	LB
10.50	0.288	
11.00	0.197	
11.50	0.067	
12.00	0.008	CL
12.50	0.058	
13.00	0.197	
13.50	0.258	
14.00	0.363	RB
20.00	0.358	
25.00	-0.942	Paddy land



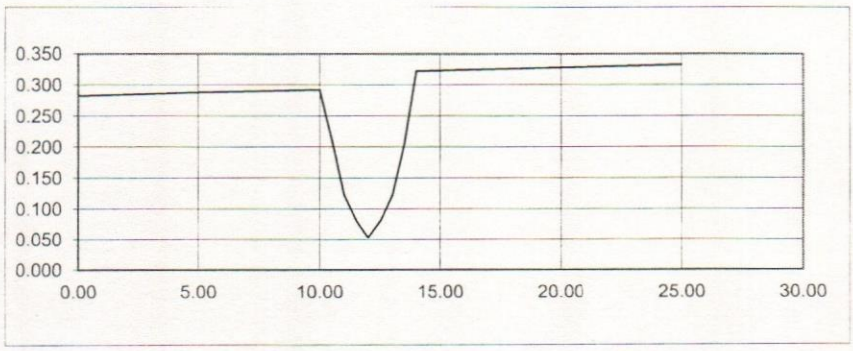
X - Section at km. 0.500

0.00	-0.668	Ditch
2.00	-0.607	
3.00	-0.307	
5.00	-0.073	
6.00	0.678	
7.00	0.683	LB
7.50	-0.042	
8.00	-0.072	
8.50	-0.097	CL
9.00	-0.075	
9.50	-0.022	
10.00	0.678	RB
11.00	0.673	
12.00	-0.207	
15.00	-0.347	
17.00	-0.607	
19.00	-0.852	Ditch



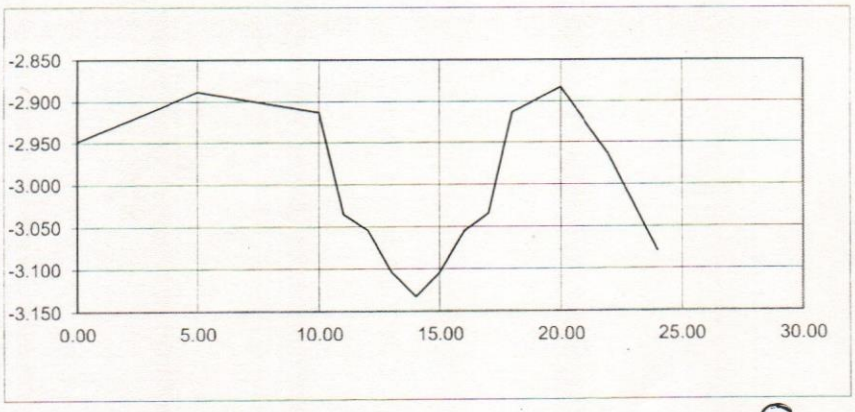
X - Section at km. 0.600

0.00	0.283	Home
5.00	0.288	
10.00	0.292	LB
10.50	0.212	
11.00	0.123	
11.50	0.082	
12.00	0.053	CL
12.50	0.081	
13.00	0.122	
13.50	0.205	
14.00	0.323	RB
20.00	0.328	
25.00	0.333	Paddy land



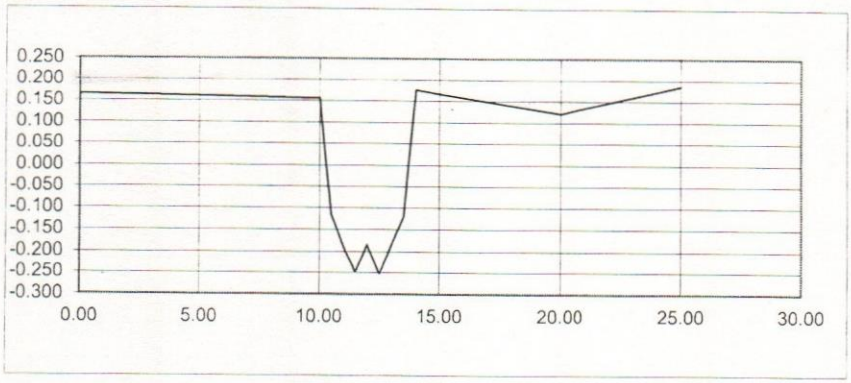
X - Section at km. 0.700

0.00	-2.948	Ditch
5.00	-2.888	
10.00	-2.913	LB
11.00	-3.035	
12.00	-3.054	
13.00	-3.105	
14.00	-3.133	CL
15.00	-3.104	
16.00	-3.055	
17.00	-3.034	
18.00	-2.913	RB
20.00	-2.883	
22.00	-2.964	
24.00	-3.079	Ditch



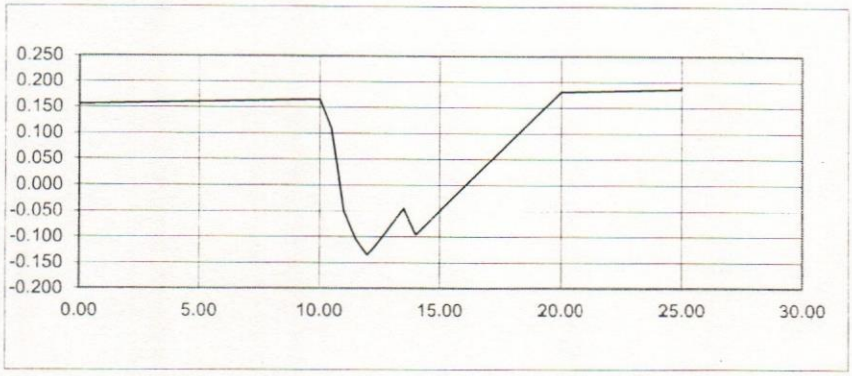
X - Section at km. 0.800

0.00	0.166	Paddy land
5.00	0.161	
10.00	0.156	LB
10.50	-0.116	
11.00	-0.189	
11.50	-0.249	
12.00	-0.184	CL
12.50	-0.252	
13.00	-0.186	
13.50	-0.119	
14.00	0.176	RB
20.00	0.121	
25.00	0.186	Paddy land



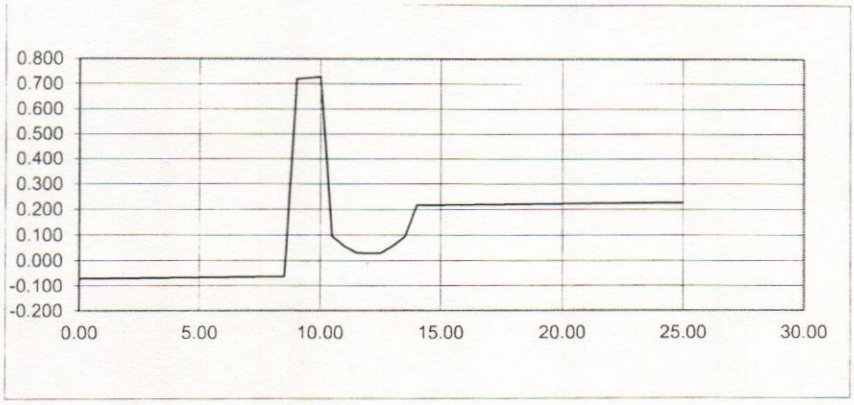
X - Section at km. 0.900

0.00	0.156	Paddy land
5.00	0.161	
10.00	0.166	LB
10.50	0.109	
11.00	-0.049	
11.50	-0.104	
12.00	-0.135	CL
12.50	-0.106	
13.50	-0.044	
14.00	-0.095	
20.00	0.181	RB
25.00	0.186	
25.00	0.191	Paddy land



X - Section at km. 1.002

0.00	-0.072	Low land
5.00	-0.067	
8.50	-0.062	
9.00	0.720	
10.00	0.728	LB
10.50	0.096	
11.00	0.056	
11.50	0.032	
12.00	0.028	CL
12.50	0.030	
13.00	0.057	
13.50	0.093	
14.00	0.218	RB
20.00	0.223	
25.00	0.228	Paddy land



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
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BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

Sadiur 30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

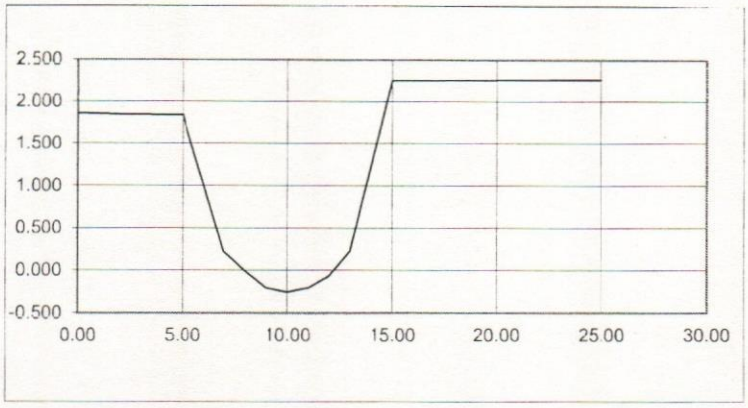
Cross Section forf Out fall khal **(Hiron khal)** Re-excavation of Nawdanga khal from km. 0.000 to km. 1.002 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

Cross section of Hiron khal along the Naedanga khal

0.00	0.038	Khal bed
5.00	0.028	
10.00	0.020	LB
11.00	0.019	
13.00	-0.020	
15.00	-0.026	
16.00	-0.081	CL
17.00	-0.022	
19.00	0.141	
21.00	0.423	
22.00	2.384	RB
27.00	2.394	
30.00	2.308	House

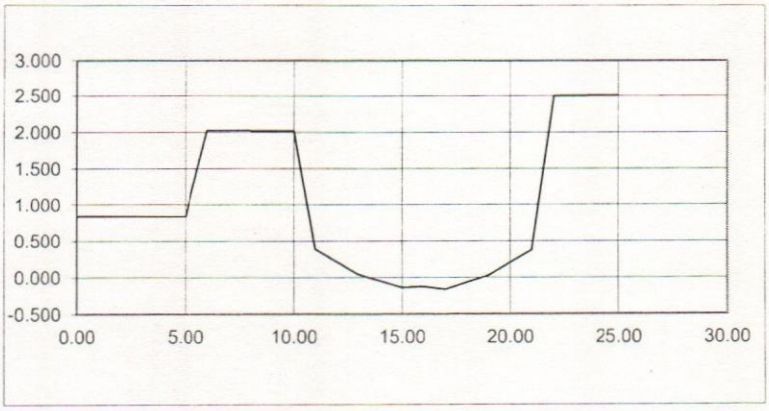
Cross section of Hiron khal 50 US from meeting point of Naedanga khal

0.00	1.864	House
2.00	1.847	Earthen road
5.00	1.838	LB
7.00	0.219	
8.00	-0.012	
9.00	-0.202	
10.00	-0.251	CL
11.00	-0.203	
12.00	-0.061	
13.00	0.224	
15.00	2.249	RB
20.00	2.259	
25.00	2.264	House area



Cross section of Hiron khal 50 DS from meeting point of Nawdanga khal

0.00	0.839	Paddy land
5.00	0.845	
6.00	2.035	Earthen road
10.00	2.024	LB
11.00	0.388	
13.00	0.039	
15.00	-0.136	
16.00	-0.121	CL
17.00	-0.161	
19.00	0.028	
21.00	0.374	
22.00	2.499	RB
25.00	2.509	House



Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
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IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Bhangar khal

1.	Name of the proposed Khal	:	Bhangar khal
2.	Catchments Area	:	275.00 Hac
3.	The lowest level up to which drainage requires	:	-0.92 m (PWD)
4.	Avg. Ground level of the area	:	0.41 m (PWD)
5.	Length of the Khal	:	2.682 km
6.	Bed level of the outfall Khal/River	:	(-) 7.168 (PWD) (Ghagar River)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	3.00m.
10.	The proposed bed level of the Khal	:	(-) 1.50 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	33.00 km (SW -198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
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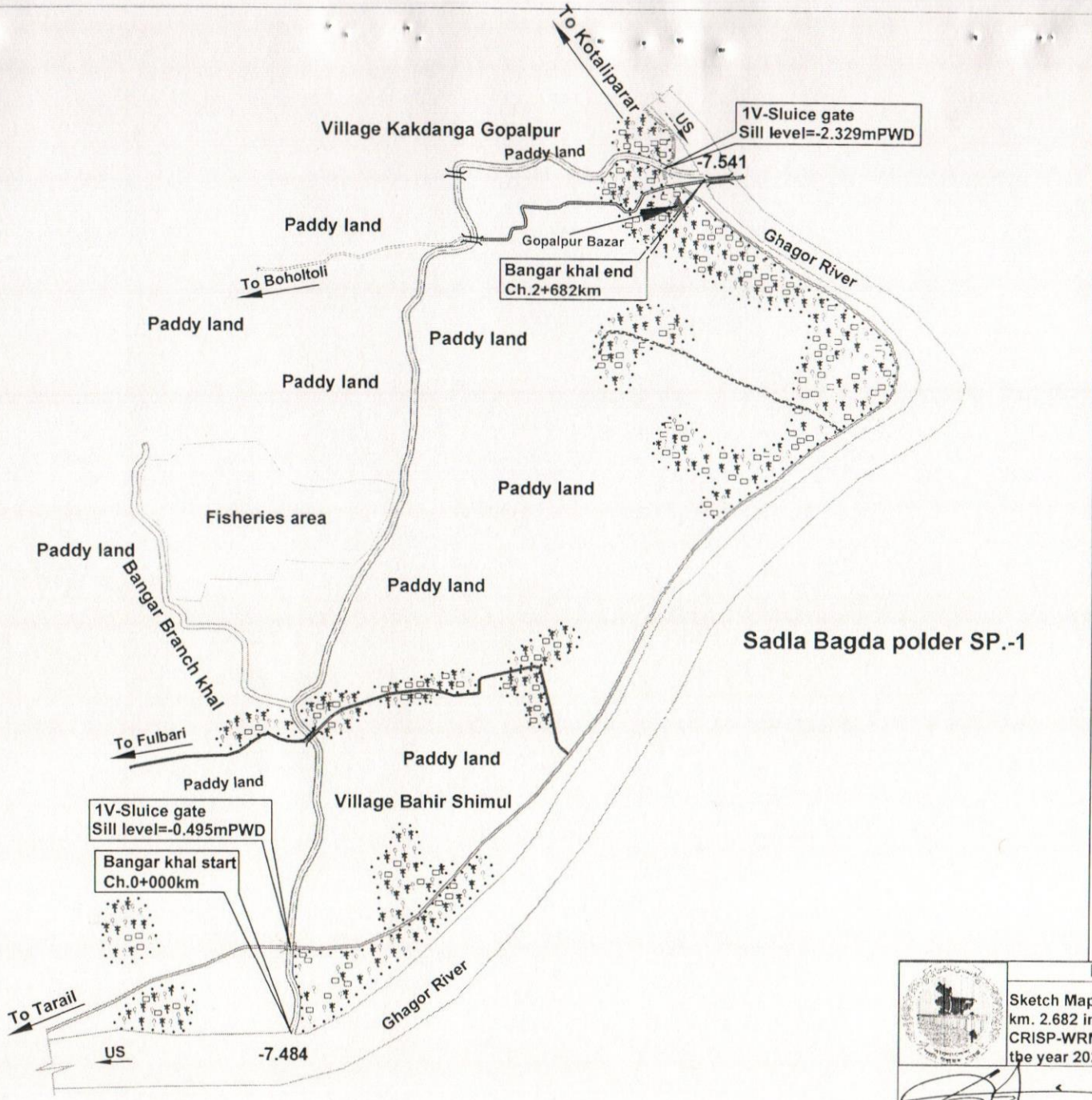
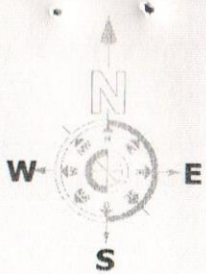
30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Charch , Temple , Graveyard,.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

Bangladesh Water Development Board

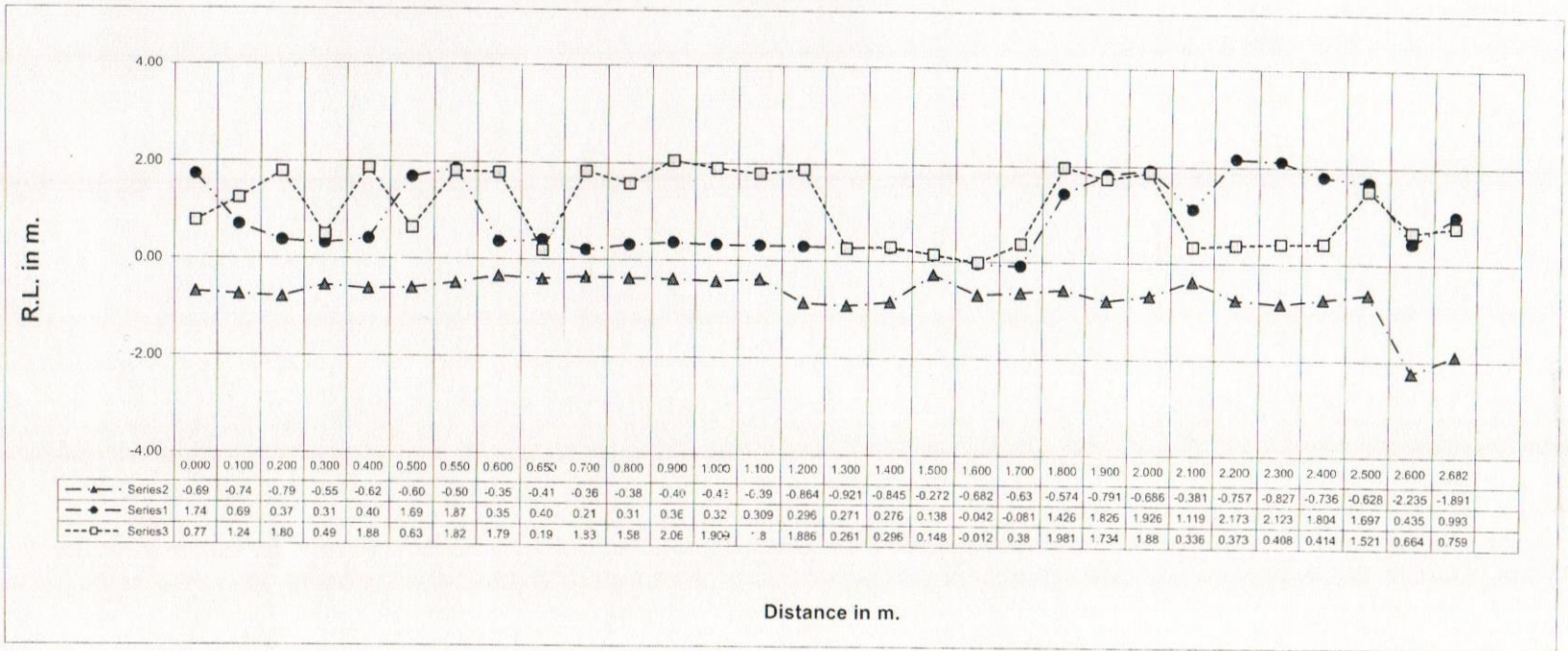
Sketch Map for Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	30/10/24 (Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	Sadiur 30.10.24 (Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch. Long Section of Bhangar khal

Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.550	0.600	0.650	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500	2.600	2.682
C/L R.L.	-0.69	-0.74	-0.79	-0.55	-0.62	-0.60	-0.50	-0.35	-0.41	-0.36	-0.38	-0.40	-0.43	-0.39	-0.864	-0.92	-0.845	-0.272	-0.682	-0.63	-0.574	-0.791	-0.686	-0.381	-0.757	-0.83	-0.736	-0.628	-2.235	-1.891
L/BR.L.	1.74	0.69	0.37	0.31	0.40	1.69	1.87	0.35	0.40	0.21	0.31	0.36	0.32	0.309	0.296	0.271	0.276	0.138	-0.042	-0.081	1.426	1.826	1.926	1.119	2.173	2.123	1.804	1.697	0.435	0.993
R/B R.L.	0.77	1.24	1.80	0.49	1.88	0.63	1.82	1.79	0.19	1.83	1.58	2.06	1.909	1.8	1.886	0.261	0.296	0.148	-0.012	0.38	1.981	1.734	1.88	0.336	0.373	0.408	0.414	1.521	0.664	0.759

Long Section for re-excavation of Bhangar khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.550	0.600	0.650	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500	2.600	2.682
Series2	-0.69	-0.74	-0.79	-0.55	-0.62	-0.60	-0.50	-0.35	-0.41	-0.36	-0.38	-0.40	-0.43	-0.39	-0.864	-0.921	-0.845	-0.272	-0.682	-0.63	-0.574	-0.791	-0.686	-0.381	-0.757	-0.827	-0.736	-0.628	-2.235	-1.891
Series1	1.74	0.69	0.37	0.31	0.40	1.69	1.87	0.35	0.40	0.21	0.31	0.36	0.32	0.309	0.296	0.271	0.276	0.138	-0.042	-0.081	1.426	1.826	1.926	1.119	2.173	2.123	1.804	1.697	0.435	0.993
Series3	0.77	1.24	1.80	0.49	1.88	0.63	1.82	1.79	0.19	1.83	1.58	2.06	1.909	1.8	1.886	0.261	0.296	0.148	-0.012	0.38	1.981	1.734	1.88	0.336	0.373	0.408	0.414	1.521	0.664	0.759

BANGLADESH WATER DEVELOPMENT BOARD

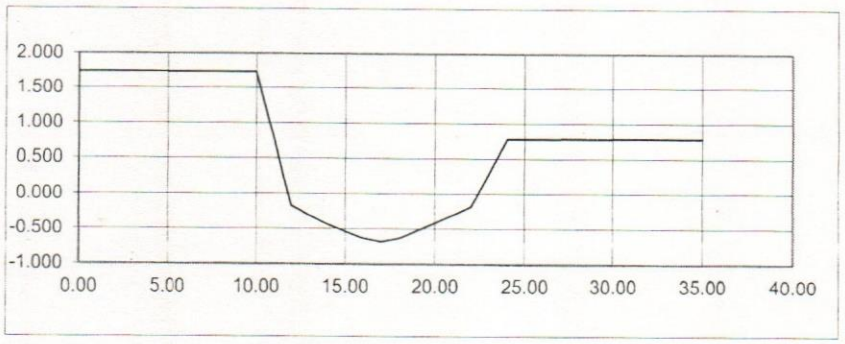
Long Section For Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section For Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

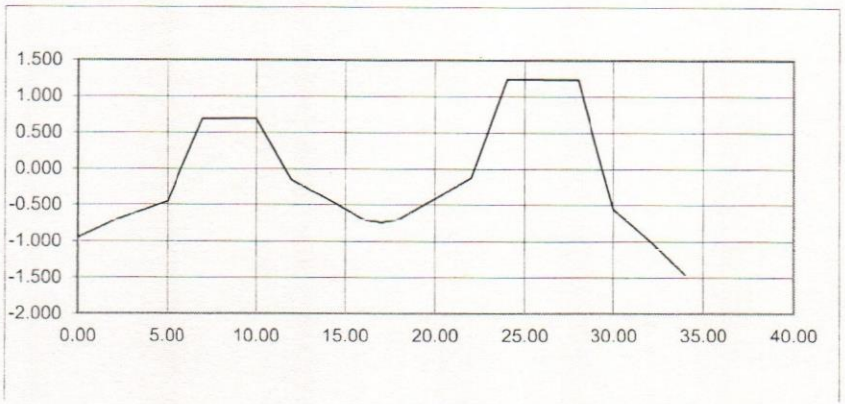
X - Section at km. 0.000

0.00	1.747	House Area
5.00	1.742	
10.00	1.737	LB
12.00	-0.168	
14.00	-0.433	
16.00	-0.639	
17.00	-0.688	CL
18.00	-0.638	
20.00	-0.419	
22.00	-0.183	
24.00	0.772	RB
30.00	0.777	
35.00	0.782	Open land



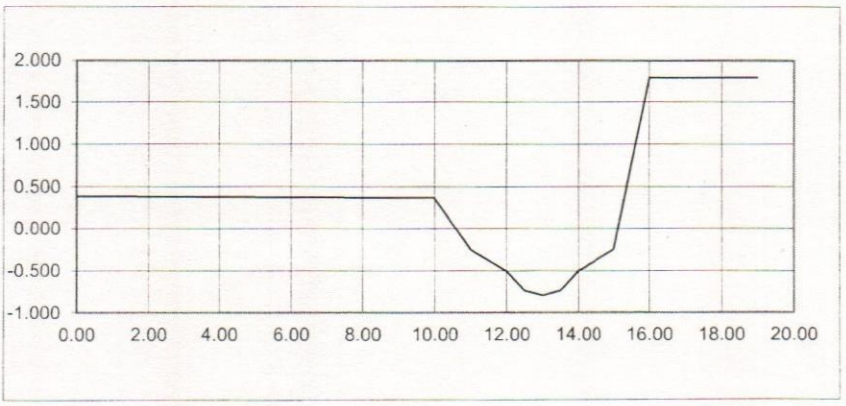
X - Section at km. 0.100

0.00	-0.948	Ditch
2.00	-0.714	
5.00	-0.448	
7.00	0.682	
10.00	0.692	LB
12.00	-0.146	
14.00	-0.409	
16.00	-0.692	
17.00	-0.738	CL
18.00	-0.689	
20.00	-0.410	
22.00	-0.114	
24.00	1.242	RB
28.00	1.234	
30.00	-0.548	
32.00	-0.978	
34.00	-1.448	Pond



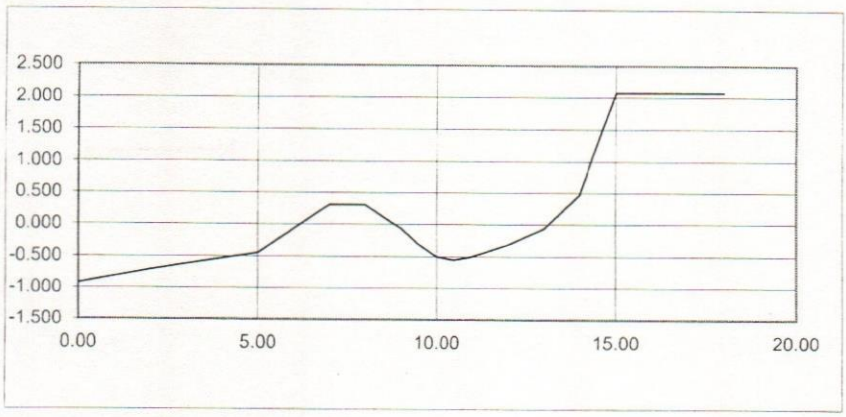
X - Section at km. 0.200

0.00	0.386	Pond bank
5.00	0.377	
10.00	0.367	LB
11.00	-0.253	
12.00	-0.504	
12.50	-0.733	
13.00	-0.793	CL
13.50	-0.734	
14.00	-0.505	
15.00	-0.248	
16.00	1.797	RB
19.00	1.792	HBB road



