CHTDB User Manual

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1 Query Module

1.1 S1: Basic Info

This page displays basic information regarding collectors, inspectors and supervisors for each case. The table displays the following fields of data for each of them:

- Name
- Designation
- Mobile
- Date

Bas	ic Informat	ion										
			Search									
Distric	t •	Upazila/Than	a: 💶 🗸 Union/V	Vard: 💶 🗸 Ma	uza: 🚭 🕶 Para: 🖃	~						
	Collector Data				Inspector Data				Supervisor Da	ta		
Index	Name	Designation	Mobile	Date	Name	Designation	Mobile	Date	Name	Designation	Mobile	Date
1	LAYLA	PW	01978067861	28/00/2020	HAPPI BARUYA	FO	01822364983	28/00/2020	MD. ABDULLAH AL MAMUN	АРМ	01855960105	20/00/2020
2	SHAHAWARI	PW	01886347851	07/00/2020	TASLIMA	FO	01855960508	07/00/2020	RAJENDRO LAL CHAKMA	APM	01855960111	07/00/2020
3	Thuinuching Marma	PW	01557314813	12/00/2020	Numepru Marma	FO	01855960592	20/00/2020	Mukesh Chakma	APM	01553767572	20/00/2020
4	Mohosena Akter	PW	01829-9099100	18/00/2020	Asma Akter	FO	01855-960598	20/00/2020	Rubel Hossen	APO	01855-960633	20/00/2020
5	Achingnu Marma	PW	01882842256	20/00/2020	Asma Akter	FO	01855960598	20/00/2020	Rubel	APM	01855960633	20/00/2020
6	Zorinkim Bom	PW	01575408686	29/00/2020	Numepru Marma	FO	01855960592	01/00/1900	Mukesh Chakma	APM	01553767572	20/00/2020
7	FATEMA BEGUM	PW	01834636848	29/00/2020	HAPPY BARUYA	FO	01822364983	01/00/1900	MD. ABDULLAH AL MAMUN	APM	01855910105	01/00/1900
8	NUIKHEN MRC	PW	0188383457	18/00/2020	NUMEPRU MARMA	FO	01855960592	20/00/2020	MUKESH CHAKMA	APM	01553767572	20/00/2020
9	RAJIA BEGUM	PW	01866286546	28/00/2020	FAMEJUNNESA	FO	01855960595	28/00/2020	MUN MUNI CHAKMA	APM	01855960632	28/00/2020
10	IVANA TRIPURA	PW		13/00/2020	NUMEPRU MARMA	FO	01855960592	20/00/2020	MUKESH CHAKMA	APM	01553767572	20/00/2020
1 2	3 4 5 6 7 8	3 9 10 11 12	13 14 15 16 1	7 18 19 20 21	22 23 24 25 26 2	7 28 29 30 31	32 33 34 35 3	6 37 38 39 40	41 42 43 44 45	46 47 48 49	50	

Figure 1.1 Basic Information Data Table

A search bar can be seen on the top of the page which allows a user to search the records using Case Ids.

There are also several filters available for use between the search bar and the table. These allow a user to filter the data by:

- District
- Upazila/Thana
- Union/Ward
- Mauza
- Para

These filters each depend on the filters to their left. So each filter will only show a list of options when an adjacent filter to its left has been applied. Once a selection is made on the dropdowns to the left of a filter, it would display a list of regions within the currently selected regions. This keeps the dropdown list short and easier to use.

1.2 S2: Types of Water Source

This page displays a table showing the count of selected types of water sources grouped by selected boundaries.