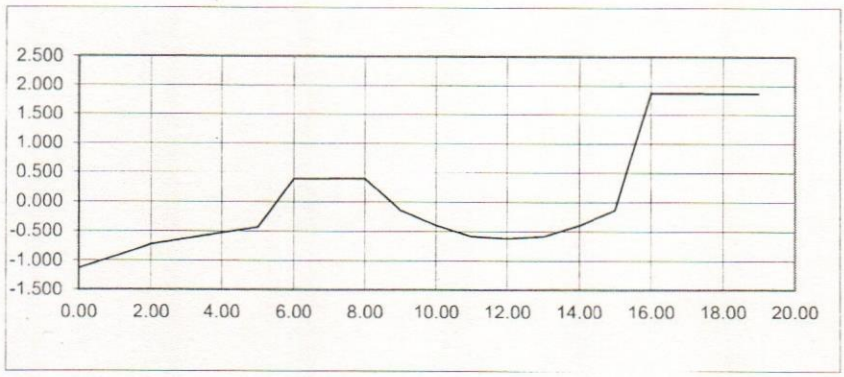
X - Section at km. 0.300

0.00	-0.925	Ditch
2.00	-0.712	
5.00	-0.450	
7.00	0.314	LB
8.00	0.312	
9.00	-0.061	
9.50	-0.311	
10.00	-0.502	CL
10.50	-0.550	
11.00	-0.501	
12.00	-0.312	
13.00	-0.060	RB
14.00	0.489	
14.00	0.515	
15.00	2.080	
18.00	2.075	HBB road



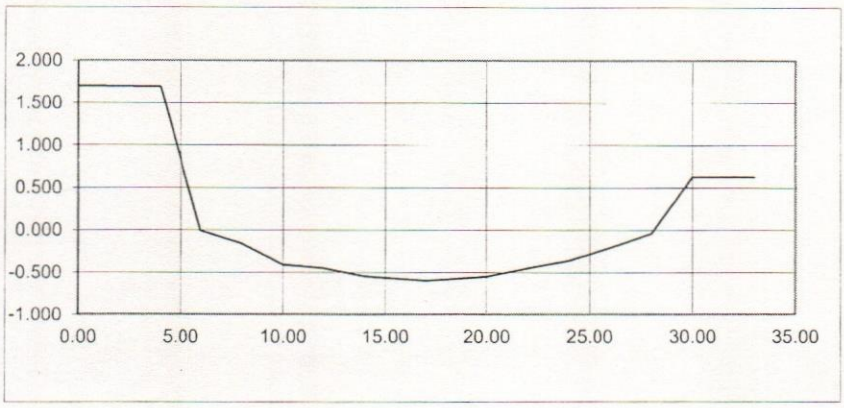
X - Section at km. 0.400

0.00	-1.130	Ditch
2.00	-0.730	
5.00	-0.430	
6.00	0.395	
8.00	0.404	LB
9.00	-0.145	
10.00	-0.391	
11.00	-0.582	
12.00	-0.620	CL
13.00	-0.581	
14.00	-0.392	
15.00	-0.140	
16.00	1.880	RB
19.00	1.872	HBB road



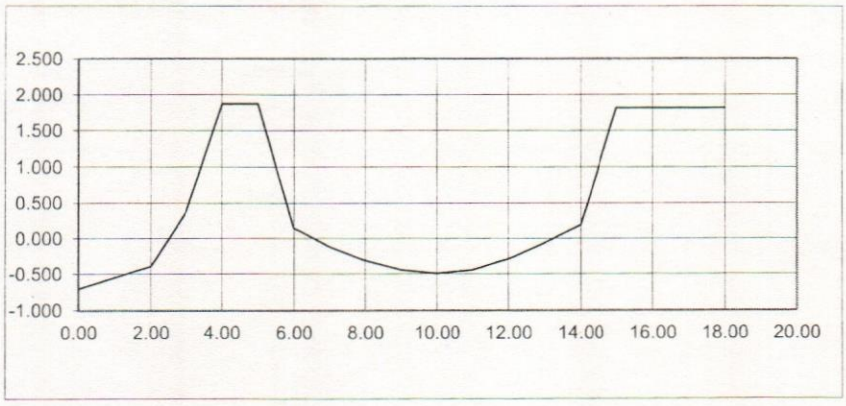
X - Section at km. 0.500

0.00	1.702	House Area
4.00	1.693	LB
6.00	-0.007	
8.00	-0.158	
10.00	-0.407	
12.00	-0.448	
14.00	-0.548	
17.00	-0.599	CL
20.00	-0.549	
22.00	-0.449	
24.00	-0.358	
26.00	-0.207	
28.00	-0.042	
30.00	0.633	RB
33.00	0.628	HBB road



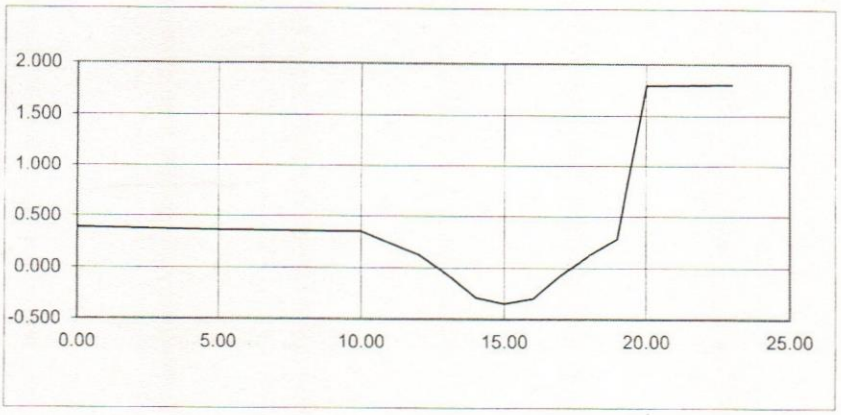
X - Section at km. 0.550

0.00	-0.703	Ditch
2.00	-0.397	
3.00	0.385	
4.00	1.868	
5.00	1.873	LB
6.00	0.142	
7.00	-0.112	
8.00	-0.307	
9.00	-0.448	
10.00	-0.497	CL
11.00	-0.449	
12.00	-0.287	
13.00	-0.058	
14.00	0.188	
15.00	1.818	RB
18.00	1.815	HBB road



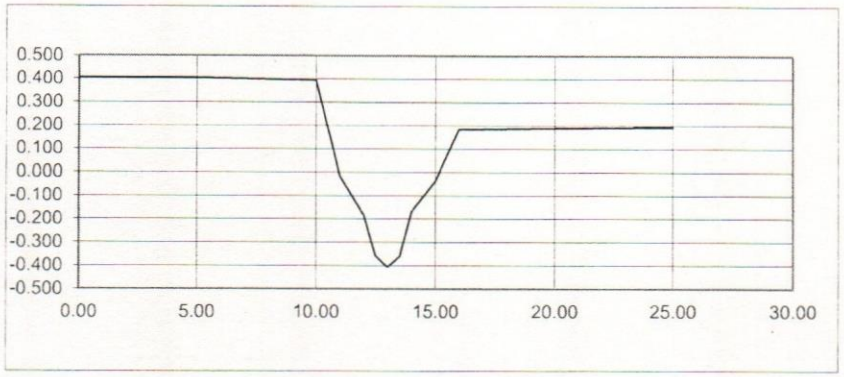
X - Section at km. 0.600

0.00	0.393	Paddy land
5.00	0.368	
10.00	0.353	LB
11.00	0.242	
12.00	0.133	
13.00	-0.058	
14.00	-0.289	
15.00	-0.347	CL
16.00	-0.297	
17.00	-0.059	
18.00	0.128	
19.00	0.288	
20.00	1.793	RB
23.00	1.803	HBB road



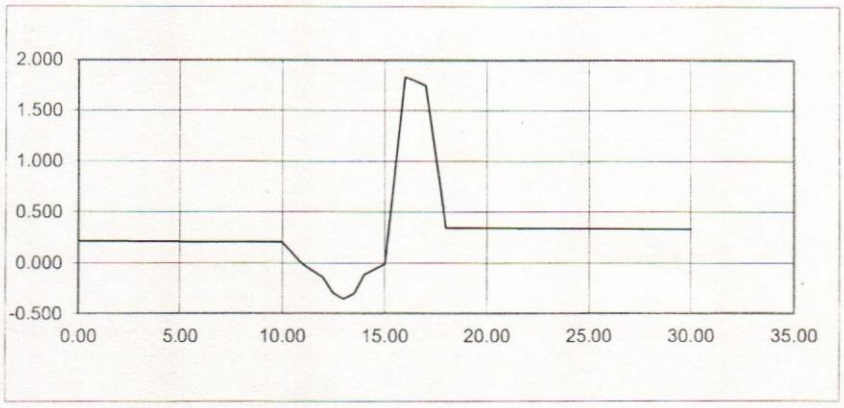
X - Section at km. 0.650

0.00	0.405	Paddy land
5.00	0.404	
10.00	0.395	LB
11.00	-0.015	
12.00	-0.180	
12.50	-0.359	
13.00	-0.405	CL
13.50	-0.360	
14.00	-0.166	
15.00	-0.036	
16.00	0.185	RB
20.00	0.190	
25.00	0.195	Paddy land



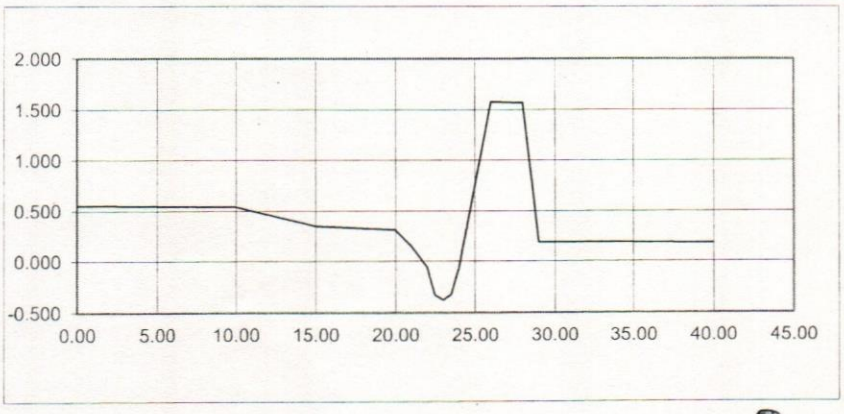
X - Section at km. 0.700

0.00	0.215	Paddy land
5.00	0.210	
10.00	0.205	LB
11.00	-0.010	
12.00	-0.140	
12.50	-0.296	
13.00	-0.355	CL
13.50	-0.301	
14.00	-0.115	
15.00	-0.010	
16.00	1.834	RB
17.00	1.745	
18.00	0.345	
25.00	0.340	
30.00	0.334	Paddy land



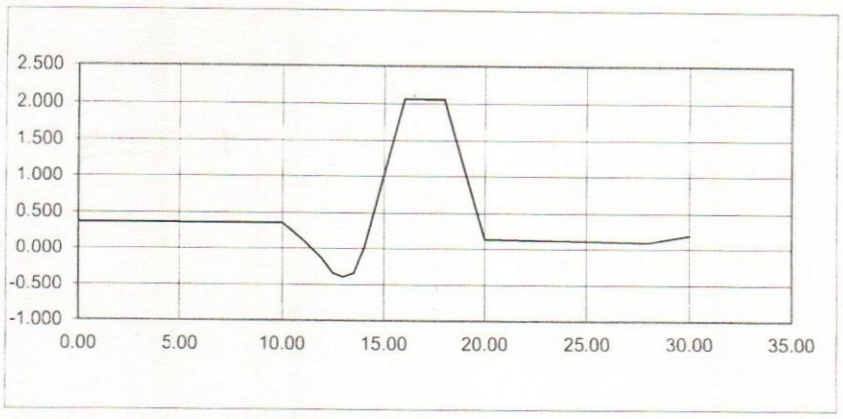
X - Section at km. 0.800

0.00	0.551	Paddy land
5.00	0.546	
10.00	0.540	
15.00	0.350	
20.00	0.311	LB
21.00	0.149	
22.00	-0.060	
22.50	-0.334	
23.00	-0.379	CL
23.50	-0.329	
24.00	-0.064	
26.00	1.581	
28.00	1.573	
29.00	0.191	
35.00	0.186	
40.00	0.181	Paddy land



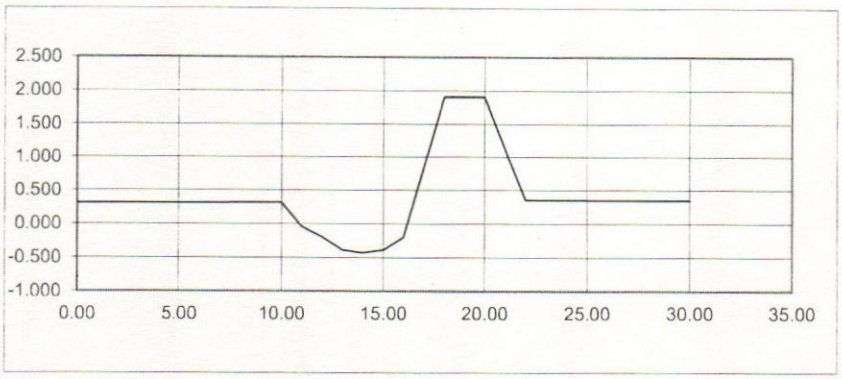
X - Section at km. 0.900

0.00	0.370	Paddy land
5.00	0.365	
10.00	0.360	LB
11.00	0.135	
12.00	-0.150	
12.50	-0.341	
13.00	-0.395	CL
13.50	-0.340	
14.00	-0.011	
16.00	2.060	RB
18.00	2.052	
20.00	0.140	
25.00	0.115	
28.00	0.100	
30.00	0.201	Paddy land



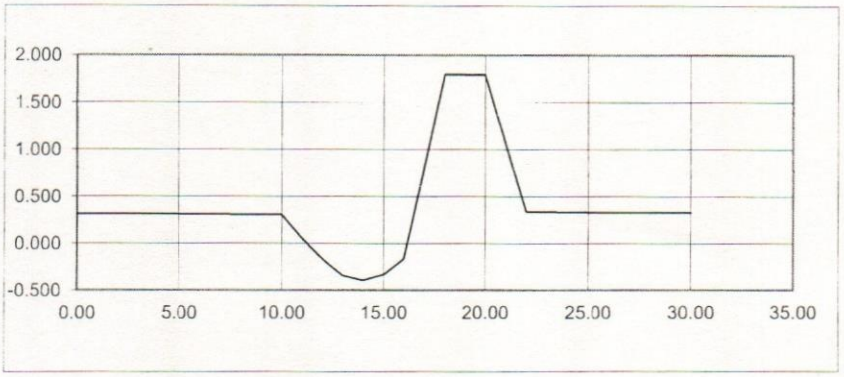
X - Section at km. 1.000

0.00	0.305	Paddy land
5.00	0.310	
10.00	0.320	LB
11.00	-0.040	
12.00	-0.195	
13.00	-0.385	
14.00	-0.430	CL
15.00	-0.390	
16.00	-0.200	
18.00	1.909	RB
20.00	1.905	
22.00	0.360	
25.00	0.355	
30.00	0.350	Paddy land



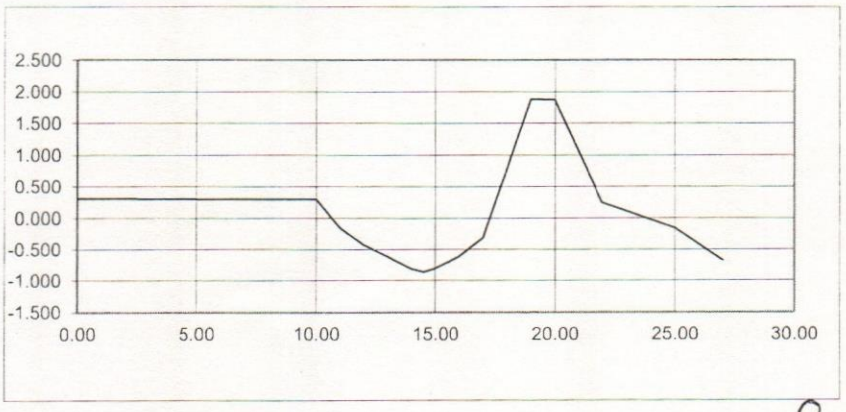
X - Section at km. 1.100

0.00	0.319	Open land
5.00	0.315	
10.00	0.309	LB
11.00	0.060	
12.00	-0.165	
13.00	-0.340	
14.00	-0.390	CL
15.00	-0.331	
16.00	-0.166	
18.00	1.800	
20.00	1.795	RB
22.00	0.340	BC road
25.00	0.335	
30.00	0.330	



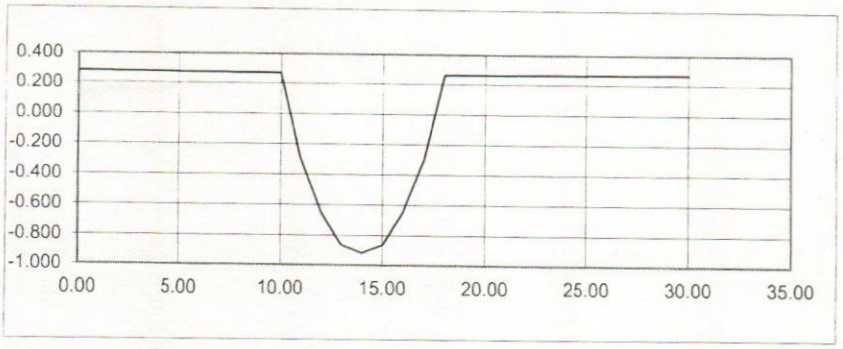
X - Section at km. 1.200

0.00	0.311	Paddy land
5.00	0.301	
10.00	0.296	LB
11.00	-0.154	
12.00	-0.424	
13.00	-0.615	
14.00	-0.816	
14.50	-0.864	CL
15.00	-0.813	
16.00	-0.616	
17.00	-0.315	
19.00	1.886	RB
20.00	1.878	
22.00	0.246	
25.00	-0.154	
27.00	-0.684	Ditch



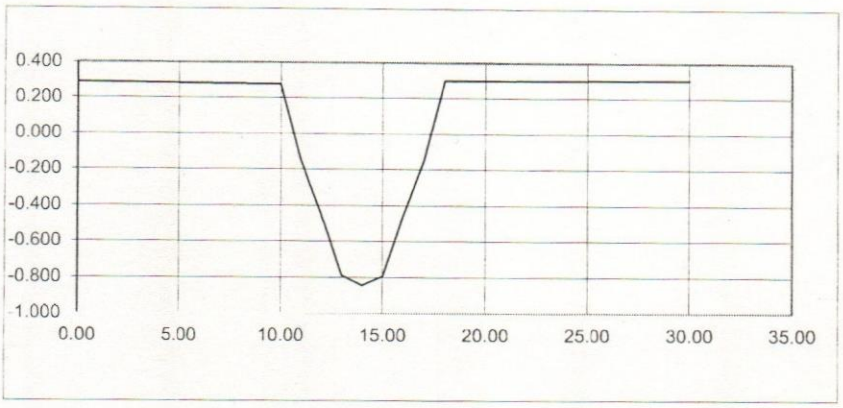
X - Section at km. 1.300

0.00	0.281	Paddy land
5.00	0.276	
10.00	0.271	LB
11.00	-0.284	
12.00	-0.645	
13.00	-0.865	
14.00	-0.921	CL
15.00	-0.864	
16.00	-0.646	
17.00	-0.299	
18.00	0.261	RB
25.00	0.266	
30.00	0.271	Paddy land



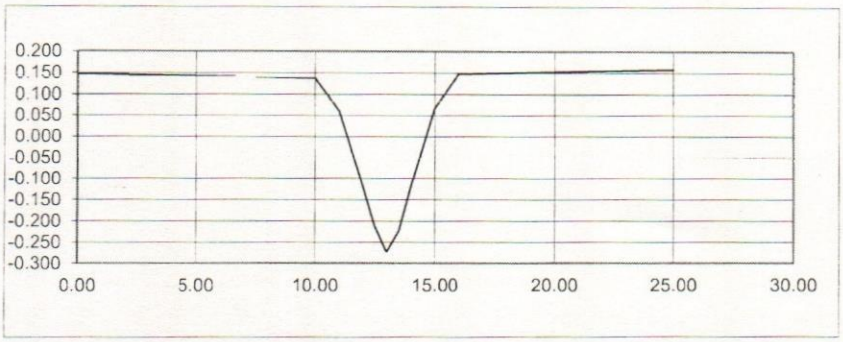
X - Section at km. 1.400

0.00	0.286	Paddy land
5.00	0.281	
10.00	0.276	LB
11.00	-0.146	
12.00	-0.445	
13.00	-0.789	
14.00	-0.845	CL
15.00	-0.794	
16.00	-0.454	
17.00	0.145	
18.00	0.296	RB
25.00	0.301	
30.00	0.306	Paddy land



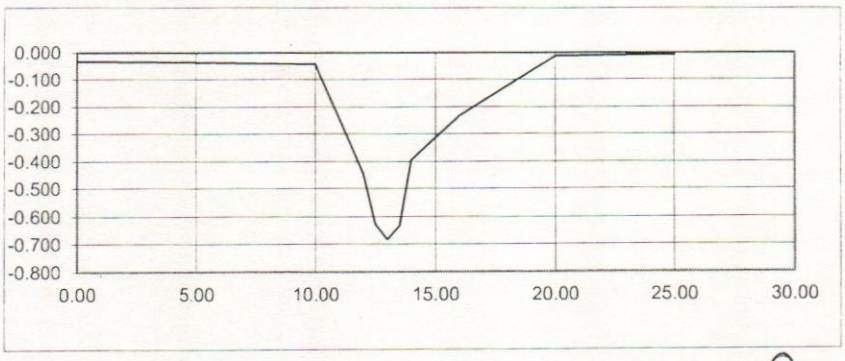
X - Section at km. 1.500

0.00	0.148	Paddy land
5.00	0.143	
10.00	0.138	LB
11.00	0.062	
12.00	-0.117	
12.50	-0.212	
13.00	-0.272	CL
13.50	-0.222	
14.00	-0.118	
15.00	0.068	
16.00	0.148	RB
20.00	0.153	
25.00	0.158	Paddy land



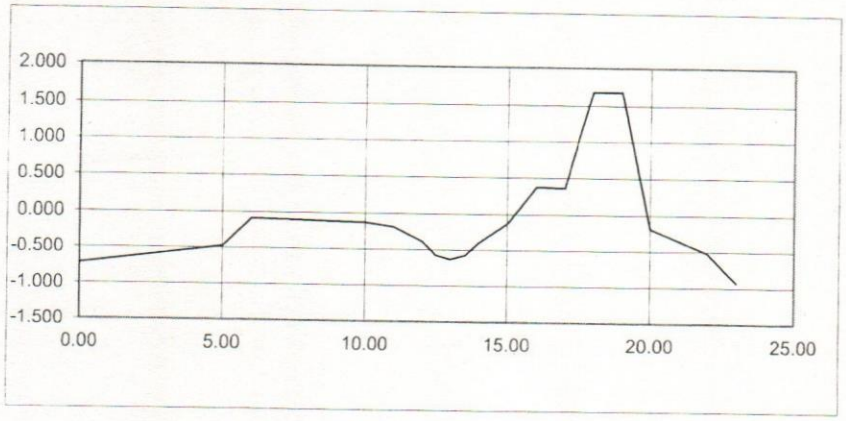
X - Section at km. 1.600

0.00	-0.032	Paddy land
5.00	-0.035	
10.00	-0.042	LB
11.00	-0.238	
12.00	-0.442	
12.50	-0.627	
13.00	-0.682	CL
13.50	-0.632	
14.00	-0.393	
16.00	-0.232	RB
20.00	-0.012	
25.00	-0.007	Paddy land



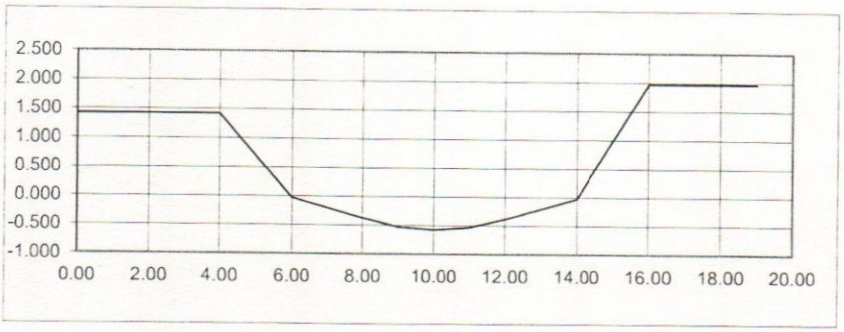
X - Section at km. 1.700

0.00	-0.720	Ditch
5.00	-0.481	
6.00	-0.081	
10.00	-0.121	LB
11.00	-0.182	
12.00	-0.381	
12.50	-0.578	
13.00	-0.630	CL
13.50	-0.580	
14.00	-0.395	
15.00	-0.120	
16.00	0.380	RB
17.00	0.370	
18.00	1.690	
19.00	1.695	
20.00	-0.180	
22.00	-0.520	
23.00	-0.920	Ditch



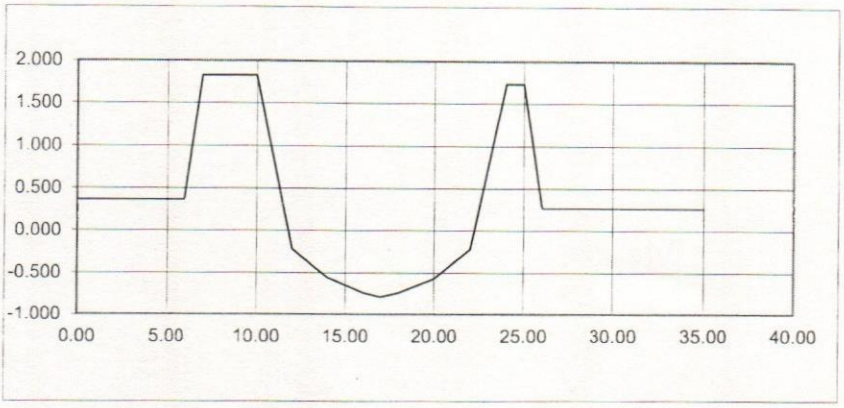
X - Section at km. 1.800

0.00	1.431	House
4.00	1.426	LB
6.00	-0.026	
8.00	-0.374	
9.00	-0.525	
10.00	-0.574	CL
11.00	-0.529	
12.00	-0.382	
14.00	-0.025	
16.00	1.981	RB
19.00	1.976	HBB road