Types of Water Sources			
Select Boundaries:			
District Upazila Union	Mauza 🗌 Para		
Water Sources: Toggle Check All			
🗆 ১) গভীর নলকূপ	২) অগভীর নলকূপ	৩) জিএফএস	৪) আংশিক জিএফএস
🗌 ৫) স্থানীয় জিএফএস	৬) কুয়া	৭) রিংওয়েল (পাতকুয়া)	৮) সংরক্ষিত বৃষ্টির পানি
🛛 ৯) ইনফিলট্রেসান গ্যালারী (আইএফজি)	১০) পুকুর	১১) জলাশয়	১২) ঝর্না
🗆 ১৩) ছড়া	১৪) ঝিড়ি	১৫) নদী	১৬) খাল
🗌 ১৭) লেক	১৮) মৌসুমী বৃষ্টির পানি	১৯) ছড়া/ঝিড়িতে বাঁধ দিয়ে সংরক্ষিত পানি	২০) অন্যান্য
Load			

Figure 1.2 Types of Water Sources Checkboxes

Several checkboxes can be seen on this page. They are displayed in two separate groups:

- Boundaries
- Water Sources

The first group of checkboxes are the boundaries. These checkboxes allow a user to specify what kind of regional grouping they want when they access the data from the database.

The second group of checkboxes are the water sources. These checkboxes allow the user to select which types of water sources they want to know the count of when retrieving the data from the database. As there are 20 options, selecting all of which can be a tedious task, a "Toggle Check All" button has been added to this group. This allows a user to toggle between having all of the checkboxes checked in the list and none at all.

Se 2	District	ndaries:	azila 🕻	2 Union	Mau Mau	za 🗹	Para																		
Wa	ater Sour ১) গড়ীর ৫) স্থানীয় ৯) ইনচ্চি ১৩) চূড়া ১৭) লেক	ces: া বলকুপ াজিএফ্ডর নট্রেসান	ioggle Chi মস প্যালারী (ack All আইএফজি)	 2 /p 3 /p 3 /p 3 /p 4 /p 4 /p 5 /p<th>অগভীয় কুয়া) পুরুর) ঝিড়ি) মৌসুর্য</th><th>র নলকুপ যী বৃষ্টির</th><th>ठ ठ लामि ठ</th><th>৩) জিরাম ৭) রিংওচ ১১) জলা ১৫) নদী ১৯) ছড়া</th><th>হুএস য়ন (পাতকু শয় শ্বিড়িতে বা</th><th>য়া) ৰি দি</th><th>য়ে সংরক্ষি</th><th>ত পান্দি</th><th> ৪) জ্যাংশি ৮) সংরগি ১২) ঝন্যা ১৬) খান ২০) জন্য </th><th>ক হি হৈত ব্</th><th>ইরক্ষরস ষ্টির পার্হি</th><th>िन</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th>	অগভীয় কুয়া) পুরুর) ঝিড়ি) মৌসুর্য	র নলকুপ যী বৃষ্টির	ठ ठ लामि ठ	৩) জিরাম ৭) রিংওচ ১১) জলা ১৫) নদী ১৯) ছড়া	হুএস য়ন (পাতকু শয় শ্বিড়িতে বা	য়া) ৰি দি	য়ে সংরক্ষি	ত পান্দি	 ৪) জ্যাংশি ৮) সংরগি ১২) ঝন্যা ১৬) খান ২০) জন্য 	ক হি হৈত ব্	ইরক্ষরস ষ্টির পার্হি	िन								
ndex	District	Upazila	Union	Mauza	Para	গভীর শলকুপ	অগন্ডীর নলকুপ	জিৰদ্দৰগ	আংশিক জিরফরস	স্থানীয় জিনফরস	문의	রিংওয়েল (পাতকুয়া	সংরক্ষিত বৃষ্টির পানি	ইবছিলট্টেসান গ্যানারী (আইএফজি)	1Ŧ	জনাশ্য	ৰাৰ্শ	ছত	াৰিছি	त्वम्	খান	লেৰ	যৌসুর্য বৃষ্টির পানি	ছড়া/ বিড়িডে বাঁধ দিয়ে সংরক্ষিড পানি	জ্ঞান 5
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Abu Maji Para	0	0	0	0	0	1	3	0	0	1	0	0	0	0	0	0	0	0	0	0
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Abu Mia Para	0	0	0	0	0	0	4	0	0	10	0	0	0	1	0	1	0	0	0	0
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Alimuddir Para	118	0	0	0	0	0	4	0	0	28	2	0	0	0	0	0	0	0	0	0
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Amtali	0	0	0	0	0	0	3	0	0	4	0	0	0	