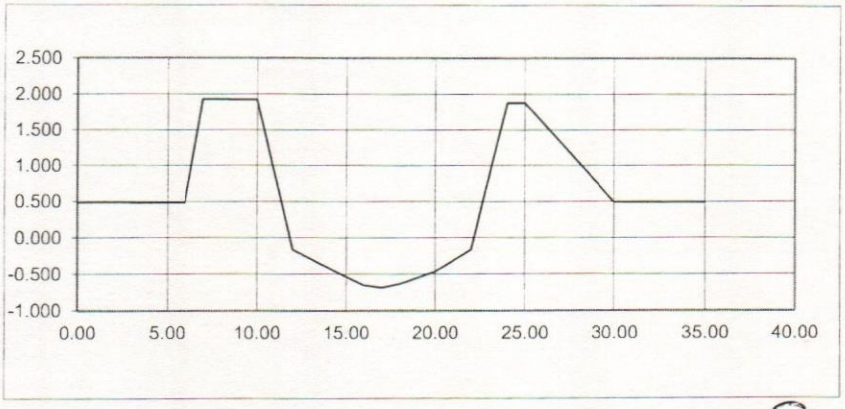
X - Section at km. 1.900

0.00	0.369	Paddy land
6.00	0.364	
7.00	1.830	HBB road
10.00	1.826	LB
12.00	-0.217	
14.00	-0.556	
16.00	-0.736	
17.00	-0.791	CL
18.00	0.737	
20.00	-0.566	
22.00	-0.218	
24.00	1.734	RB
25.00	1.729	
26.00	0.284	
30.00	0.279	
35.00	0.274	Paddy land



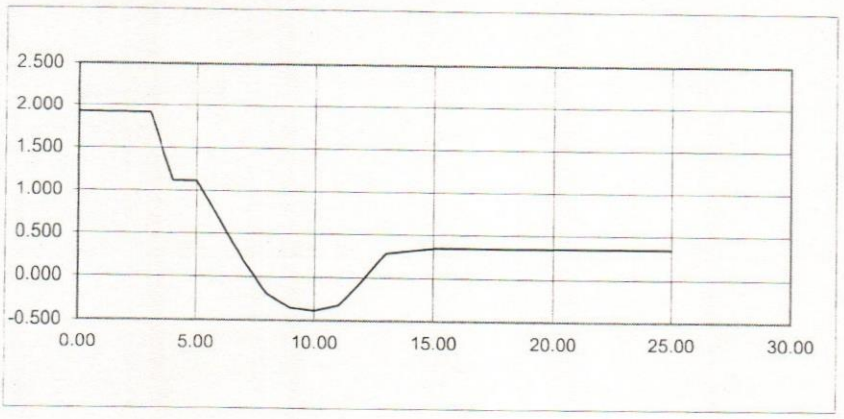
X - Section at km. 2.000

0.00	0.489	Paddy land
6.00	0.483	
7.00	1.934	HBB road
10.00	1.926	LB
12.00	-0.166	
14.00	-0.417	
16.00	-0.655	
17.00	-0.686	CL
18.00	-0.637	
20.00	-0.466	
22.00	-0.167	
24.00	1.880	RB
25.00	1.884	
30.00	0.494	
35.00	0.489	Paddy land



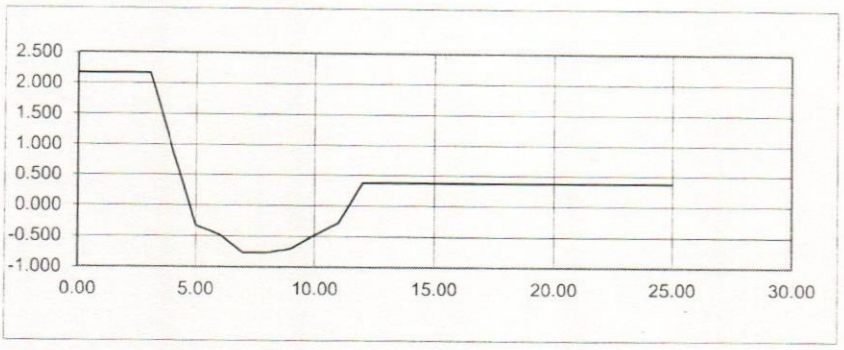
X - Section at km. 2.100

0.00	1.929	HBB road
3.00	1.918	
4.00	1.125	
5.00	1.119	LB
7.00	0.178	
8.00	-0.187	
9.00	-0.351	
10.00	-0.381	CL
11.00	-0.322	
12.00	-0.036	
13.00	0.274	
15.00	0.336	RB
20.00	0.339	
25.00	0.349	Paddy land



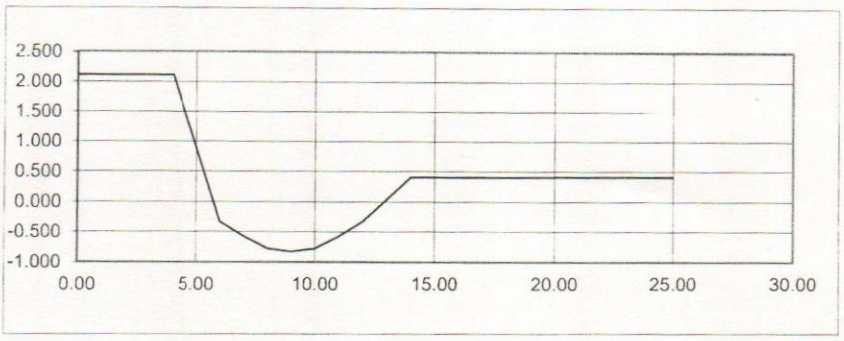
X - Section at km. 2.200

0.00	2.168	HBB road
3.00	2.173	
5.00	-0.327	LB
6.00	-0.478	
7.00	-0.762	
8.00	-0.757	
9.00	-0.697	CL
10.00	-0.479	
11.00	-0.278	
12.00	0.373	RB
20.00	0.378	
25.00	0.383	Paddy land



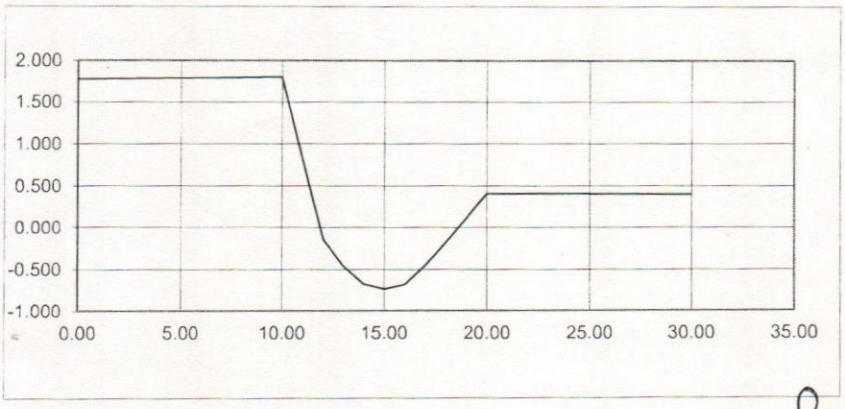
X - Section at km. 2.300

0.00	2.118	HBB road
4.00	2.123	LB
6.00	-0.332	
7.00	-0.572	
8.00	-0.775	
9.00	-0.827	CL
10.00	-0.772	
11.00	-0.573	
12.00	-0.327	
14.00	0.408	RB
20.00	0.413	
25.00	0.418	Paddy land



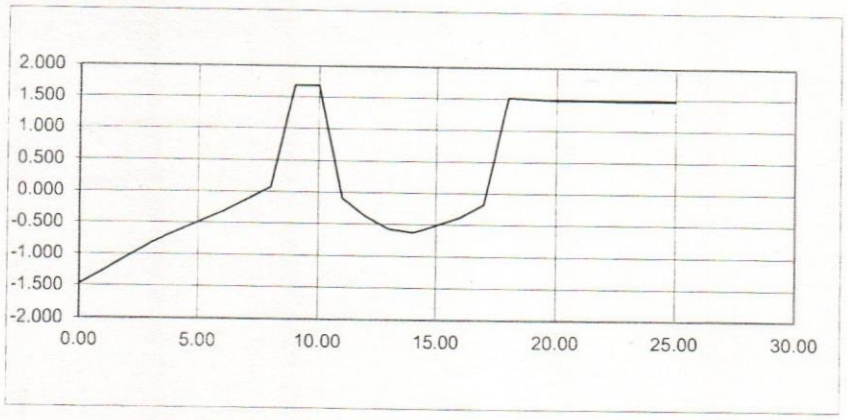
X - Section at km. 2.400

0.00	1.774	HBB road
7.00	1.794	
10.00	1.804	LB
12.00	-0.137	
13.00	-0.457	
14.00	-0.676	
15.00	-0.736	CL
16.00	-0.681	
17.00	-0.456	
18.00	-0.176	
20.00	0.414	RB
25.00	0.409	
30.00	0.404	Paddy land



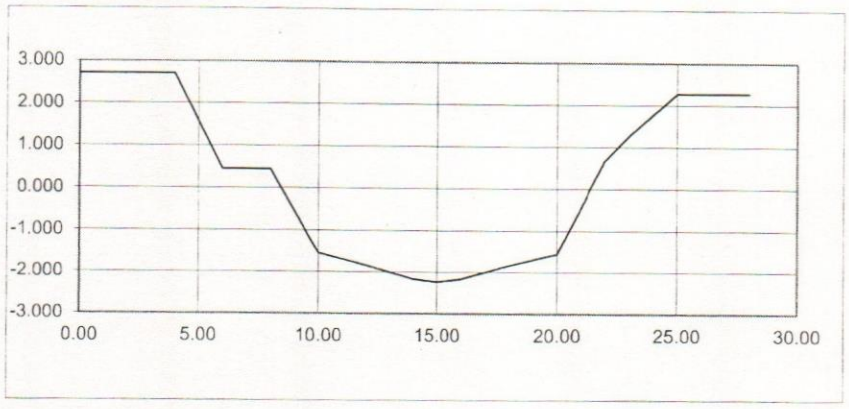
X - Section at km. 2.500

0.00	-1.479	Ditch
3.00	-0.818	
6.00	-0.318	
8.00	0.082	
9.00	1.692	
10.00	1.697	LB
11.00	-0.084	
12.00	-0.379	
13.00	-0.574	
14.00	-0.628	CL
14.50	-0.573	
16.00	-0.383	
17.00	-0.173	
18.00	1.521	RB
20.00	1.482	
25.00	1.472	House



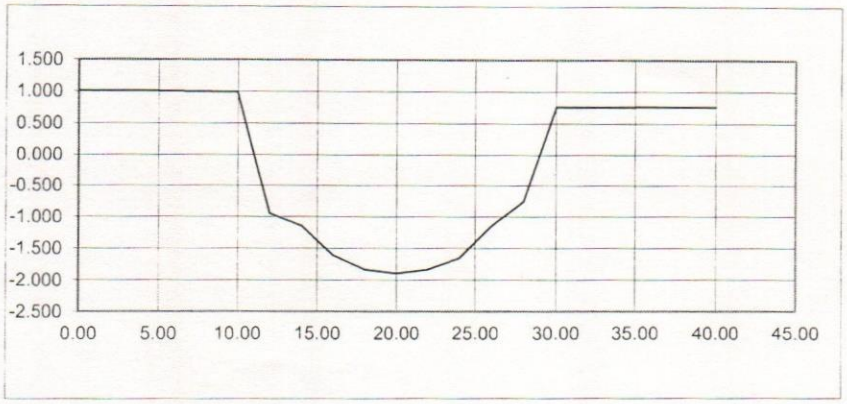
X - Section at km. 2.598

0.00	2.710	HBB road
4.00	2.715	
6.00	0.445	
8.00	0.435	LB
10.00	-1.540	
12.00	-1.836	
14.00	-2.165	
15.00	-2.235	
16.00	-2.167	
18.00	-1.837	
20.00	-1.550	
22.00	0.664	RB
23.00	1.270	
25.00	2.275	
28.00	2.270	House



X - Section at km. 2.682

0.00	1.009
5.00	1.004
10.00	0.993
12.00	-0.941
14.00	-1.141
16.00	-1.602
18.00	-1.832
20.00	-1.891
22.00	-1.831
24.00	-1.651
26.00	-1.141
28.00	-0.751
30.00	0.759
35.00	0.764
40.00	0.769



30/10/24
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(Sadiur Rahman)
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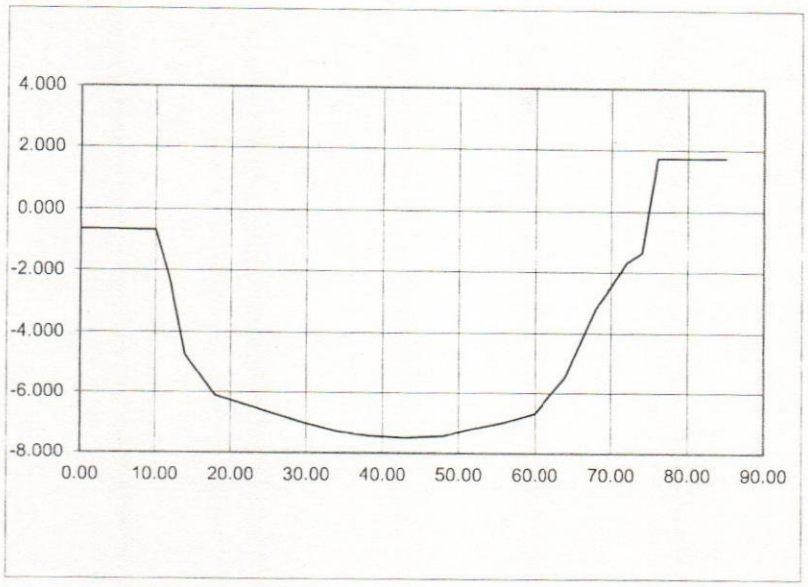
Cross Section of Out fall river **(Ghagar River)** Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

Cross section of Ghagar River along the Bhangar khal

0.00	-0.635	Khal bed
5.00	-0.665	
10.00	-0.680	RB
12.00	-2.353	
14.00	-4.748	
18.00	-6.119	
22.00	-6.419	
26.00	-6.719	
30.00	-7.024	
34.00	-7.268	
38.00	-7.420	
43.00	-7.484	CL
48.00	-7.419	
52.00	-7.168	
56.00	-6.958	
60.00	-6.668	
64.00	-5.468	
68.00	-3.168	
72.00	-1.673	
74.00	-1.343	
76.00	1.732	LB
80.00	1.737	
85.00	1.742	House Area

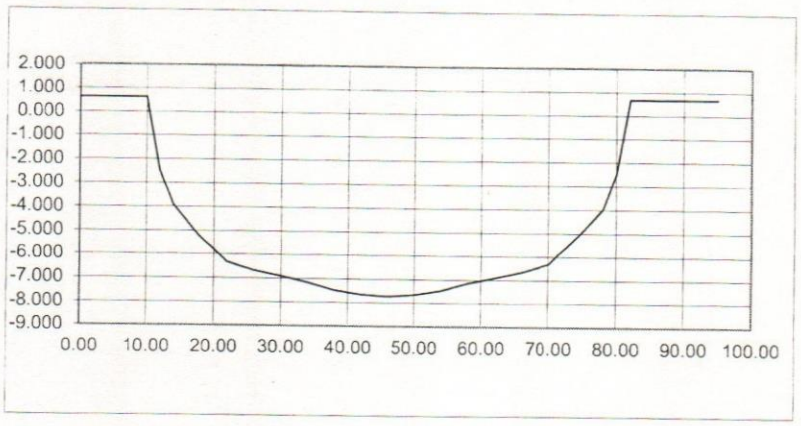


Cross section of Ghagar River 50 US from meeting point of Bhangar khal

0.00	0.791	Garden
5.00	0.787	
10.00	0.777	RB
12.00	-2.263	
14.00	-3.558	
18.00	-5.820	
22.00	-6.203	
26.00	-6.434	
30.00	-6.768	
34.00	-7.024	
38.00	-7.238	
43.00	-7.319	CL
48.00	-7.249	
52.00	-7.033	
56.00	-6.770	
60.00	-6.419	
64.00	-6.164	
68.00	-5.819	
72.00	-3.573	
74.00	-2.248	
76.00	0.712	LB
80.00	0.717	
85.00	0.722	Open land

Cross section of Ghagar River 50 DS from meeting point of Bhangar khal

0.00	0.642	Garden
5.00	0.637	
10.00	0.632	LB
12.00	-2.473	
14.00	-3.913	
18.00	-5.268	
22.00	-6.334	
26.00	-6.673	
30.00	-6.918	
34.00	-7.158	
38.00	-7.473	
42.00	-7.650	
46.00	-7.718	CL
50.00	-7.649	
54.00	-7.453	
58.00	-7.152	
62.00	-6.913	
66.00	-6.658	
70.00	-6.319	
74.00	-5.223	
78.00	-3.973	
80.00	-2.473	
82.00	0.681	RB
90.00	0.687	
95.00	0.692	Open land



30/10/24
(Md. Safiqul Islam Sheikh)
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Sadiur
30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
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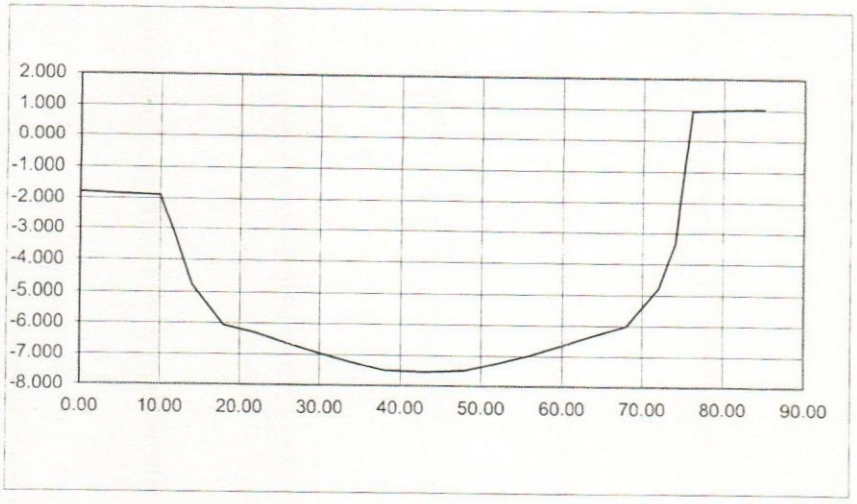
BWDB, Gopalgonj

Cross Section of Offtake river **(Ghagor river)** Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

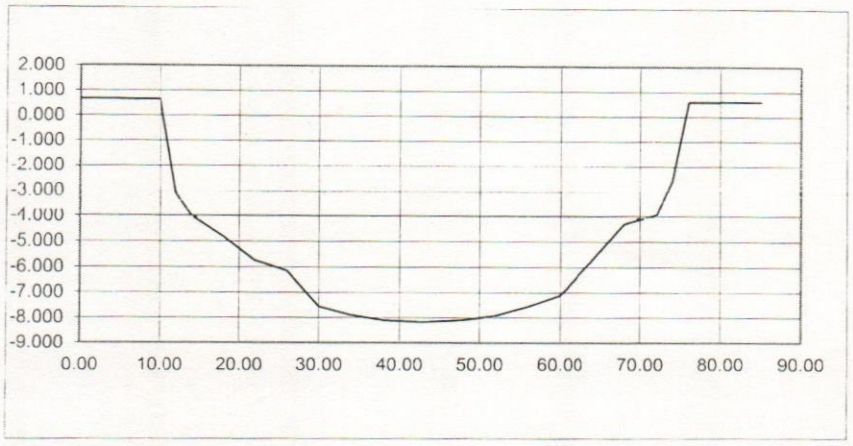
Cross section of Ghagor river along the Bhagar khal

0.00	-1.780	Khal
5.00	-1.844	
10.00	-1.890	LB
12.00	-3.302	
14.00	-4.741	
18.00	-6.056	
22.00	-6.302	
26.00	-6.651	
30.00	-6.947	
34.00	-7.241	
38.00	-7.492	
43.00	-7.541	
48.00	-7.481	
52.00	-7.241	
56.00	-6.976	
60.00	-6.646	
64.00	-6.316	
68.00	-6.007	
72.00	-4.751	
74.00	-3.351	
76.00	0.949	RB
80.00	1.004	
85.00	1.044	



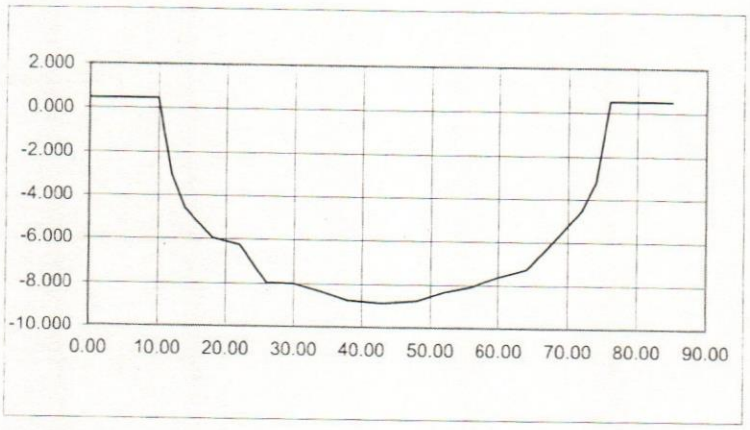
Cross section of Ghagor river 50m US from meeting point of Bhangar khal

0.00	0.659	Open land
5.00	0.649	
10.00	0.639	LB
12.00	-3.091	
14.00	-4.011	
18.00	-4.802	
22.00	-5.741	
26.00	-6.156	
30.00	-7.556	
34.00	-7.902	
38.00	-8.102	
43.00	-8.171	
48.00	-8.096	
52.00	-7.911	
56.00	-7.541	
60.00	-7.116	
64.00	-5.741	
68.00	-4.302	
72.00	-3.941	
74.00	-2.556	
76.00	0.598	RB
80.00	0.604	
85.00	0.619	Open land



Cross section of Ghagor river 50m DS from meeting point of Bhangar khal

0.00	0.474	Open land
5.00	0.469	
10.00	0.459	LB
12.00	-3.006	
14.00	-4.541	
18.00	-5.951	
22.00	-6.241	
26.00	-7.941	
30.00	-7.991	
34.00	-8.336	
38.00	-8.731	
43.00	-8.841	
48.00	-8.732	
52.00	-8.321	
56.00	-8.056	
60.00	-7.602	
64.00	-7.247	
68.00	-5.902	
72.00	-4.456	
74.00	-3.141	
76.00	0.514	RB
80.00	0.519	
85.00	0.524	Open land



30/10/24
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30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Bhangar Branch khal

1.	Name of the proposed Khal	:	Bhangar Branch khal
2.	Catchments Area	:	200.00 Hac
3.	The lowest level up to which drainage requires	:	-1.43 m (PWD)
4.	Avg. Ground level of the area	:	0.22 m (PWD)
5.	Length of the Khal	:	1.842 km
6.	Bed level of the outfall Khal/River	:	(-) .497 (PWD) (Bhanga khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	5.000m.
10.	The proposed bed level of the Khal	:	(-) 1.50 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	34.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

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30.10.24
(Sadiur Rahman)
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Specialized Division
IDWRM-KT (CRISP-WRM)
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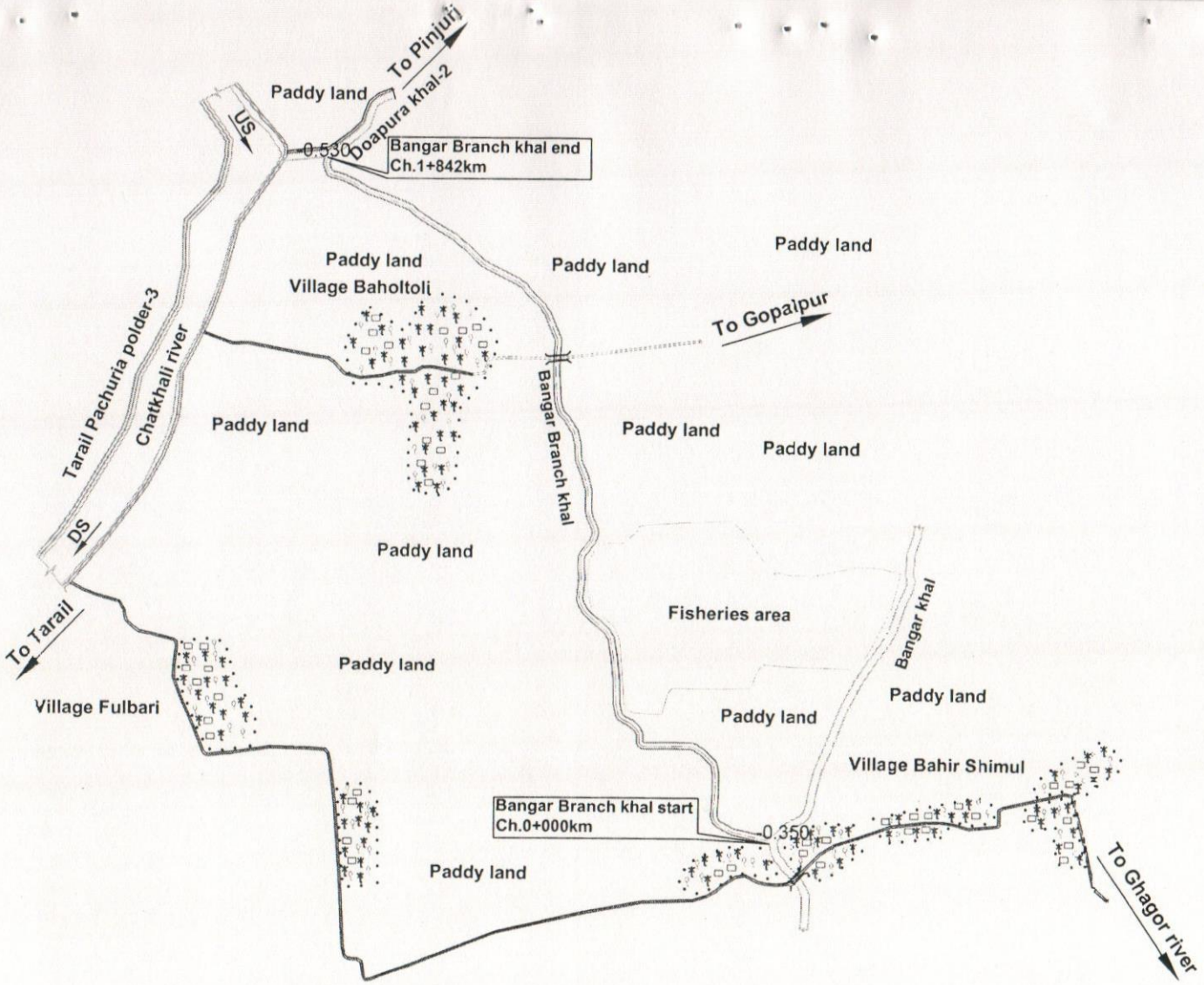
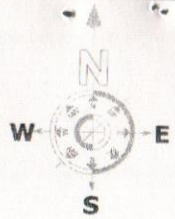




LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Church , Temple , Graveyard.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

Bangladesh Water Development Board

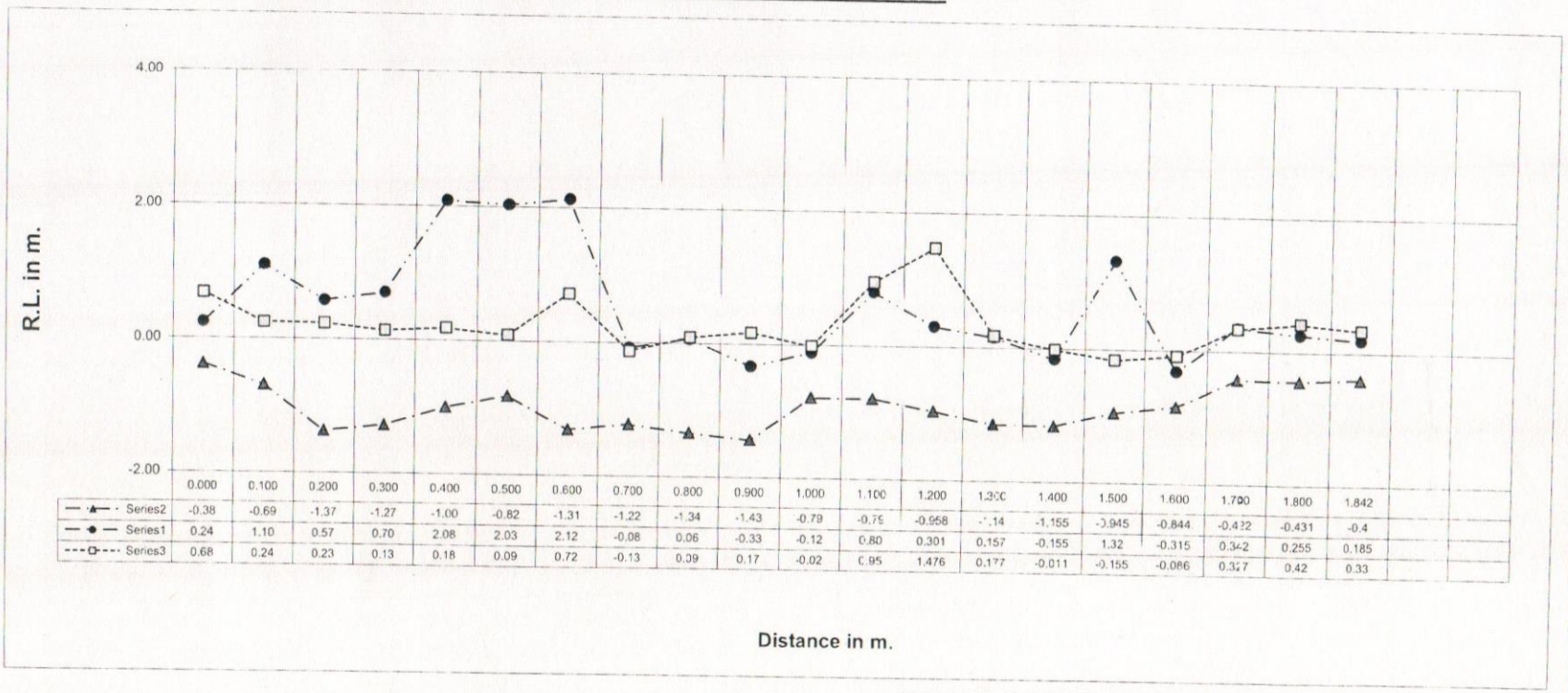
Sketch Map for Re-excavation of Bhangar Branch khal from km. 0.000 to km. 1.842 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch. Long Section of Bhangar Branch khal

Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.842
C/L R.L.	-0.38	-0.69	-1.37	-1.27	-1.00	-0.82	-1.31	-1.22	-1.34	-1.43	-0.79	-0.79	-0.958	-1.14	-1.16	-0.95	-0.844	-0.422	-0.431	-0.4
L/BR.L.	0.24	1.10	0.57	0.70	2.08	2.03	2.12	-0.08	0.06	-0.33	-0.12	0.80	0.301	0.157	-0.16	1.32	-0.315	0.342	0.255	0.185
R/B R.L.	0.68	0.24	0.23	0.13	0.18	0.09	0.72	-0.13	0.09	0.17	-0.02	0.95	1.476	0.177	-0.01	-0.16	-0.086	0.327	0.42	0.33

Long Section for re-excavation of Bhangar Branch khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.842
Series2	-0.38	-0.69	-1.37	-1.27	-1.00	-0.82	-1.31	-1.22	-1.34	-1.43	-0.79	-0.79	-0.958	-1.14	-1.155	-0.945	-0.844	-0.422	-0.431	-0.4
Series1	0.24	1.10	0.57	0.70	2.08	2.03	2.12	-0.08	0.06	-0.33	-0.12	0.80	0.301	0.157	-0.155	1.32	-0.315	0.342	0.255	0.185
Series3	0.68	0.24	0.23	0.13	0.18	0.09	0.72	-0.13	0.09	0.17	-0.02	0.95	1.476	0.177	-0.011	-0.155	-0.086	0.327	0.42	0.33

BANGLADESH WATER DEVELOPMENT BOARD

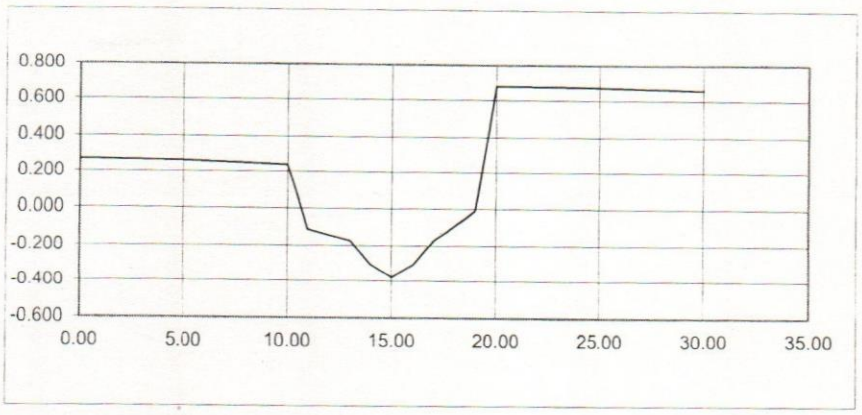
Long Section for Re-excavation of Bhangar Branch khal from km. 0.000 to km. 1.842 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMC, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Bhangar Branch khal from km. 0.000 to km. 1.842 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

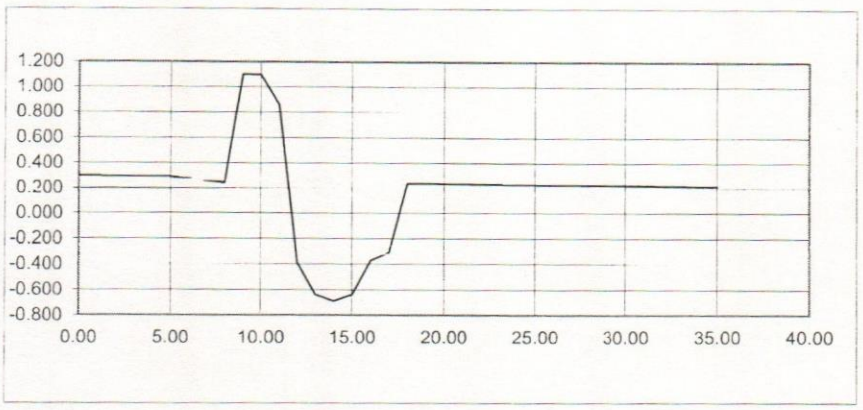
X - Section at km. 0.000

0.00	0.268	Paddy land
5.00	0.259	
10.00	0.239	LB
11.00	-0.111	
13.00	-0.172	
14.00	-0.306	
15.00	-0.379	CL
16.00	-0.307	
17.00	-0.172	
19.00	-0.011	
20.00	0.679	RB
25.00	0.674	
30.00	0.659	Paddy land



X - Section at km. 0.100

0.00	0.302	Paddy land
5.00	0.293	
8.00	0.247	
9.00	1.103	
10.00	1.098	LB
11.00	0.858	
12.00	-0.383	
13.00	0.638	
14.00	-0.687	CL
15.00	-0.639	
16.00	-0.368	
17.00	-0.307	
18.00	0.243	RB
25.00	0.232	
30.00	0.228	
35.00	0.218	Paddy land

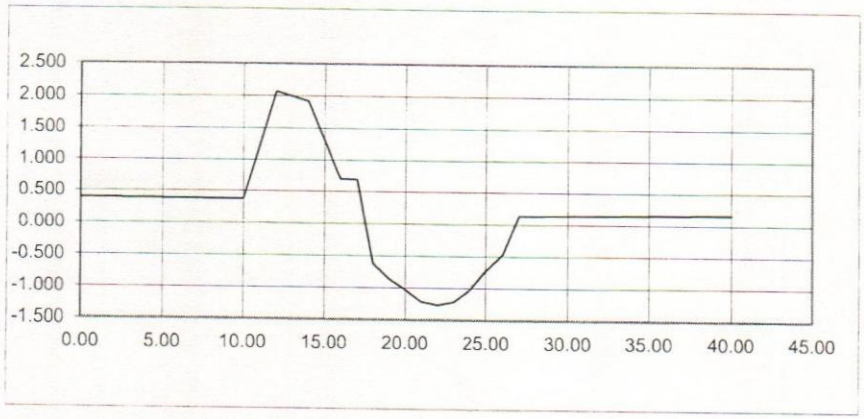


X - Section at km. 0.200

0.00	0.324	Paddy land
5.00	0.299	
6.00	1.088	
8.00	1.078	
8.50	0.573	
10.00	0.572	LB
11.00	-0.861	
12.00	-1.122	
13.00	-1.313	
14.00	-1.365	CL
15.00	-1.312	
16.00	-1.122	
17.00	-0.871	
18.00	0.229	RB
25.00	0.234	
30.00	0.239	
35.00	0.249	Paddy land

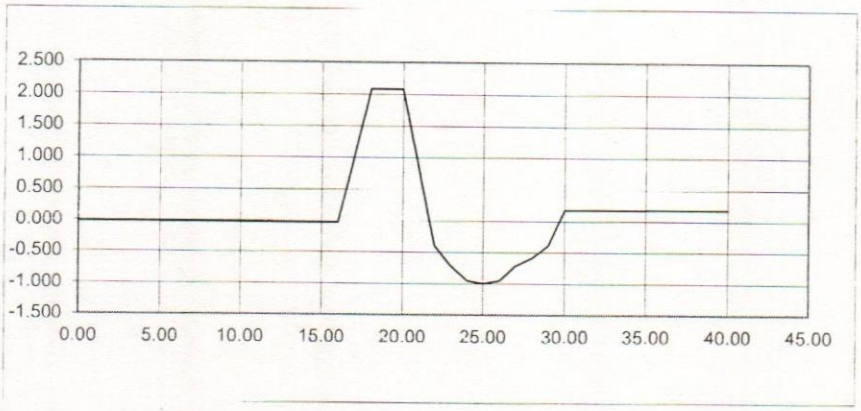
X - Section at km. 0.300

0.00	0.399	Paddy land
5.00	0.388	
10.00	0.378	
12.00	2.069	
14.00	1.919	
16.00	0.708	
17.00	0.697	LB
18.00	-0.622	
19.00	-0.861	
20.00	-1.022	
21.00	-1.223	
22.00	-1.271	CL
23.00	-1.222	
24.00	-1.022	
25.00	-0.723	
26.00	-0.471	
27.00	0.133	RB
30.00	0.148	
35.00	0.164	
40.00	0.174	Paddy land



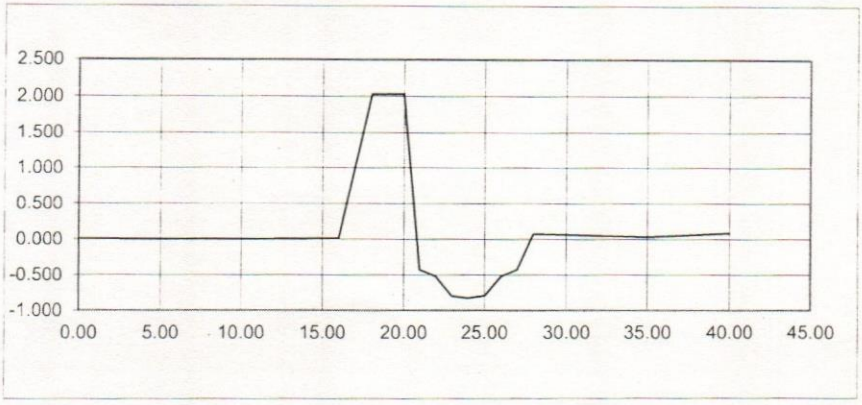
X - Section at km. 0.400

0.00	-0.010	Paddy land
5.00	-0.015	
10.00	-0.020	
16.00	-0.025	
18.00	2.084	
20.00	2.079	LB
22.00	-0.400	
23.00	-0.716	
24.00	-0.946	
25.00	-0.995	CL
26.00	-0.950	
27.00	-0.717	
28.00	-0.590	
29.00	-0.391	
30.00	0.179	RB
35.00	0.185	
40.00	0.190	Paddy land



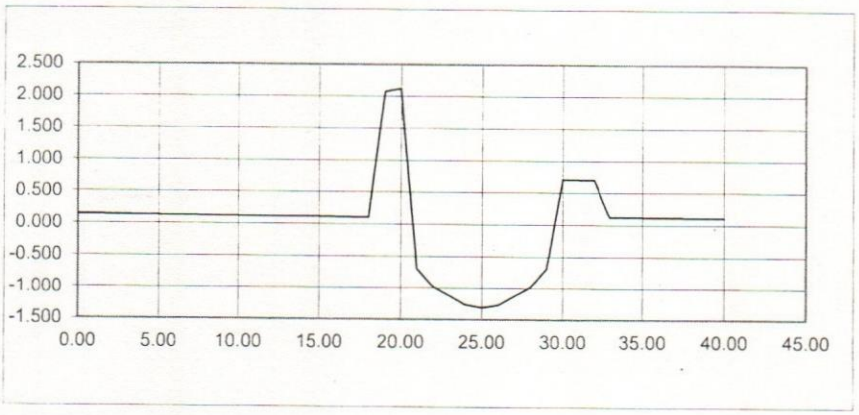
X - Section at km. 0.500

0.00	0.014	Paddy land
5.00	0.005	
10.00	0.006	
16.00	0.016	
18.00	2.035	
20.00	2.030	LB
21.00	-0.421	
22.00	-0.517	
23.00	-0.795	
24.00	-0.820	CL
25.00	-0.786	
26.00	-0.516	
27.00	-0.423	
28.00	0.085	RB
35.00	0.040	
40.00	0.095	Paddy land



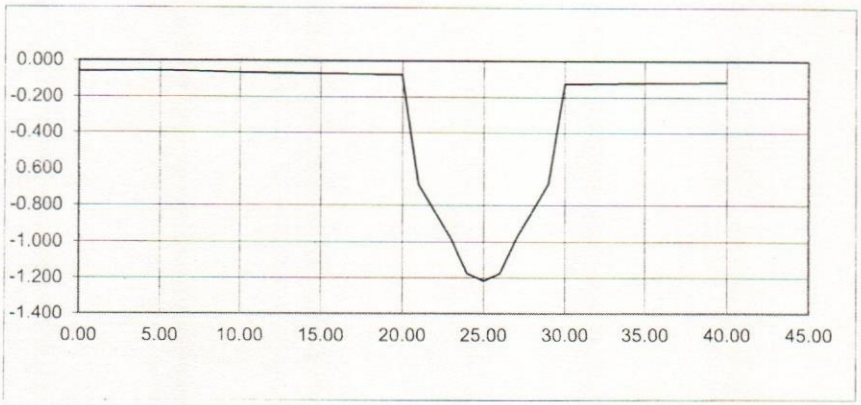
X - Section at km. 0.600

0.00	0.143	Paddy land
5.00	0.128	
10.00	0.122	
15.00	0.113	
18.00	0.103	
19.00	2.073	
20.00	2.122	LB
21.00	-0.692	
22.00	-0.978	
24.00	-1.262	
25.00	-1.307	CL
26.00	-1.268	
28.00	-0.979	
29.00	-0.687	
30.00	0.717	RB
32.00	0.708	
33.00	0.122	
35.00	0.118	
40.00	0.112	Paddy land



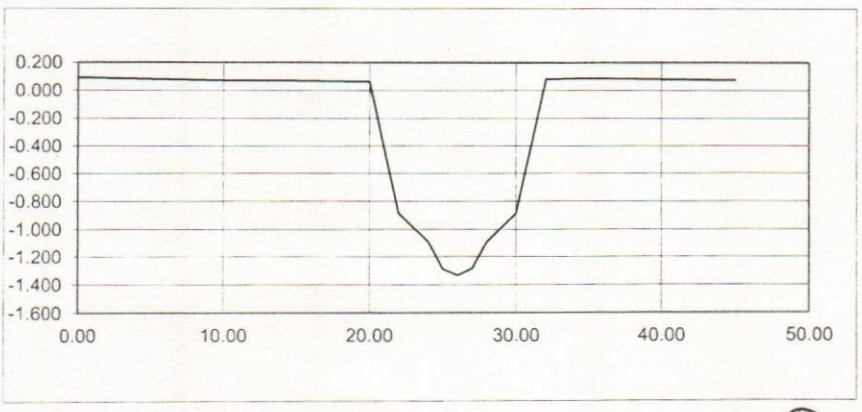
X - Section at km. 0.700

0.00	-0.062	Paddy land
5.00	-0.057	
10.00	-0.067	
15.00	-0.072	
20.00	-0.077	LB
21.00	-0.683	
23.00	-0.978	
24.00	-1.173	
25.00	-1.217	CL
26.00	-1.172	
27.00	-0.983	
29.00	-0.678	
30.00	-0.127	RB
35.00	-0.122	
40.00	-0.117	Paddy land



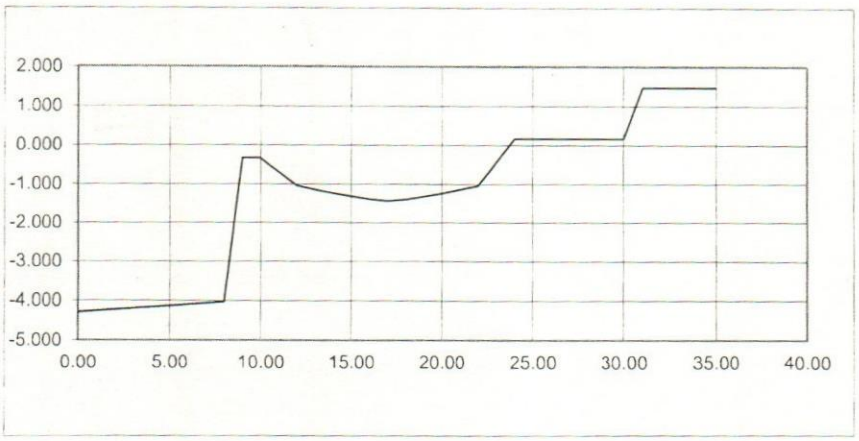
X - Section at km. 0.800

0.00	0.095	Paddy land
5.00	0.084	
10.00	0.075	
15.00	0.070	
20.00	0.064	LB
22.00	-0.887	
24.00	-1.085	
25.00	-1.287	
26.00	-1.335	CL
27.00	-1.286	
28.00	-1.087	
30.00	-0.886	
32.00	0.085	RB
35.00	0.090	
45.00	0.077	Paddy land



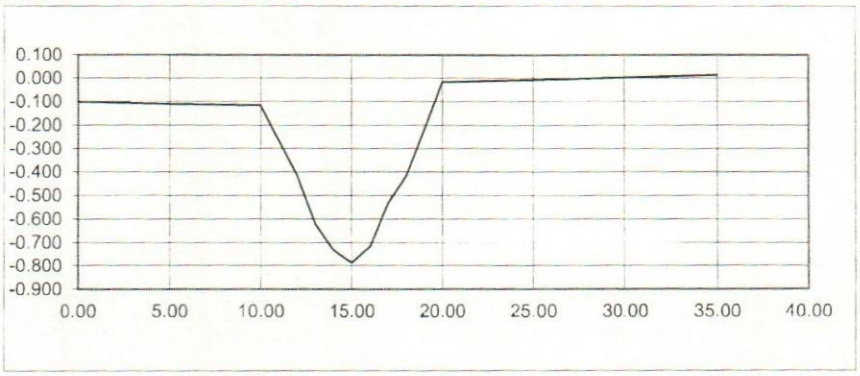
X - Section at km. 0.900

0.00	-4.280	Ditch
5.00	-4.132	
8.00	-4.030	
9.00	-0.330	
10.00	-0.336	LB
12.00	-1.031	
14.00	-1.232	
16.00	-1.381	
17.00	-1.430	CL
18.00	-1.385	
20.00	-1.231	
22.00	-1.036	
24.00	0.169	RB
30.00	0.179	
31.00	1.469	
35.00	1.468	House Area



X - Section at km. 1.000

0.00	-0.101	Paddy land
5.00	-0.110	
10.00	-0.116	LB
12.00	-0.416	
13.00	-0.620	
14.00	-0.735	
15.00	-0.785	CL
16.00	-0.716	
17.00	-0.531	
18.00	-0.417	
20.00	-0.016	RB
25.00	-0.006	
30.00	0.004	
35.00	0.015	Paddy land

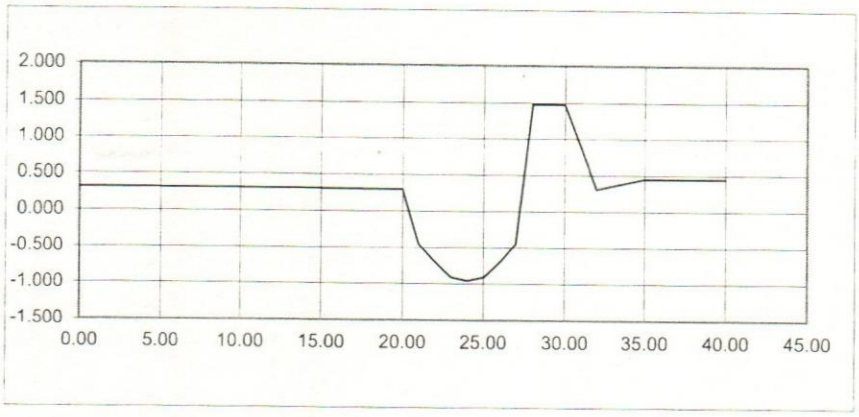


X - Section at km. 1.100

0.00	1.864	House
5.00	1.859	
7.00	0.814	
10.00	0.799	LB
12.00	-0.252	
14.00	-0.547	
15.00	-0.740	
16.00	-0.786	CL
17.00	-0.741	
18.00	-0.547	
20.00	-0.296	
22.00	0.953	RB
25.00	0.949	
27.00	-0.486	
29.00	-0.686	
30.00	-0.731	Borrowpit

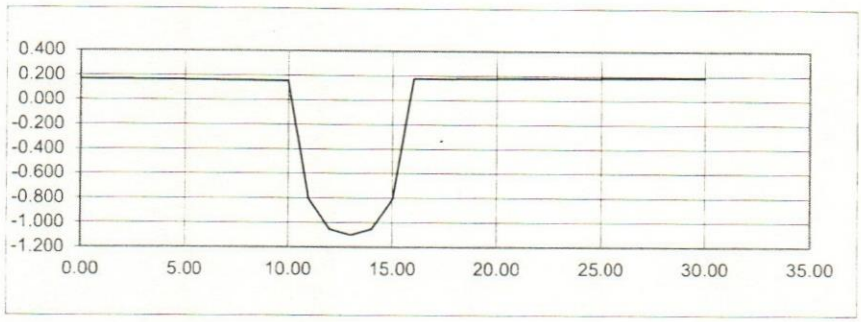
X - Section at km. 1.200

0.00	0.322	Paddy land
5.00	0.322	
10.00	0.317	
15.00	0.311	
20.00	0.301	LB
21.00	-0.449	
22.00	-0.699	
23.00	-0.912	
24.00	-0.958	CL
25.00	-0.913	
26.00	-0.700	
27.00	-0.448	
28.00	1.476	RB
30.00	1.472	
32.00	0.312	
35.00	0.457	
40.00	0.452	Open land



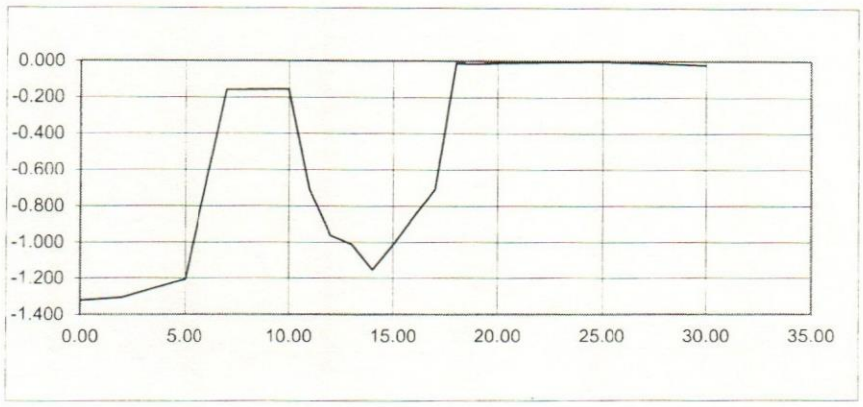
X - Section at km. 1.300

0.00	0.172	Paddy land
5.00	0.166	
10.00	0.157	LB
11.00	-0.804	
12.00	-1.054	
13.00	-1.104	CL
14.00	-1.053	
15.00	-0.809	
16.00	0.177	RB
20.00	0.182	
25.00	0.187	
30.00	0.192	Paddy land



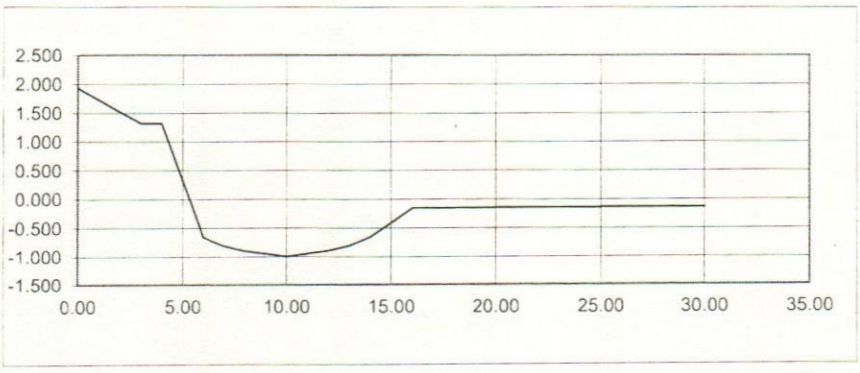
X - Section at km. 1.400

0.00	-1.321	Fisheries
2.00	-1.306	
5.00	-1.206	
7.00	-0.160	
10.00	-0.155	LB
11.00	-0.706	
12.00	-0.962	
13.00	-1.011	
14.00	-1.155	CL
15.00	-1.013	
16.00	-0.855	
17.00	-0.706	
18.00	-0.011	RB
19.00	-0.015	
20.00	-0.010	
25.00	-0.001	
30.00	-0.020	Open land



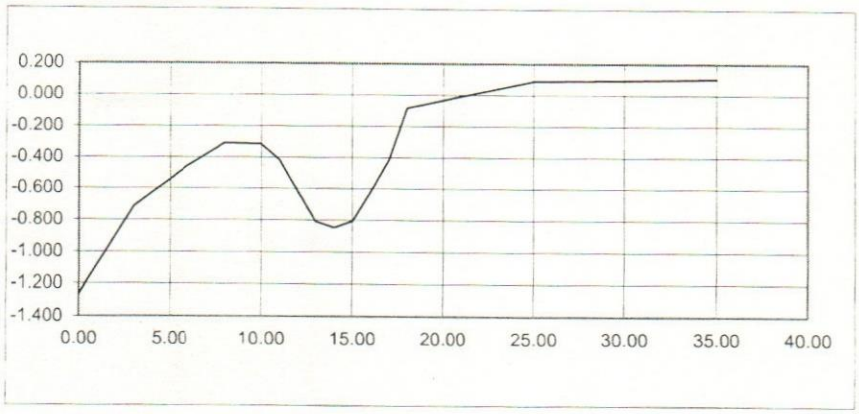
X - Section at km. 1.500

0.00	1.933	BC road
3.00	1.327	
4.00	1.320	LB
6.00	-0.656	
7.00	-0.806	
8.00	-0.897	
10.00	-0.995	CL
12.00	-0.900	
13.00	-0.807	
14.00	-0.655	
16.00	-0.155	RB
20.00	-0.145	
25.00	-0.140	
30.00	-0.135	Paddy land



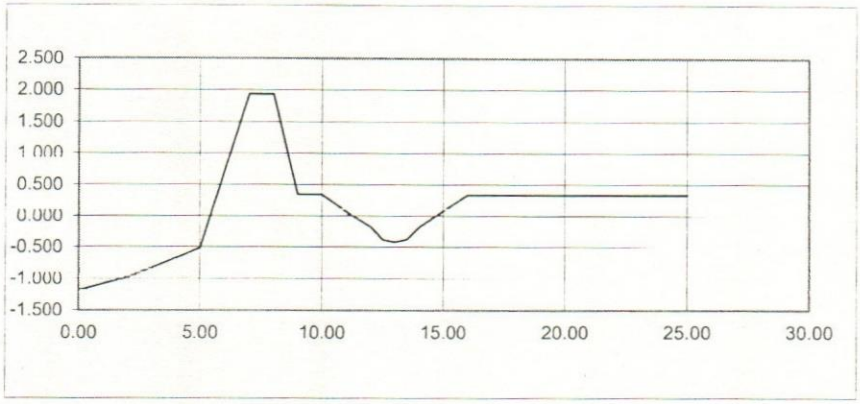
X - Section at km. 1.600

0.00	-1.264	Ditch
3.00	-0.715	
6.00	-0.454	
8.00	-0.310	
10.00	-0.315	LB
11.00	-0.416	
12.00	-0.615	
13.00	-0.806	
14.00	-0.844	CL
15.00	-0.805	
16.00	-0.616	
17.00	-0.415	
18.00	-0.086	RB
25.00	0.091	
30.00	0.096	
35.00	0.106	Paddy land



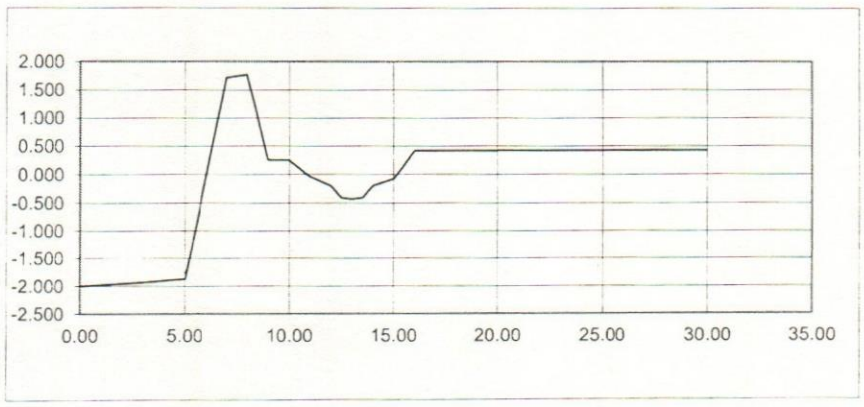
X - Section at km. 1.700

0.00	-1.187	Ditch
2.00	-0.978	
5.00	-0.512	
7.00	1.942	
8.00	1.937	
9.00	0.348	
10.00	0.342	LB
11.00	0.073	
12.00	-0.173	
12.50	-0.377	
13.00	-0.422	CL
13.50	-0.372	
14.00	-0.174	
15.00	0.087	
16.00	0.327	RB
20.00	0.333	
25.00	0.338	Paddy land



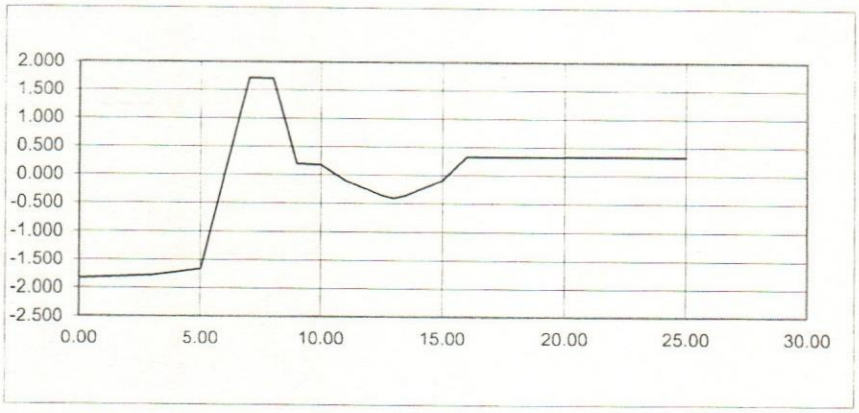
X - Section at km. 1.800

0.00	-2.001	Ditch
3.00	-1.936	
5.00	-1.870	
7.00	1.715	
8.00	1.769	
9.00	0.260	
10.00	0.255	LB
11.00	-0.031	
12.00	-0.195	
12.50	-0.409	
13.00	-0.431	CL
13.50	-0.408	
14.00	-0.188	
15.00	-0.070	
16.00	0.420	RB
20.00	0.425	
30.00	0.430	Paddy land



X - Section at km. 1.842

0.00	-1.831	Ditch
3.00	-1.780	
5.00	-1.670	
7.00	1.715	
8.00	1.705	
9.00	0.200	
10.00	0.185	LB
11.00	-0.085	
12.00	-0.260	
12.50	-0.355	
13.00	-0.400	CL
13.50	-0.350	
14.00	-0.255	
15.00	-0.080	
16.00	0.330	RB
20.00	0.335	
25.00	0.340	Paddy land



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30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
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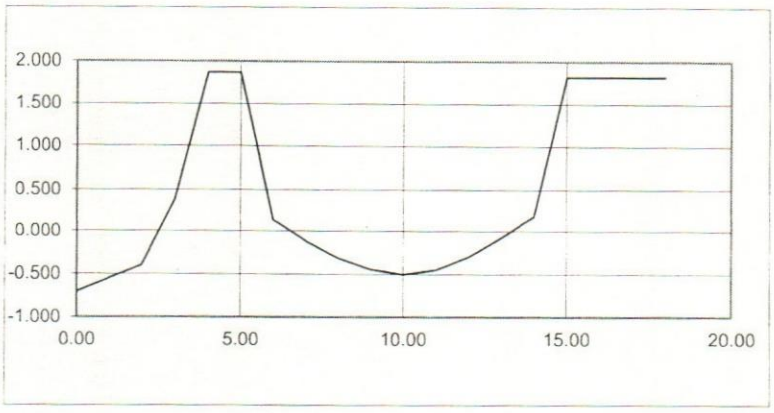
BWDB, Gopalgonj

Cross Section of Out fall khal **(Bhanga khal)** Re-excavation of Bhangar Branch khal from km. 0.000 to km. 1.842 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

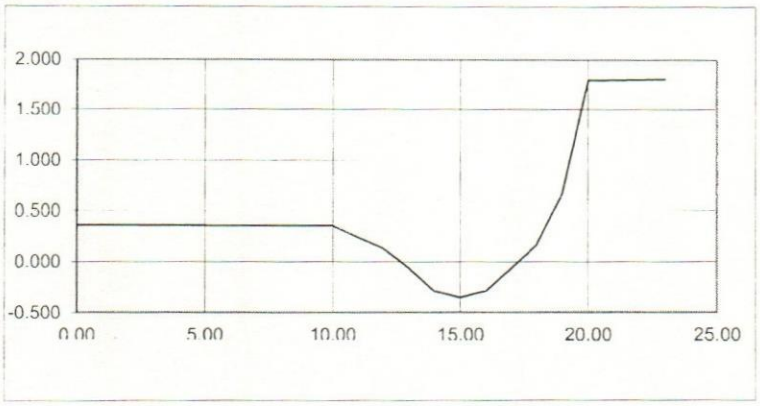
Cross section of Bhanga khal along the Bhangar Branch khal

0.00	-0.705	Ditch
2.00	-0.396	
3.00	0.385	
4.00	1.868	
5.00	1.870	
6.00	0.142	LB
7.00	-0.115	
8.00	-0.310	
9.00	-0.445	
10.00	-0.497	CL
11.00	-0.448	
12.00	-0.288	
13.00	-0.060	
14.00	0.189	
15.00	1.818	RB
18.00	1.815	Hbb road



Cross section of Bhanga khal 50m DS from meeting point of Bhangar Branch khal

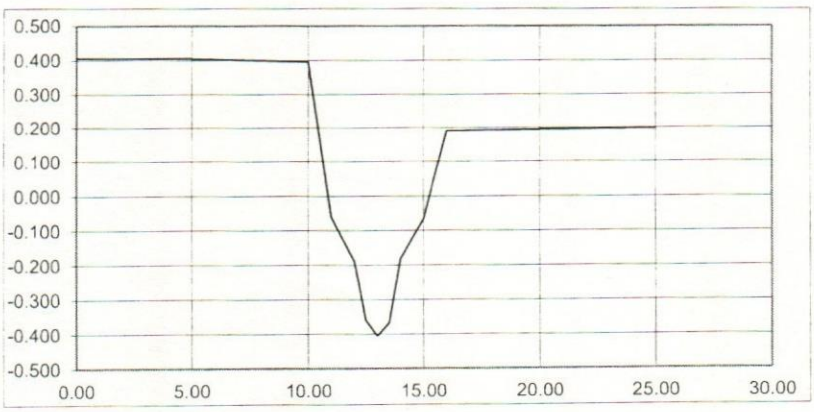
0.00	0.362	Paddy land
5.00	0.358	
10.00	0.353	LB
11.00	0.242	
12.00	0.133	
13.00	-0.060	
14.00	0.288	
15.00	-0.350	CL
16.00	-0.285	
17.00	-0.059	
18.00	0.165	
19.00	0.666	
20.00	1.793	RB
23.00	1.805	HBB road



Cross section of Bhanga khal 50m US from meeting point of Bhangar Branch khal

18.00

0.00	0.406	Paddy land
5.00	0.405	
10.00	0.395	LB
11.00	-0.060	
12.00	-0.188	
12.50	-0.358	
13.00	-0.405	CL
13.50	-0.366	
14.00	-0.180	
15.00	-0.065	
16.00	0.190	
20.00	0.195	RB
25.00	0.198	Paddy land



Bainbunia Khal

(Md. Safiqul Islam Sheikh)
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(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
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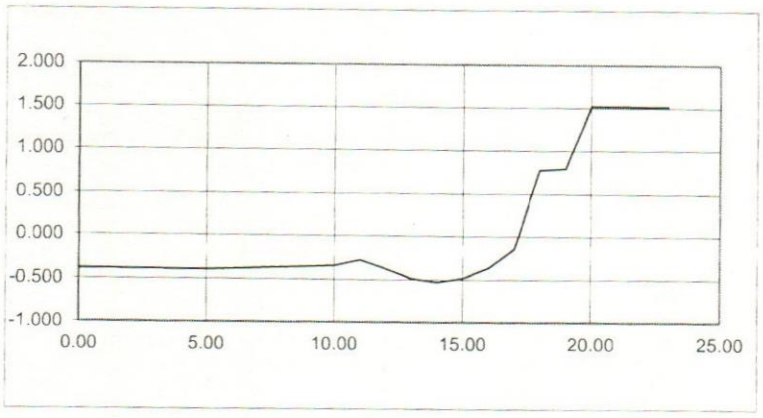
BWDB, Gopalgonj

Cross Section of Offtake khal **(Doapura khal-2)** Re-excavation of Bhangar Branch khal from km. 0.000 to km. 1.842 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

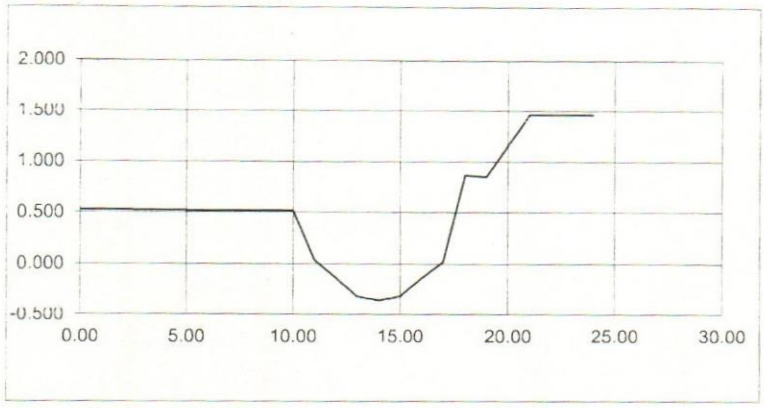
Cross section of Doapura khal-2 along the Bhangar Branch khal

0.00	-0.378	Khal bed
5.00	-0.390	
10.00	-0.340	LB
11.00	-0.270	
12.00	-0.370	
13.00	-0.480	
14.00	-0.530	CL
15.00	-0.475	
16.00	-0.360	
17.00	-0.136	
18.00	0.778	RB
19.00	0.795	
20.00	1.520	
23.00	1.514	BC road



Cross section of Doapura khal-2 50 US from meeting point of Bhangar Branch khal

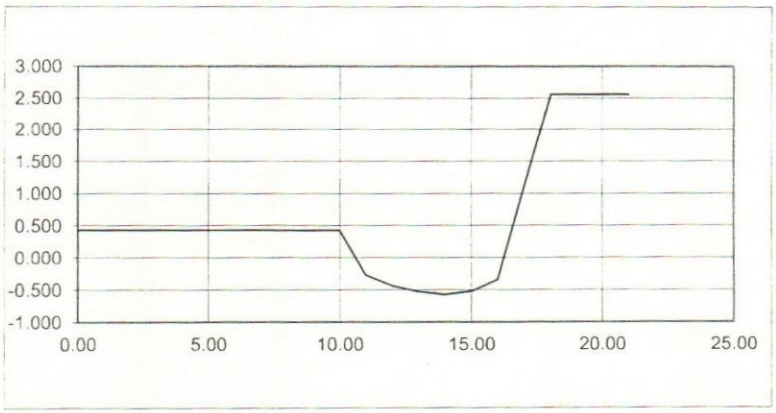
0.00	0.530	Paddy land
5.00	0.525	
10.00	0.520	LB
11.00	0.035	
12.00	-0.136	
13.00	-0.325	
14.00	-0.361	CL
15.00	-0.321	
16.00	-0.138	
17.00	0.020	
18.00	0.870	RB
19.00	0.855	
21.00	1.469	
24.00	1.464	BC road



Cross section of Doapura khal-2 50 DS from meeting point of Bhangar Branch khal

18.00

0.00	0.435	Paddy land
5.00	0.440	
10.00	0.430	LB
11.00	-0.270	
12.00	-0.431	
13.00	-0.525	
14.00	-0.570	CL
15.00	-0.520	
16.00	-0.340	
18.00	2.560	RB
21.00	2.555	BC road



Bainbunia Khal

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1 30/10/24
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30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Data Checklist for the Re-excavation of Basabari khal

1.	Name of the proposed Khal	:	Basabari khal
2.	Catchments Area	:	185.00 Hac
3.	The lowest level up to which drainage requires	:	-0.56 m (PWD)
4.	Avg. Ground level of the area	:	0.82 m (PWD)
5.	Length of the Khal	:	1.660 km
6.	Bed level of the outfall Khal/River	:	(-) 4.019 (PWD) (Guadana khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	3.00m.
10.	The proposed bed level of the Khal	:	(-) 1.20 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	36.00 km (SW-198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

30/10/24

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30.10.24

(Sadiur Rahman)
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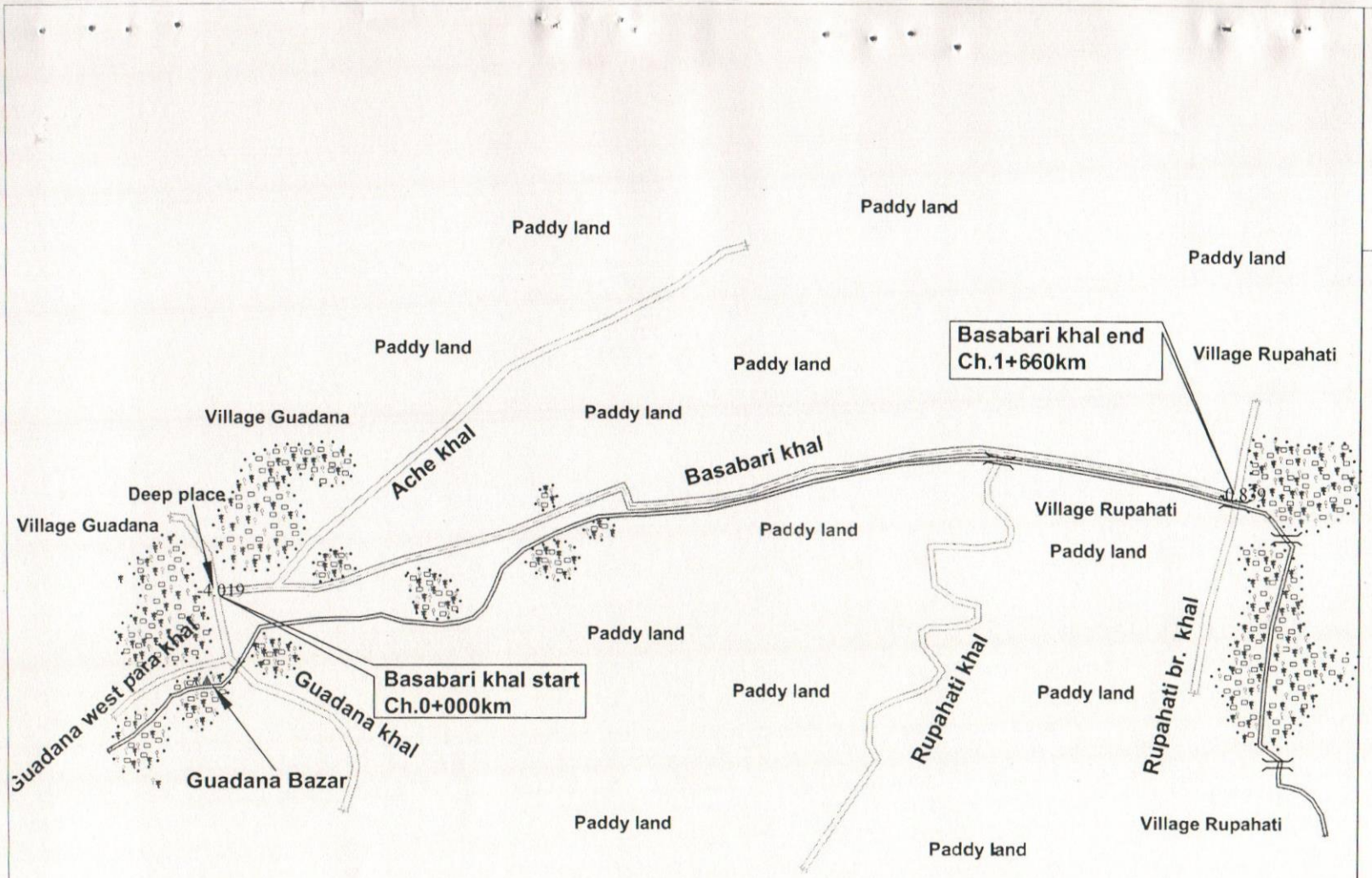
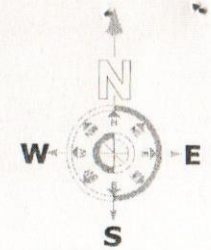
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Church , Temple , Graveyard.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

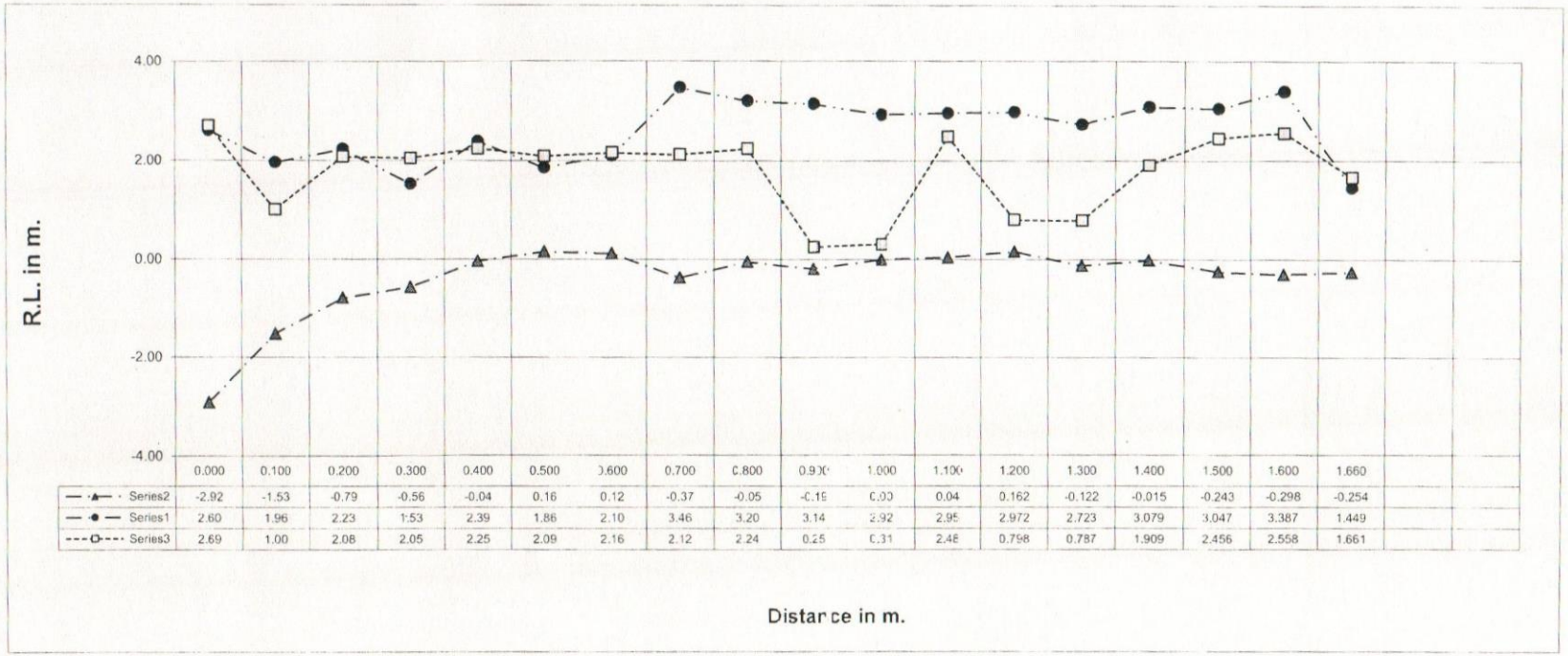
Bangladesh Water Development Board

Sketch Map for Re-excavation of Basabari khal from km. 0.000 to km. 1.660 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Basabari khal																	
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.660
C/L R.L.	-2.92	-1.53	-0.79	-0.56	-0.04	0.16	0.12	-0.37	-0.05	-0.19	0.00	0.04	0.162	-0.122	-0.02	-0.24	-0.298	-0.25
L/BR.L.	2.60	1.96	2.23	1.53	2.39	1.86	2.10	3.46	3.20	3.14	2.92	2.95	2.972	2.723	3.08	3.047	3.387	1.45
R/B R.L.	2.69	1.00	2.08	2.05	2.25	2.09	2.16	2.12	2.24	0.25	0.31	2.48	0.798	0.787	1.9[illegible]	2.456	2.558	1.66

Long Section for re-excavation of Basabari khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.660
Series2	-2.92	-1.53	-0.79	-0.56	-0.04	0.16	0.12	-0.37	-0.05	-0.19	0.00	0.04	0.162	-0.122	-0.015	-0.243	-0.298	-0.254
Series1	2.60	1.96	2.23	1.53	2.39	1.86	2.10	3.46	3.20	3.14	2.92	2.95	2.972	2.723	3.079	3.047	3.387	1.449
Series3	2.69	1.00	2.08	2.05	2.25	2.09	2.16	2.12	2.24	0.25	0.31	2.48	0.798	0.787	1.909	2.456	2.558	1.661

BANGLADESH WATER DEVELOPMENT BOARD

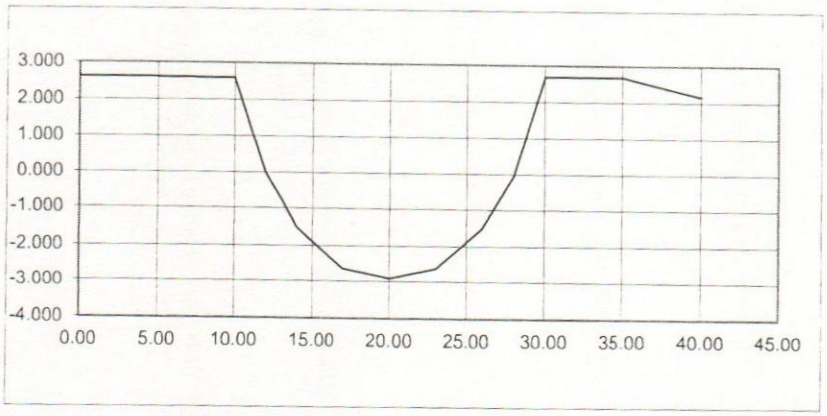
Long Section for Re-excavation of Basabari khal from km. 0.000 to km. 1.660 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	Sadiur 30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Basabari khal from km. 0.000 to km. 1.660 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

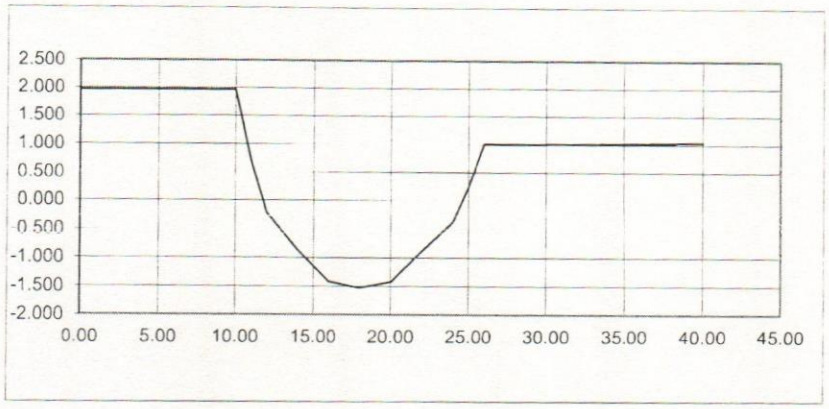
X - Section at km. 0.000

0.00	2.616	Khal bank
5.00	2.611	
10.00	2.597	LB
12.00	-0.014	
14.00	-1.507	
17.00	-2.637	
20.00	-2.915	CL
23.00	-2.629	
26.00	-1.515	
28.00	-0.039	
30.00	2.694	RB
35.00	2.701	
40.00	2.170	House Area



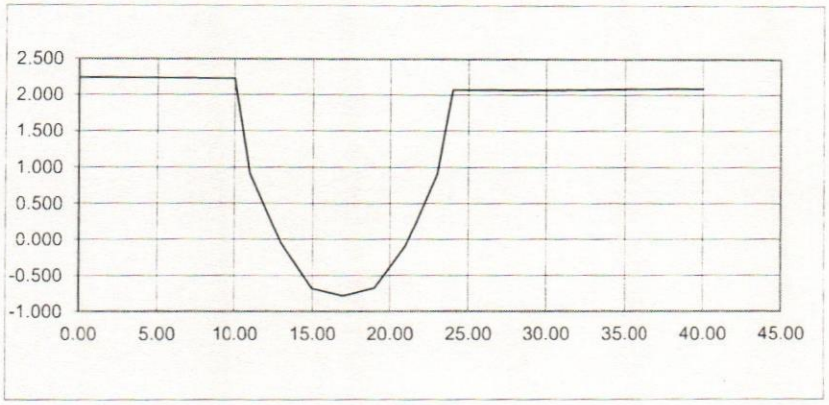
X - Section at km. 0.100

0.00	1.971	Pond bank
5.00	1.966	
10.00	1.961	LB
11.00	0.726	
12.00	-0.205	
14.00	-0.863	
16.00	-1.414	
18.00	-1.527	CL
20.00	-1.419	
22.00	-0.880	
24.00	-0.364	
25.00	0.241	
26.00	1.004	RB
30.00	1.011	
35.00	1.026	
40.00	1.042	Open land



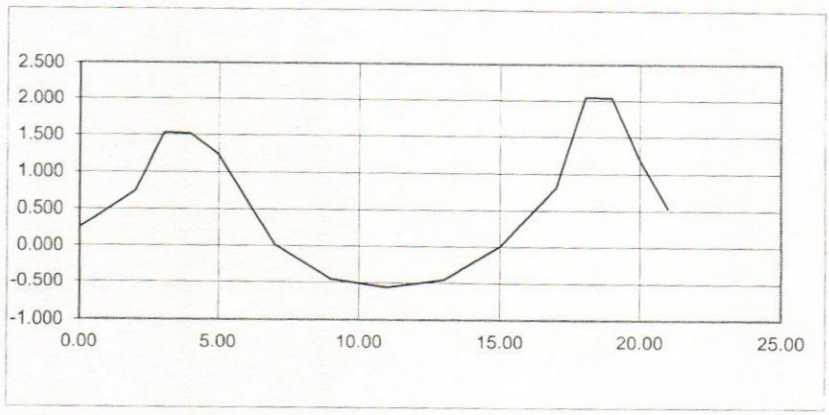
X - Section at km. 0.200

0.00	2.251	High land
5.00	2.239	
10.00	2.226	LB
11.00	0.917	
13.00	-0.053	
15.00	-0.683	
17.00	-0.785	CL
19.00	-0.674	
21.00	-0.082	
23.00	0.898	
24.00	2.077	RB
30.00	2.073	
35.00	2.090	
40.00	2.099	Pond bank



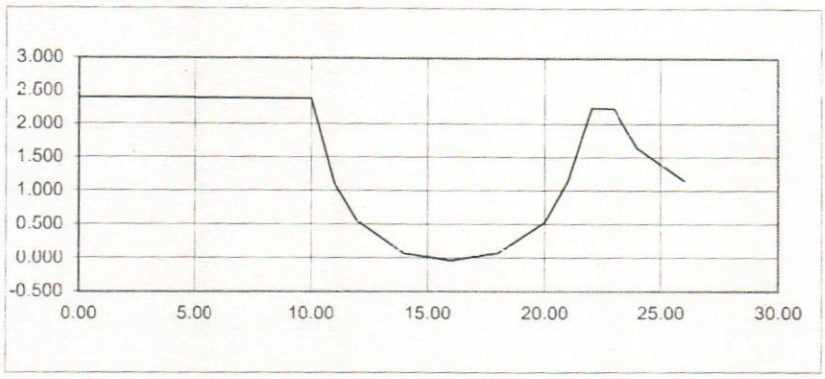
X - Section at km. 0.300

0.00	0.250	Fisheries
2.00	0.748	
3.00	1.539	
4.00	1.526	LB
5.00	1.241	
7.00	0.024	
9.00	-0.459	
11.00	-0.563	CL
13.00	-0.456	
15.00	0.016	
17.00	0.823	
18.00	2.049	RB
19.00	2.038	
20.00	1.195	
21.00	0.539	Fisheries



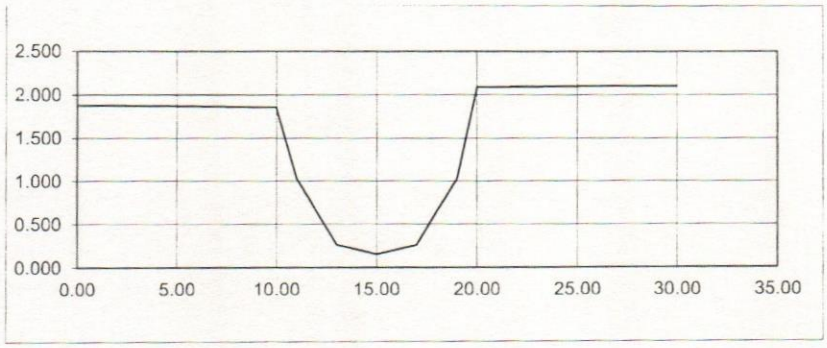
X - Section at km. 0.400

0.00	2.398	High land
5.00	2.393	
10.00	2.385	LB
11.00	1.107	
12.00	0.549	
14.00	0.061	
16.00	-0.041	CL
18.00	0.065	
20.00	0.523	
21.00	1.147	
22.00	2.245	RB
23.00	2.234	
24.00	1.645	
26.00	1.154	Fisheries



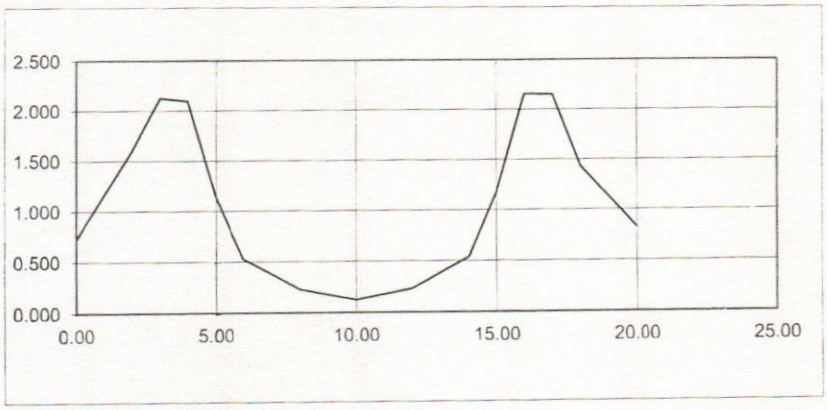
X - Section at km. 0.500

0.00	1.878	House road
5.00	1.873	
10.00	1.859	LB
11.00	1.038	
12.00	0.647	
13.00	0.259	
15.00	0.155	CL
17.00	0.258	
18.00	0.652	
19.00	1.023	
20.00	2.092	RB
25.00	2.103	
30.00	2.108	Pond bank



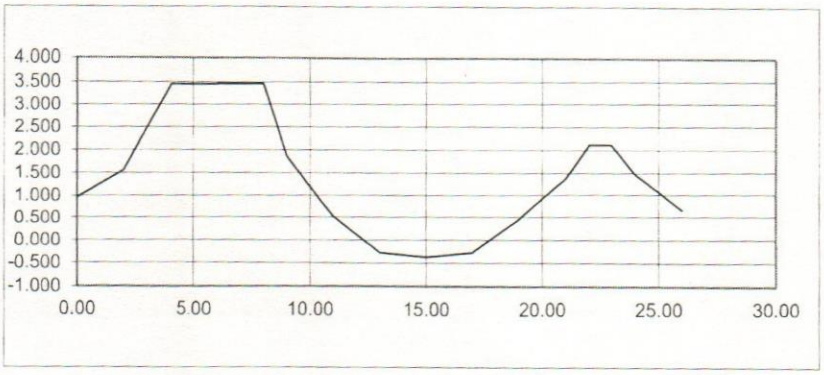
X - Section at km. 0.600

0.00	0.725	Fisheries
2.00	1.600	
3.00	2.129	
4.00	2.102	LB
5.00	1.135	
6.00	0.527	
8.00	0.227	
10.00	0.124	CL
12.00	0.228	
14.00	0.537	
15.00	1.183	
16.00	2.159	RB
17.00	2.154	
18.00	1.434	
20.00	0.823	Fisheries



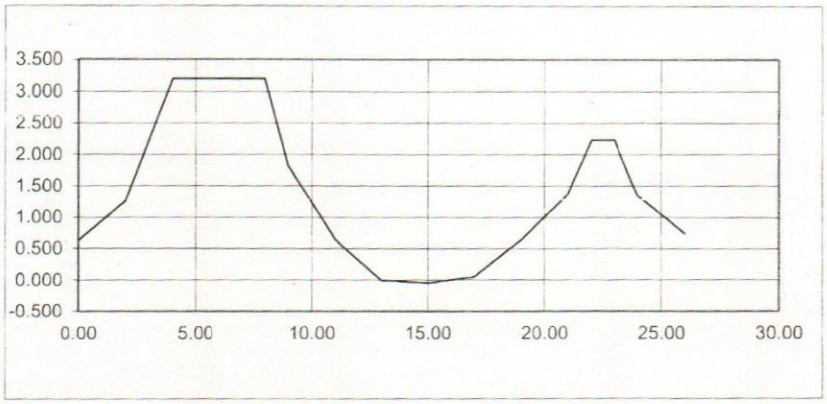
X - Section at km. 0.700

0.00	0.973	Fisheries
2.00	1.571	
4.00	3.451	
8.00	3.462	LB
9.00	1.872	
11.00	0.531	
13.00	-0.268	
15.00	-0.373	CL
17.00	-0.271	
19.00	0.462	
21.00	1.376	
22.00	2.122	RB
23.00	2.117	
24.00	1.482	
26.00	0.663	Fisheries



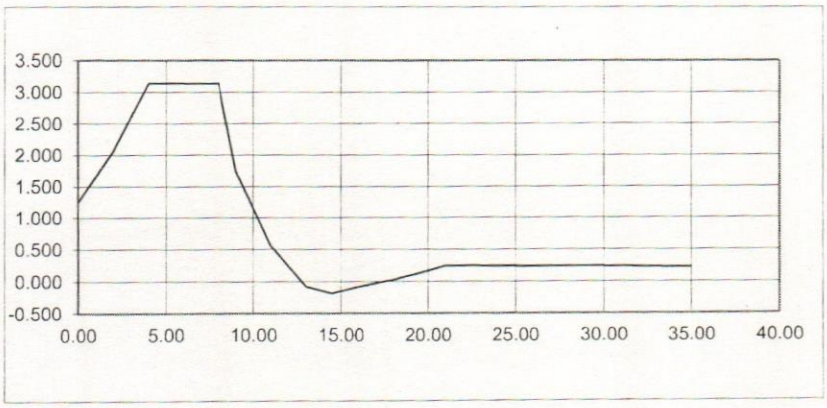
X - Section at km. 0.800

0.00	0.629	Fisheries
2.00	1.263	
4.00	3.202	BC road
8.00	3.197	LB
9.00	1.827	
11.00	0.652	
13.00	-0.006	
15.00	-0.049	CL
17.00	0.053	
19.00	0.647	
21.00	1.359	
22.00	2.242	RB
23.00	2.237	
24.00	1.351	
26.00	0.751	Fisheries



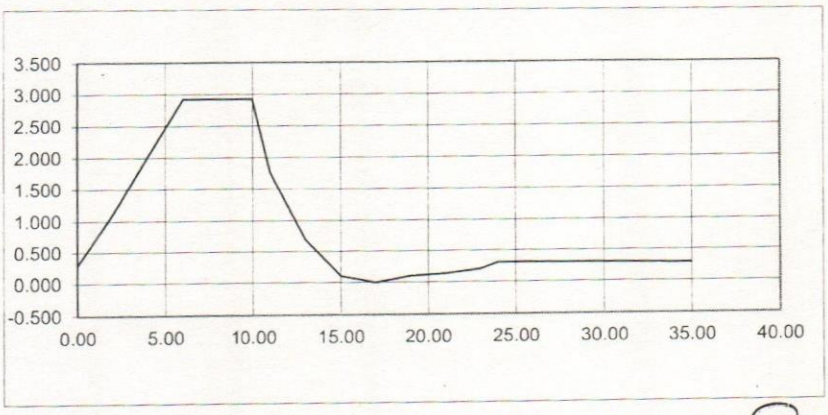
X - Section at km. 0.900

0.00	1.250	Fisheries
2.00	2.062	
4.00	3.150	BC road
8.00	3.136	LB
9.00	1.758	
11.00	0.562	
13.00	-0.085	
14.50	-0.189	CL
16.00	-0.087	
18.00	0.028	
20.00	0.162	
21.00	0.250	RB
25.00	0.241	
30.00	0.236	
35.00	0.219	Paddy land



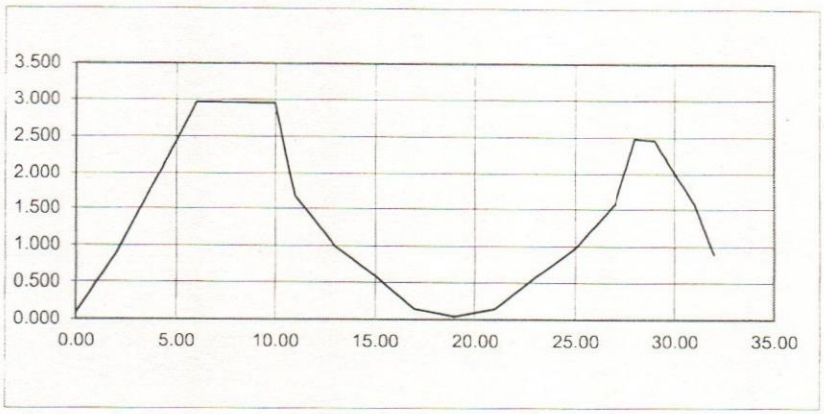
X - Section at km. 1.000

0.00	0.295	Ditch
2.00	1.100	
6.00	2.926	BC road
10.00	2.921	LB
11.00	1.773	
13.00	0.696	
15.00	0.099	
17.00	-0.004	CL
19.00	0.098	
21.00	0.130	
23.00	0.204	
24.00	0.306	RB
30.00	0.296	
35.00	0.285	Paddy land



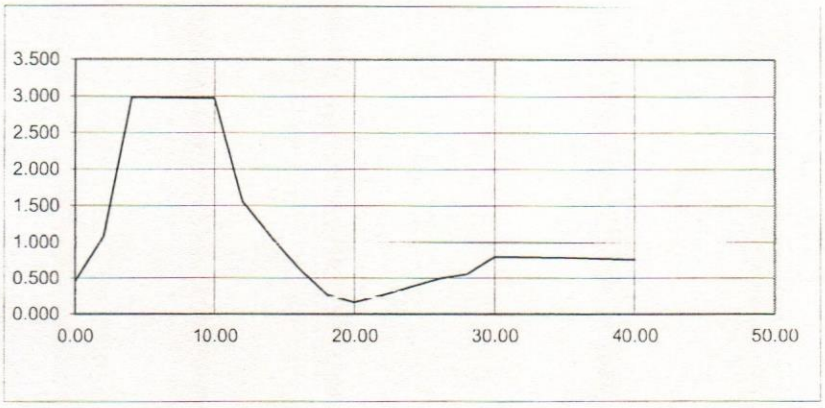
X - Section at km. 1.100

0.00	0.093	Fisheries
2.00	0.888	
6.00	2.964	BC road
10.00	2.953	LB
11.00	1.682	
13.00	0.986	
15.00	0.587	
17.00	0.147	
19.00	0.044	CL
21.00	0.146	
23.00	0.578	
25.00	0.972	
27.00	1.587	
28.00	2.482	RB
29.00	2.464	
31.00	1.588	
32.00	0.898	Fisheries



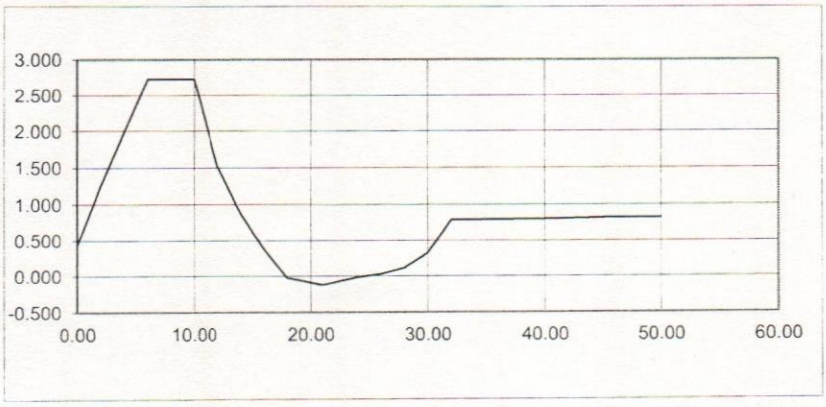
X - Section at km. 1.200

0.00	0.462	Fisheries
2.00	1.087	
4.00	2.986	BC road
10.00	2.972	LB
12.00	1.564	
14.00	1.086	
16.00	0.642	
18.00	0.267	
20.00	0.162	CL
22.00	0.264	
24.00	0.377	
26.00	0.498	
28.00	0.561	
30.00	0.798	RB
35.00	0.787	
40.00	0.762	Paddy land



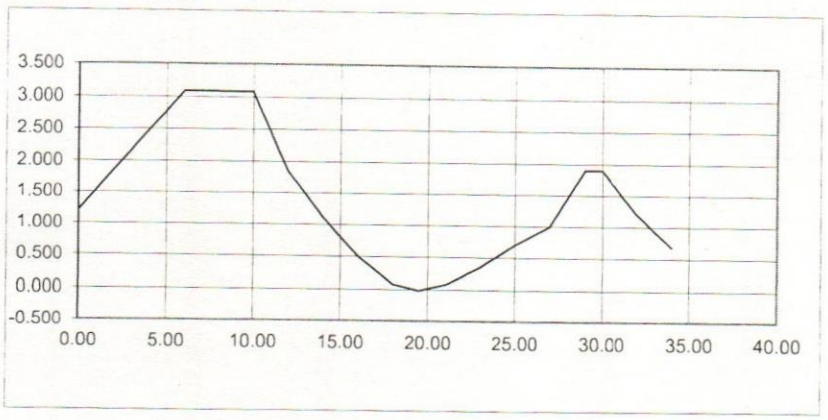
X - Section at km. 1.300

0.00	0.438	Ditch
2.00	1.245	
6.00	2.728	BC road
10.00	2.723	LB
12.00	1.545	
14.00	0.893	
16.00	0.387	
18.00	-0.018	
21.00	-0.122	CL
24.00	-0.015	
26.00	0.025	
28.00	0.114	
30.00	0.325	
32.00	0.787	RB
40.00	0.799	
45.00	0.815	
50.00	0.823	Paddy land



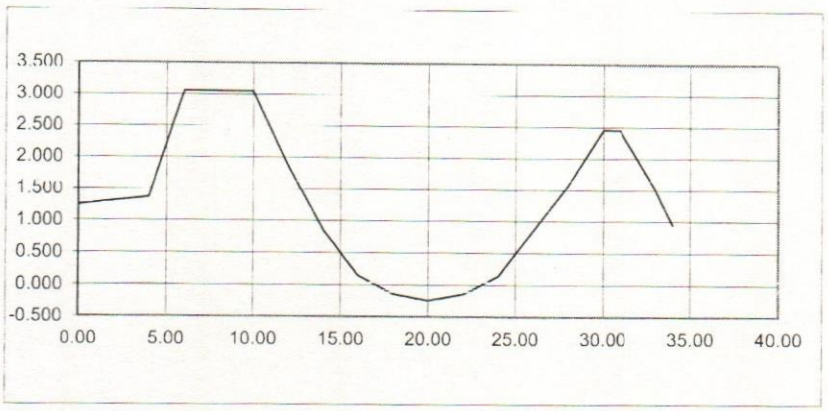
X - Section at km. 1.400

0.00	1.210	Ditch
2.00	1.854	
6.00	3.094	
10.00	3.079	LB
12.00	1.859	
14.00	1.110	
16.00	0.496	
18.00	0.086	
19.50	-0.015	CL
21.00	0.089	
23.00	0.354	
25.00	0.700	
27.00	0.999	
29.00	1.909	RB
30.00	1.904	
32.00	1.209	
34.00	0.680	Fisheries



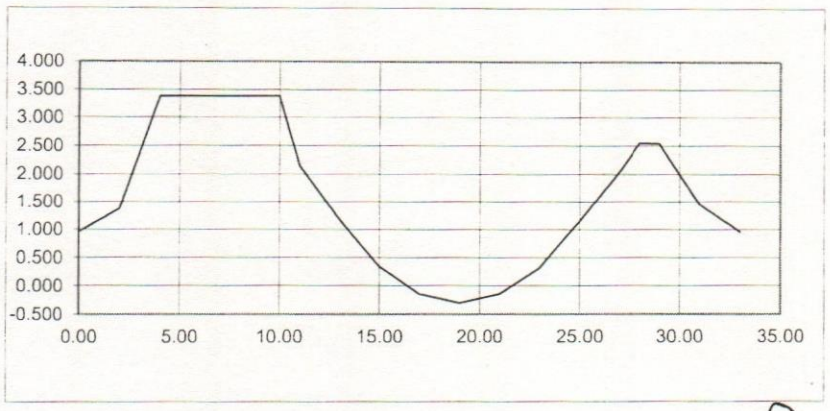
X - Section at km. 1.500

0.00	1.252	Fisheries
4.00	1.368	
6.00	3.058	BC road
10.00	3.047	LB
12.00	1.858	
14.00	0.856	
16.00	0.158	
18.00	-0.140	
20.00	-0.243	CL
22.00	-0.142	
24.00	0.147	
26.00	0.854	
28.00	1.558	
30.00	2.456	RB
31.00	2.447	
33.00	1.534	
34.00	0.957	Fisheries



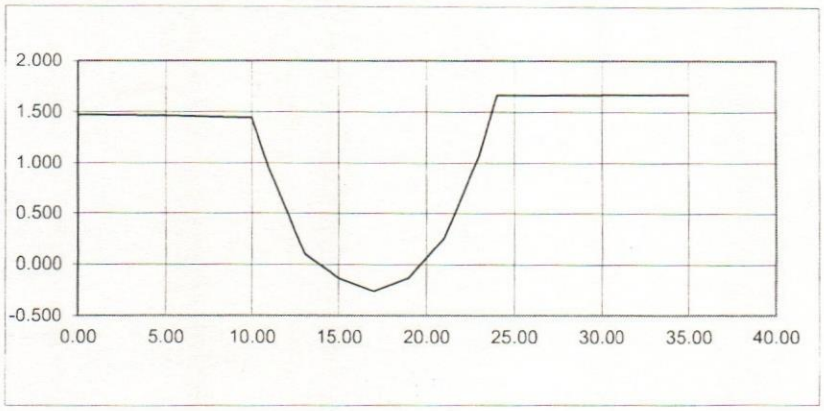
X - Section at km. 1.600

0.00	0.956	Fisheries
2.00	1.367	
4.00	3.394	BC road
10.00	3.387	LB
11.00	2.151	
13.00	1.168	
15.00	0.347	
17.00	-0.140	
19.00	-0.298	CL
21.00	-0.142	
23.00	0.316	
25.00	1.154	
27.00	2.064	
28.00	2.558	RB
29.00	2.547	
31.00	1.457	
33.00	0.954	Fisheries



X - Section at km. 1.660

0.00	1.474	Khal bank
5.00	1.463	
10.00	1.449	LB
11.00	0.942	
13.00	0.102	
15.00	-0.131	
17.00	-0.254	CL
19.00	-0.126	
21.00	0.264	
23.00	1.068	
24.00	1.661	RB
30.00	1.668	
35.00	1.673	Khal bank



30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

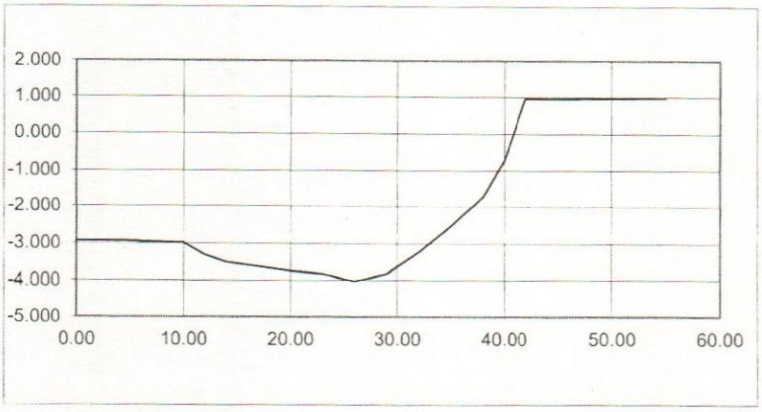
30/10/24
Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj.

30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Out fall khal **(Guadana khal)** Re-excavation of Basabari khal from km. 0.000 to km. 1.660 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

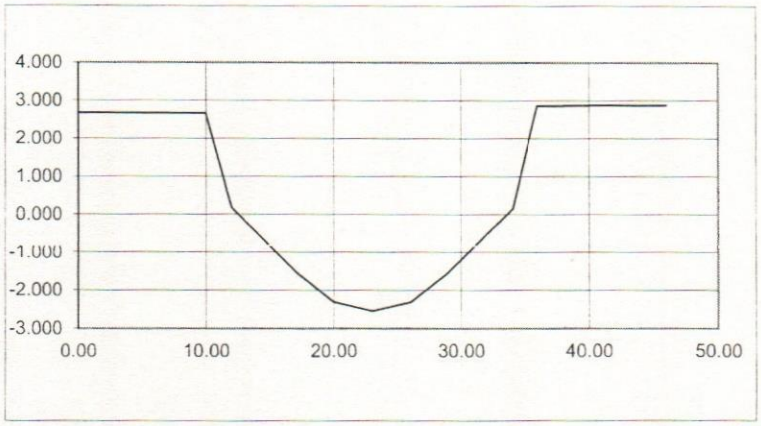
Cross section of Guadana khal along the Basabari khal

0.00	-2.929	Khal bed
5.00	-2.937	
10.00	-2.978	LB
12.00	-3.313	
14.00	-3.508	
17.00	-3.614	
20.00	-3.737	
23.00	-3.813	
26.00	-4.019	CL
29.00	-3.817	
32.00	-3.213	
35.00	-2.510	
38.00	-1.724	
40.00	-0.710	
42.00	0.955	RB
47.00	0.961	
55.00	0.985	Open land



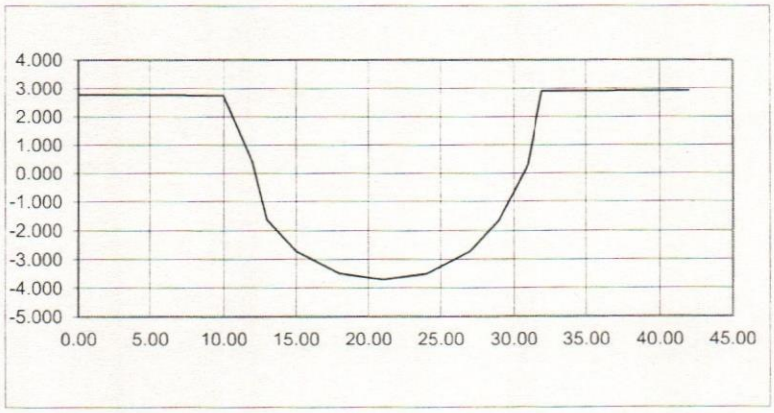
Cross section of Guadana khal 50 DS from meeting point of Basabari khal

0.00	2.681	Home stead
5.00	2.672	
10.00	2.663	LB
12.00	0.181	
14.00	-0.504	
17.00	-1.513	
20.00	-2.303	
23.00	-2.539	CL
26.00	-2.315	
29.00	-1.525	
32.00	-0.520	
34.00	0.145	
36.00	2.860	RB
40.00	2.876	
46.00	2.887	Home stead



Cross section of Guadana khal 50 US from meeting point of Basabari khal

0.00	2.781	Home stead
5.00	2.770	
10.00	2.754	LB
12.00	0.385	
13.00	-1.615	
15.00	-2.704	
18.00	-3.499	
21.00	-3.708	CL
24.00	-3.504	
27.00	-2.715	
29.00	-1.640	
31.00	0.325	
32.00	2.903	RB
37.00	2.912	
42.00	2.921	Home stead



30/10/24
(Md. Safiqul Islam Sheikh)
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30/10/24
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(Sadiur Rahman)
Sub-Assistant Engineer
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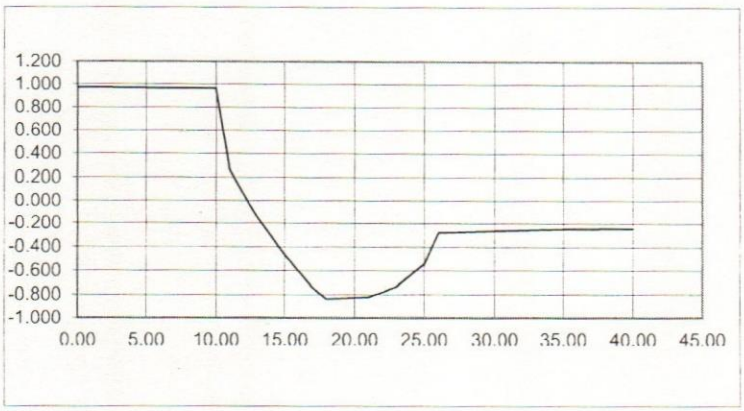
Cross Section of Offtake khal **(Rupahati Branch khal)** Re-excavation of Basabari khal from km. 0.000 to km. 1.660 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

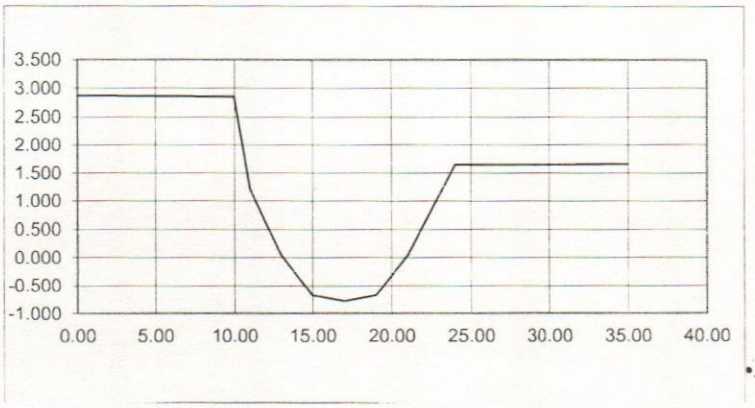
Cross section of Rupahati Branch khal along the Basabari khal

0.00	0.974	Open land
5.00	0.969	
10.00	0.964	LB
11.00	0.265	
13.00	-0.147	
15.00	-0.461	
17.00	-0.736	
18.00	-0.837	CL
19.00	-0.832	
21.00	-0.820	
23.00	-0.732	
25.00	-0.537	
26.00	-0.276	RB
30.00	-0.261	
35.00	-0.245	
40.00	-0.236	Khal bed



Cross section of Rupahati Branch khal 50 US from meeting point of Basabari khal

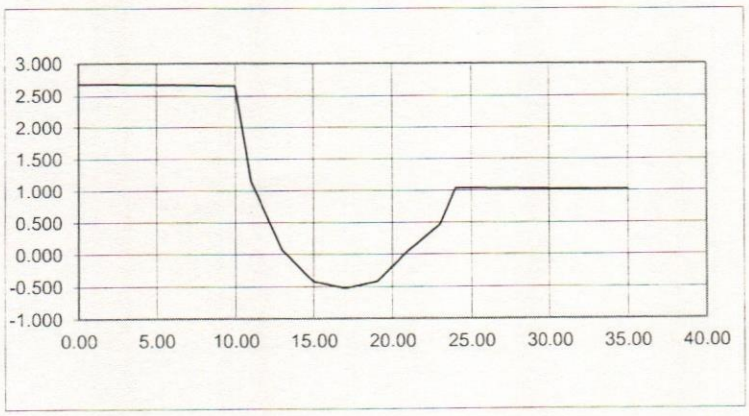
0.00	2.870	Home stead
5.00	2.863	
10.00	2.851	LB
11.00	1.220	
13.00	0.054	
15.00	-0.667	
17.00	-0.768	CL
19.00	-0.665	
21.00	0.038	
23.00	1.119	
24.00	1.659	RB
30.00	1.650	
35.00	1.675	Open land



Cross section of Rupahati Branch khal 50 DS from meeting point of Basabari khal

18.00

0.00	2.684	Home stead
5.00	2.675	
10.00	2.654	LB
11.00	1.149	
13.00	0.075	
15.00	-0.422	
17.00	-0.526	CL
19.00	-0.424	
21.00	0.054	
23.00	0.472	
24.00	1.049	RB
30.00	1.030	
35.00	1.020	Paddy land



Bainbunia Khal

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(Sadiur Rahman)
Sub-Assistant Engineer
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Specialized Division
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Data Checklist for the Re-excavation of Guadana west para khal

1.	Name of the proposed Khal	:	Guadana west para khal
2.	Catchments Area	:	110.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.52 m (PWD)
4.	Avg. Ground level of the area	:	0.850 m (PWD)
5.	Length of the Khal	:	0.942 km
6.	Bed level of the outfall Khal/River	:	(-) 0.127 (PWD) (Raghunathpur-Silna khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	5.00m.
10.	The proposed bed level of the Khal	:	(-) 1.50 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	28.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.

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(Sadiur Rahman)
Sub-Assistant Engineer
Specialized Division
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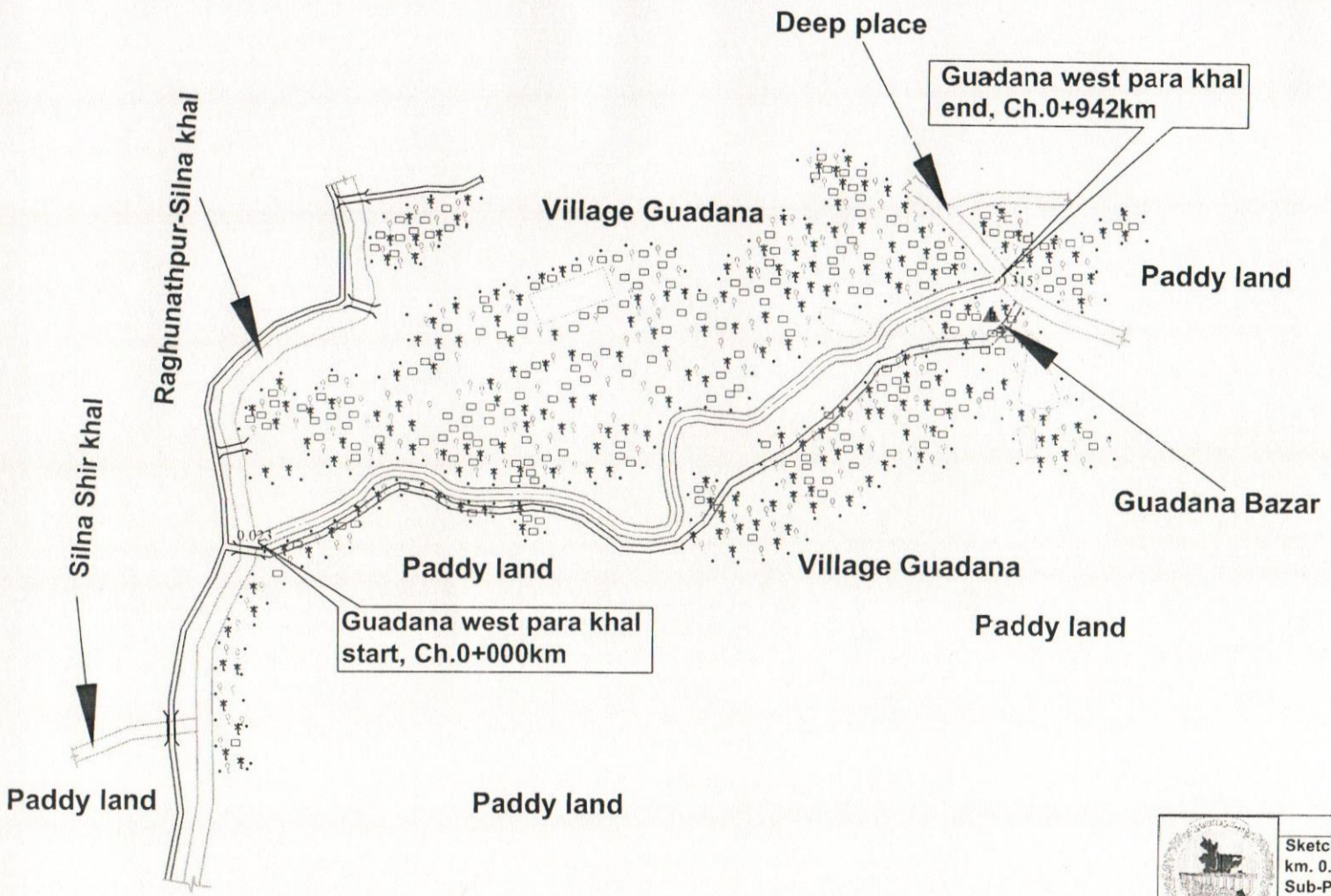
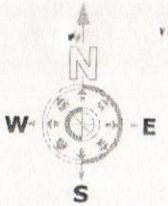
BWDB, Gopalganj





LEGEND:

- Existing Pucca Road .....
- Existing Earthen Road .....
- Existing HBB Road .....
- Existing Embankment .....
- Existing River .....
- Existing Khal .....
- Re-excavation of Khal.....
- Railway Line .....
- Existing Pond, Ditch.....
- Existing Bridge/Culvert.....
- Existing Reg/Sluice.....
- Structure-Permanent.....
- Structure-Semipermanent.....
- Structure-Tin-shed,Hut.....
- Mosque , Eid-Gaon, Tomp , Church , Temple , Graveyard.....
- Hat/Bazar.....
- School/ College.....
- Union Parishad.....
- Home steads/High Land.....

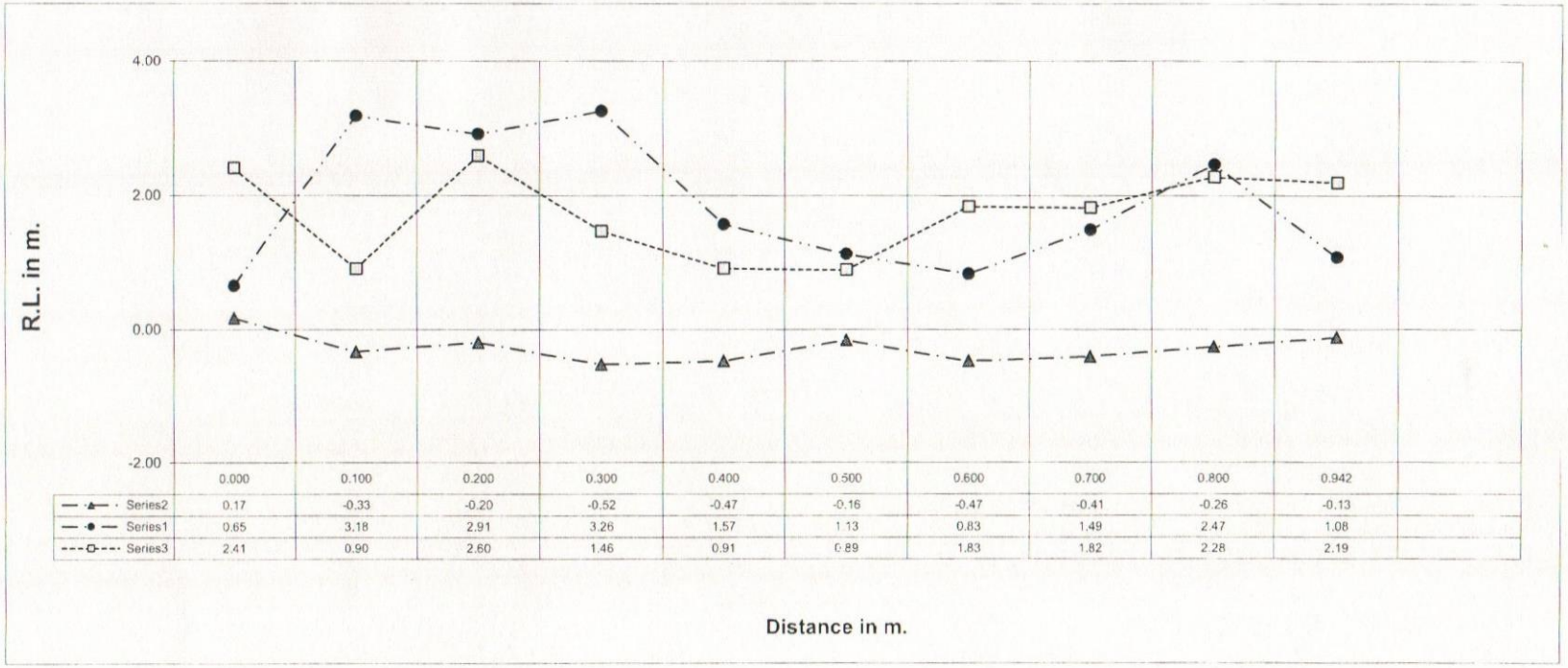
Bangladesh Water Development Board

Sketch Map for Re-excavation of Guadana west para khal from km. 0.000 to km. 0.942 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	(Sadiur Rahman) Sub-Assistant Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Ch.	Long Section of Guadana khal									
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.942
C/L R.L.	0.17	-0.33	-0.20	-0.52	-0.47	-0.16	-0.47	-0.41	-0.26	-0.13
L/BR.L.	0.65	3.18	2.91	3.26	1.57	1.13	0.83	1.49	2.47	1.08
R/B R.L.	2.41	0.90	2.60	1.46	0.91	0.89	1.83	1.82	2.28	2.19

Long Section for re-excavation of Guadana khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.942
Series2	0.17	-0.33	-0.20	-0.52	-0.47	-0.16	-0.47	-0.41	-0.26	-0.13
Series1	0.65	3.18	2.91	3.26	1.57	1.13	0.83	1.49	2.47	1.08
Series3	2.41	0.90	2.60	1.46	0.91	0.89	1.83	1.82	2.28	2.19

BANGLADESH WATER DEVELOPMENT BOARD

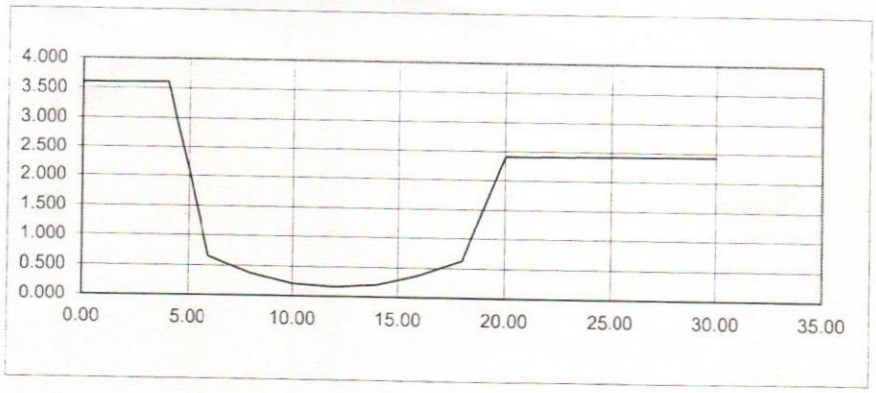
Long Section For Re-excavation of Guadana west para khal from km. 0.000 to km. 0.942 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Saiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj

Cross Section for Re-excavation of Guadana west para khal from km. 0.000 to km. 0.942 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

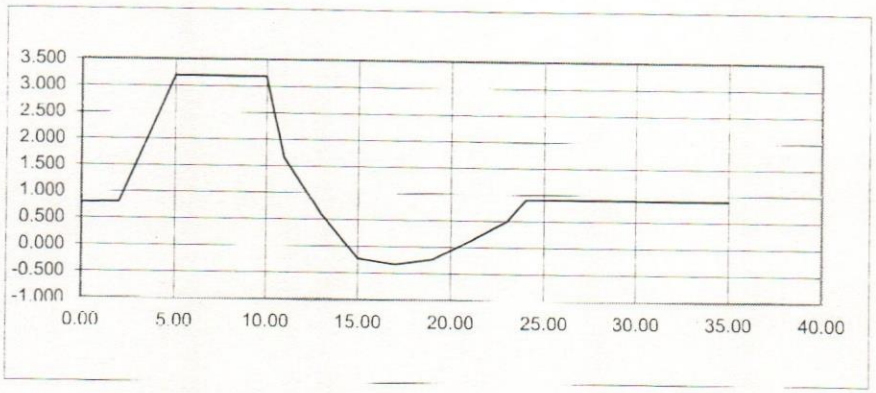
X - Section at km. 0.000

0.00	3.608	BC road
4.00	3.616	
6.00	0.649	LB
8.00	0.382	
10.00	0.217	
12.00	0.168	
14.00	0.212	
16.00	0.381	
18.00	0.628	
20.00	2.408	RB
25.00	2.423	
30.00	2.431	Pond bank



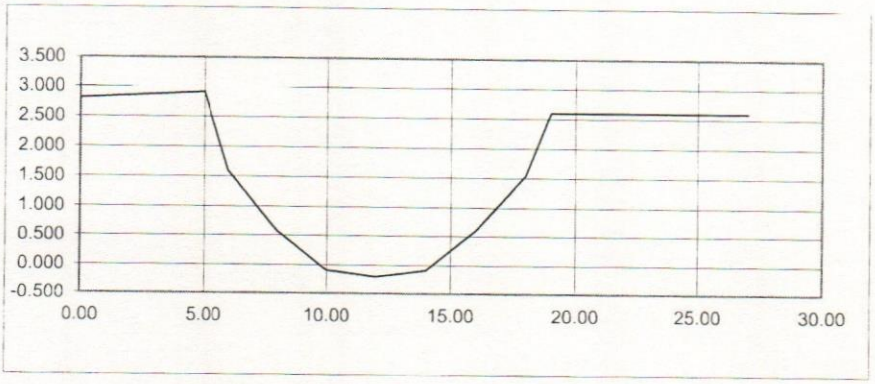
X - Section at km. 0.100

0.00	0.793	Shop
2.00	0.805	LB
5.00	3.192	
10.00	3.183	
11.00	1.665	
13.00	0.612	
15.00	-0.224	
17.00	-0.334	
19.00	-0.233	
21.00	0.112	RB
23.00	0.502	
24.00	0.903	
30.00	0.896	
35.00	0.891	Paddy land



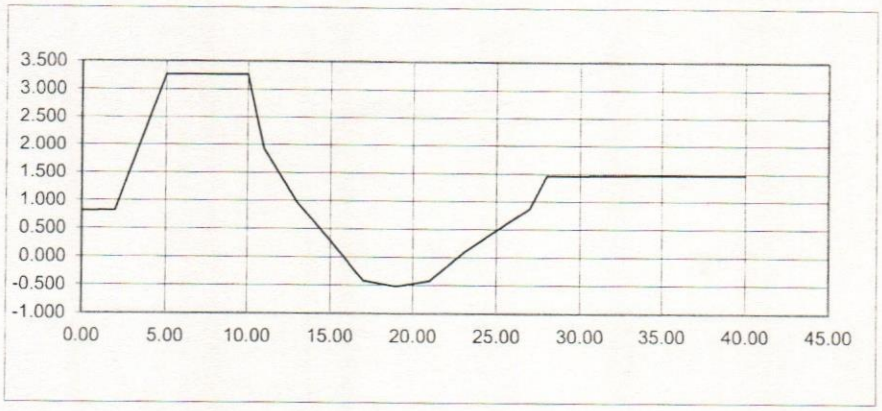
X - Section at km. 0.200

0.00	2.807	Shop
5.00	2.914	LB
6.00	1.602	
8.00	0.576	
10.00	-0.094	
12.00	-0.198	
14.00	-0.093	
16.00	0.607	
18.00	1.551	
19.00	2.597	RB
27.00	2.604	House



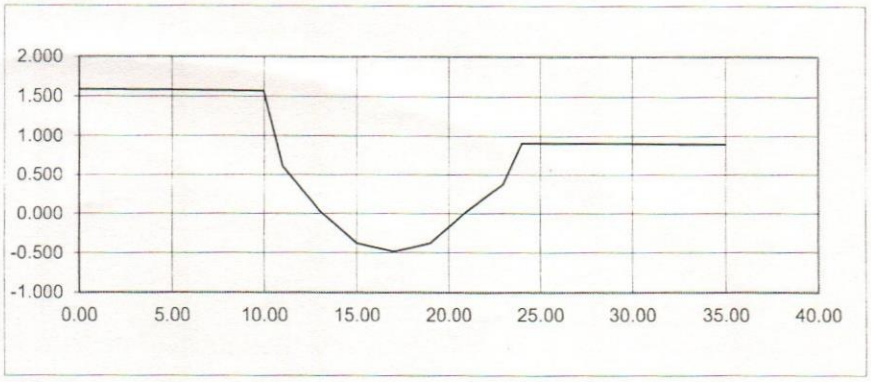
X - Section at km. 0.300

0.00	0.817	Paddy land
2.00	0.828	
5.00	3.263	LB
10.00	3.255	
11.00	1.937	
13.00	0.977	
15.00	0.289	
17.00	-0.415	
19.00	-0.523	
21.00	-0.418	
23.00	0.078	RB
25.00	0.479	
27.00	0.877	
28.00	1.464	
33.00	1.477	
40.00	1.487	Home shead



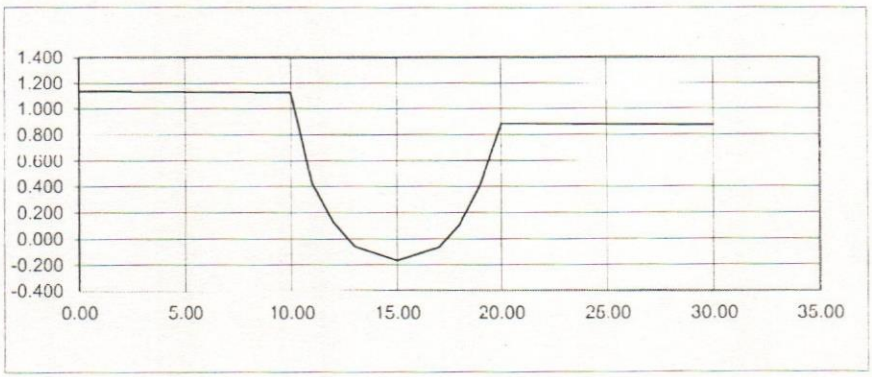
X - Section at km. 0.400

0.00	1.587	Open land
5.00	1.578	
10.00	1.565	LB
11.00	0.614	
13.00	0.039	
15.00	-0.369	
17.00	-0.473	
19.00	-0.368	
21.00	0.038	
23.00	0.382	
24.00	0.908	RB
30.00	0.904	
35.00	0.897	Open land



X - Section at km. 0.500

0.00	1.138	Paddy land
5.00	1.133	
10.00	1.125	LB
11.00	0.427	
12.00	0.132	
13.00	-0.058	
15.00	-0.164	
17.00	-0.062	
18.00	0.112	
19.00	0.418	
20.00	0.887	RB
25.00	0.878	
30.00	0.872	Low land

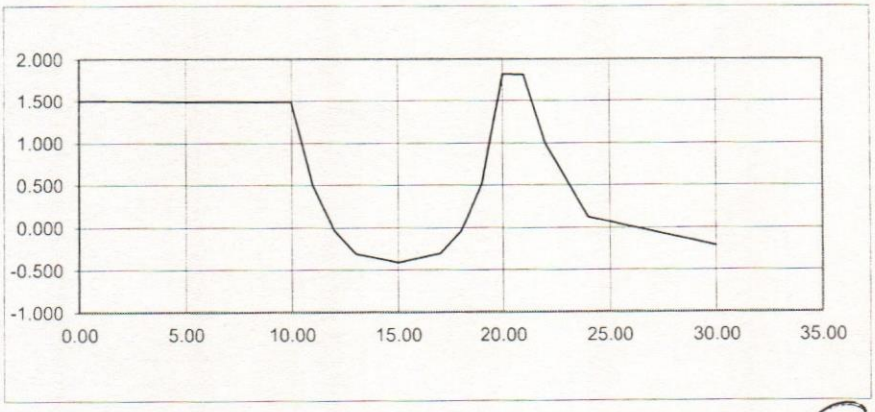


X - Section at km. 0.600

0.00	0.849	Paddy land
5.00	0.844	
10.00	0.829	LB
11.00	0.354	
13.00	-0.030	
15.00	-0.141	
17.00	-0.367	
19.00	-0.473	
21.00	-0.370	
23.00	-0.245	
25.00	-0.033	
27.00	0.270	
28.00	1.834	RB
33.00	1.845	
40.00	1.857	Pond bank

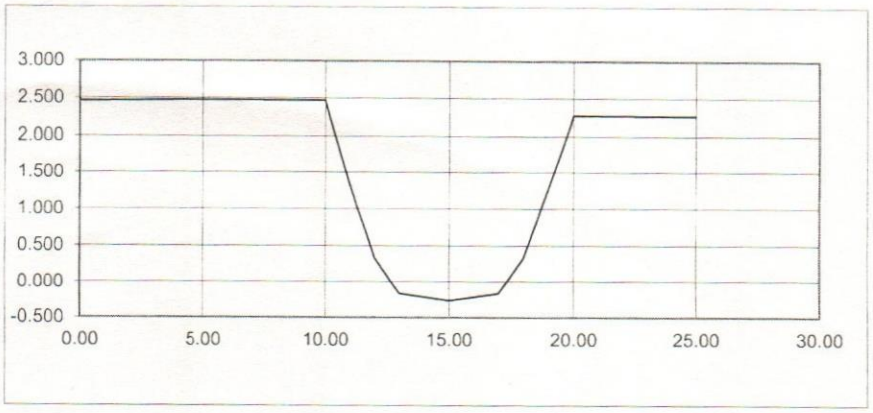
X - Section at km. 0.700

0.00	1.506	Paddy land
5.00	1.491	
10.00	1.485	LB
11.00	0.506	
12.00	-0.029	
13.00	-0.308	
15.00	-0.410	
17.00	-0.305	
18.00	-0.040	
19.00	0.514	
20.00	1.815	
21.00	1.810	
22.00	1.004	RB
24.00	0.126	Fisheries
30.00	-0.212	



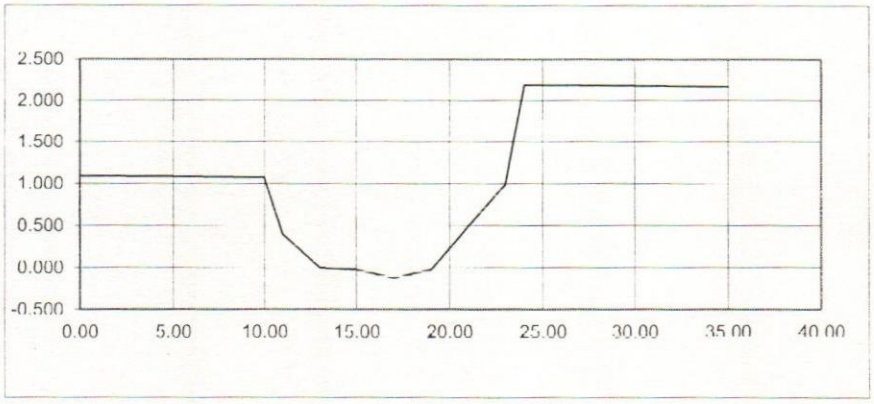
X - Section at km. 0.800

0.00	2.459	House
5.00	2.475	
10.00	2.466	LB
11.00	1.334	
12.00	0.340	
13.00	-0.160	
15.00	-0.261	
17.00	-0.159	
18.00	0.331	
19.00	1.291	
20.00	2.276	RB
25.00	2.270	House



X - Section at km. 0.942

0.00	1.096	Low land
5.00	1.089	
10.00	1.075	LB
11.00	0.395	
13.00	0.000	
15.00	-0.022	
17.00	-0.125	
19.00	-0.020	
21.00	0.490	
23.00	0.991	
24.00	2.190	RB
30.00	2.176	
35.00	2.167	Khal bank



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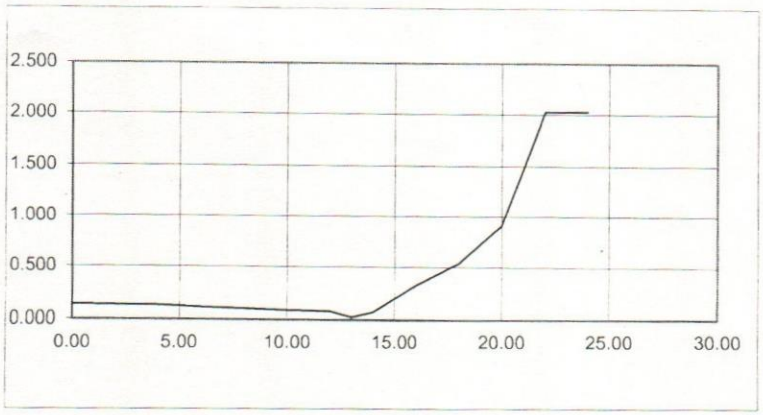
30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Cross Section of Out fall khal **(Raghunathpur-Silna khal)** Re-excavation of Guadana west para khal from km. 0.000 to km. 0.942 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISPWRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

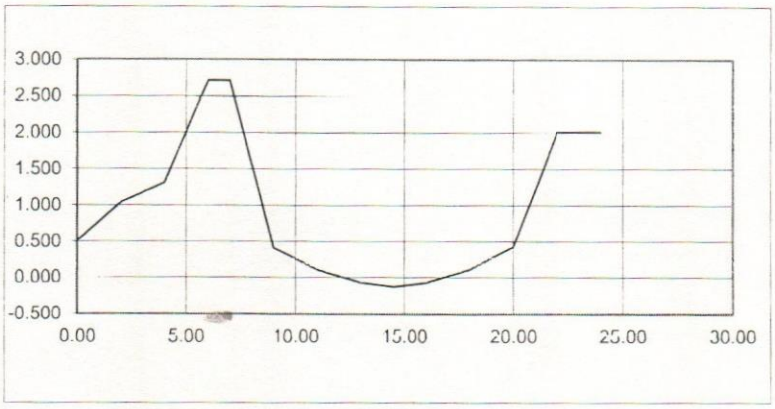
Cross section of Raghunathpur-Silna khal along the Guadana west para khal

0.00	0.138	Khal
2.00	0.133	
4.00	0.129	LB
6.00	0.108	
8.00	0.098	
10.00	0.085	
12.00	0.078	
13.00	0.023	
14.00	0.072	
16.00	0.329	
18.00	0.543	
20.00	0.918	
22.00	2.029	RB
24.00	2.033	Shop



Cross section of Raghunathpur-Silna khal 50m US from meeting point of Guadana west para khal

0.00	0.508	Pond
2.00	1.048	
4.00	1.313	
6.00	2.719	
7.00	2.713	LB
9.00	0.413	
11.00	0.108	
13.00	-0.069	
14.50	-0.127	
16.00	-0.071	
18.00	0.113	
20.00	0.429	
22.00	2.008	RB
24.00	2.013	Shop



Cross section of Raghunathpur-Silna khal 50m DS from meeting point of Guadana west para khal

0.00	3.118	BC road
4.00	3.113	LB
6.00	1.313	
8.00	0.951	
10.00	0.762	
12.00	0.530	
14.00	0.313	
16.00	0.162	
17.00	0.111	
18.00	0.165	
20.00	0.312	
22.00	0.529	
24.00	0.707	
26.00	0.923	
27.00	1.113	
30.00	2.938	RB
34.00	2.933	BC road

Bainbunia Khal

30/10/24
(Md. Safiqul Islam Sheikh)
Executive Engineer
Sub-Project Management Office
Specialized Division
IDWRM-KT & CRISP (ADB)
BWDB, Gopalganj.

30/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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30.10.24
(Sadiur Rahman)
Sub-Assistant Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalgonj

Water Level Data of SW 102, Bhatiapara, Gorai-Madhumati-Haringhata-Baleswar
Gopalganj O&M Division, BWDB, Gopalganj

District Nmae	UPZL_NAME	RIVER_NAME	Station ID	Station Name	Year	Yr._Max (m PWD)	Yr._Min (m PWD)	Yr._Ave (m PWD)	Max (m PWD)	Min (m PWD)
Gopalganj	Kashiani	Gorai-Madhumati-Haringhata-Baleswar	SW102	Bhatiapara	1959	5.53	2.02	3.61	6.99	0.07
					1960	6.05	0.72	2.92		
					1961	6.20	1.30	3.03		
					1968	6.79	1.70	4.04		
					1969	6.91	1.36	3.42		
					1970	6.78	1.44	3.52		
					1971	6.99	1.46	3.70		
					1972	5.58	1.36	2.88		
					1973	6.51	1.19	3.50		
					1974	6.73	1.58	3.46		
					1975	6.23	1.40	2.94		
					1976	6.32	1.16	3.12		
					1977	6.28	1.34	3.35		
					1978	6.47	1.31	3.50		
					1979	5.90	1.46	3.03		
					1980	6.72	1.28	3.30		
					1981	6.40	1.28	3.12		
					1982	6.44	0.20	2.94		
					1983	5.77	0.90	2.81		
					1984	5.77	0.47	2.61		
					1985	5.25	0.66	2.49		
					1986	5.47	0.19	2.19		
					1987	5.69	0.30	2.21		
					1988	5.90	0.17	2.12		
					1989	4.79	0.07	1.97		
					1990	5.38	0.24	2.30		
					1991	5.70	0.50	2.22		
					1992	4.57	0.37	1.81		
					1993	4.86	0.30	2.06		
					1994	4.85	0.22	1.80		
					1995	4.60	0.25	2.11		
					1996	5.00	0.17	2.24		
					1997	2.33	0.90	1.42		
					1998	5.86	0.18	2.43		
					1999	3.96	0.20	2.62		
					2000	5.10	0.41	2.43		
					2001	4.73	0.68	2.43		
					2002	4.65	0.40	2.16		
					2003	4.75	0.40	2.14		
					2004	4.62	0.25	2.24		
					2005	5.70	1.40	3.00		
					2006	4.16	0.95	2.35		
					2007	5.01	0.46	2.21		
					2008	4.86	0.37	2.20		
					2009	4.30	0.29	1.80		
					2010	4.68	0.29	2.03		
					2011	5.01	0.40	2.16		
					2012	4.74	0.55	2.25		
					2013	4.88	0.55	2.31		
					2014	4.93	0.41	1.95		
					2015	4.92	0.46	2.12		
					2016	4.93	0.30	2.07		
					2017	5.01	0.66	2.09		
					2018	4.94	0.57	1.93		
					2019	5.00	0.55	2.05		
					2020	4.85	0.56	2.33		

*** Max in the year 1971** ***Min in the year 1989**

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Rainfall Data of CL409, Haridaspur
Gopalganj O&M Division, BWDB, Gopalganj

District	UZ Name	Station Name	Station_ID	Year	Yearly Max. Rainfall (mm)
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2001	92
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2002	230
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2003	148
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2004	320
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2005	225
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2006	287
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2007	120
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2008	146
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2009	105
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2010	90
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2011	105
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2012	107
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2013	100
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2014	90
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2015	96
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2016	198
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2017	110
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2018	98
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2019	110
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2020	71

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Monthly Total Rain fall Data for CL 409 (1987-2020), Haridaspur, Gopalganj
Gopalganj O&M Division, BWDB, Gopalgnaj

Year	January	February	March	April	May	June	July	August	September	October	November	December	Monthly Max	Monthly Min	Yearly Total	Pre.Mon Total	Monsoon Total	Post. Monsoon T.	Dry Total
1987	0.00	2.50	20.30	19.70	114.80	522.70	545.30	464.80	227.60	126.20	12.90	0.00	545.30	0.00	2056.80	154.80	1760.40	139.10	2.50
1988	0.00	51.00	50.00	132.50	272.60	484.90	283.00	191.90	72.40	240.10	141.00	0.00	484.90	0.00	1919.40	455.10	1032.20	381.10	51.00
1989	0.00	12.20	0.00	25.90	260.70	290.60	267.00	163.00	220.90	232.20	1.50	0.00	290.60	0.00	1474.00	286.60	941.50	233.70	12.20
1990	0.00	92.70	200.80	47.20	209.80	213.20	651.80	340.40	317.20	12.70	85.50	0.90	651.80	0.00	2172.20	457.80	1522.60	98.20	93.60
1991	45.00	37.00	91.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	0.00	173.00	91.00	0.00	0.00	82.00
1992	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	0.00	0.00	0.00	186.50	287.80	340.70	263.50	433.30	339.30	109.70	32.70	0.00	433.30	0.00	1993.50	474.30	1376.80	142.40	0.00
1994	2.00	18.50	62.70	105.30	228.50	303.70	178.30	236.00	161.50	205.20	17.50	0.00	303.70	0.00	1519.20	396.50	879.50	222.70	20.50
1995	5.50	61.50	0.00	43.00	158.00	323.50	330.00	280.50	112.50	65.00	159.50	0.00	330.00	0.00	1539.00	201.00	1046.50	224.50	67.00
1996	8.50	11.50	33.00	140.50	92.00	411.00	193.00	258.50	103.00	226.50	31.00	0.00	411.00	0.00	1508.50	265.50	965.50	257.50	20.00
1997	6.00	20.00	63.00	156.50	118.00	316.50	309.50	326.50	431.00	26.50	8.00	24.50	431.00	6.00	1806.00	337.50	1383.50	34.50	50.50
1998	32.50	24.00	200.00	184.00	218.50	189.00	252.50	359.50	186.00	191.00	112.50	0.00	359.50	0.00	1949.50	602.50	987.00	303.50	56.50
1999	0.00	0.00	0.00	44.00	202.00	159.50	607.50	609.50	350.00	287.50	13.80	0.00	609.50	0.00	2273.80	246.00	1726.50	301.30	0.00
2000	0.00	0.00	0.00	127.50	307.50	213.00	254.00	385.00	288.90	275.50	0.00	0.00	385.00	0.00	1851.40	435.00	1140.90	275.50	0.00
2001	0.00	32.00	25.00	22.00	314.00	499.10	324.20	140.00	36.30	225.00	28.00	0.00	499.10	0.00	1645.60	361.00	999.60	253.00	32.00
2002	8.00	0.00	45.00	102.00	450.00	609.40	314.00	493.00	253.00	7.00	186.00	0.00	609.40	0.00	2467.40	597.00	1669.40	193.00	8.00
2003	0.00	8.00	78.00	95.40	28.00	258.00	0.00	258.00	177.00	110.00	257.00	21.00	258.00	0.00	1290.40	201.40	693.00	367.00	29.00
2004	0.00	0.00	2.00	85.00	135.20	349.90	146.20	261.30	817.00	195.00	0.00	0.00	817.00	0.00	1991.60	222.20	1574.40	195.00	0.00
2005	0.00	15.00	92.00	23.00	176.30	116.20	517.20	120.00	70.00	447.00	0.00	0.00	517.20	0.00	1576.70	291.30	823.40	447.00	15.00
2006	0.00	0.00	0.00	20.00	0.00	150.00	323.00	280.00	774.00	0.00	0.00	0.00	774.00	0.00	1547.00	20.00	1527.00	0.00	0.00
2007	0.00	100.00	0.00	0.00	85.00	310.00	517.00	290.00	351.00	303.00	147.00	0.00	517.00	0.00	2103.00	85.00	1468.00	450.00	100.00
2008	57.00	12.00	22.00	15.00	228.00	243.00	553.00	238.00	304.00	354.00	0.00	0.00	553.00	0.00	2026.00	265.00	1338.00	354.00	69.00
2009	0.00	0.00	10.00	20.00	112.00	118.00	293.00	379.00	206.00	244.00	0.00	0.00	379.00	0.00	1382.00	142.00	996.00	244.00	0.00
2010	0.00	0.00	0.00	5.00	144.00	330.00	218.00	69.00	78.00	172.00	0.00	3.00	330.00	0.00	1019.00	149.00	695.00	172.00	3.00
2011	0.00	0.00	16.00	39.00	98.00	555.00	220.00	456.70	58.00	0.00	0.00	0.00	555.00	0.00	1442.70	153.00	1289.70	0.00	0.00
2012	0.00	0.00	0.00	67.00	138.00	217.00	312.00	284.00	267.00	76.00	92.00	0.00	312.00	0.00	1453.00	205.00	1080.00	168.00	0.00
2013	0.00	7.00	14.00	40.00	266.00	78.00	295.00	491.00	171.00	430.00	0.00	0.00	491.00	0.00	1792.00	320.00	1035.00	430.00	7.00
2014	0.00	18.00	40.00	0.00	133.00	621.00	414.00	210.00	252.00	10.00	0.00	9.00	621.00	0.00	1707.00	173.00	1497.00	10.00	27.00
2015	0.00	0.00	37.00	166.00	0.00	201.00	465.00	353.00	242.00	0.00	0.00	0.00	465.00	0.00	1464.00	203.00	1261.00	0.00	0.00
2016	0.00	7.00	0.00	0.00	351.00	458.00	634.00	268.00	59.00	43.00	0.00	0.00	634.00	0.00	1820.00	351.00	1419.00	43.00	7.00
2017	0.00	0.00	11.00	64.00	168.00	247.00	769.00	425.00	192.00	265.00	0.00	0.00	769.00	0.00	2141.00	243.00	1633.00	265.00	0.00
2018	0.00	0.00	0.00	218.00	331.00	333.00	322.00	102.00	118.00	8.00	0.00	0.00	333.00	0.00	1432.00	549.00	875.00	8.00	0.00
2019	0.00	257.00	0.00	171.00	168.00	213.00	541.00	317.00	231.00	266.00	137.00	0.00	541.00	0.00	2301.00	339.00	1302.00	403.00	257.00
2020	20.00	0.00	0.00	120.00	306.00	307.00	377.00	204.00					377.00	0.00	1334.00	426.00	888.00	0.00	20.00

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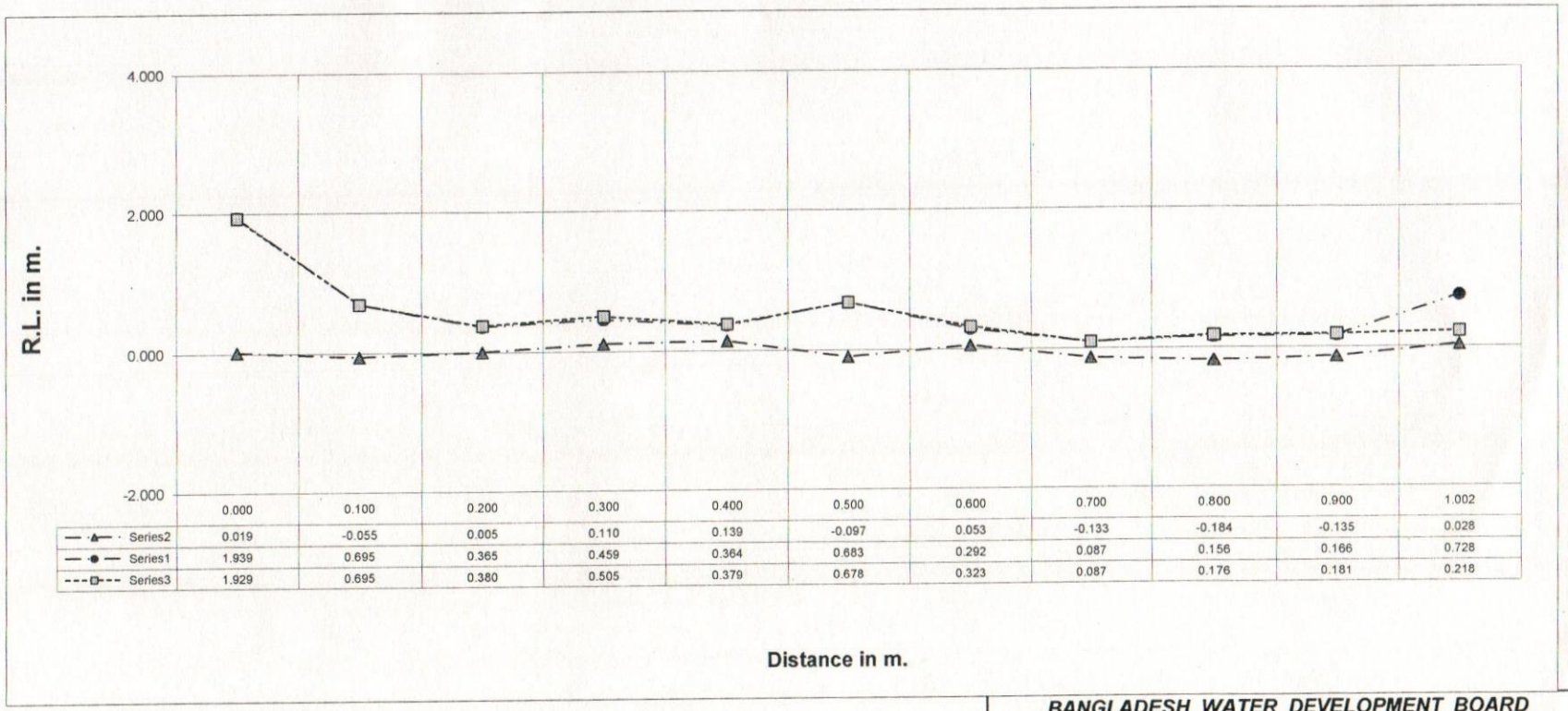
Ch.	Long Section of Nawdanga khal										
Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.002
C/L R.L.	0.019	-0.055	0.005	0.110	0.139	-0.097	0.053	-0.133	-0.184	-0.135	0.028
L/BR.L.	1.939	0.695	0.365	0.459	0.364	0.683	0.292	0.087	0.156	0.166	0.728
R/B R.L.	1.929	0.695	0.380	0.505	0.379	0.678	0.323	0.087	0.176	0.181	0.218

Long Section for re-excavation of Nawdanga khal



	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.002
Series2	0.019	-0.055	0.005	0.110	0.139	-0.097	0.053	-0.133	-0.184	-0.135	0.028
Series1	1.939	0.695	0.365	0.459	0.364	0.683	0.292	0.087	0.156	0.166	0.728
Series3	1.929	0.695	0.380	0.505	0.379	0.678	0.323	0.087	0.176	0.181	0.218

BANGLADESH WATER DEVELOPMENT BOARD

Long Section for Re-excavation of Nawdanga khal from km. 0.000 to km. 1.002 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

30/10/24	30/10/24	30.10.24
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Mohammad Zahir Mazhar)** Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj	**(Sadiur Rahman)** Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalgonj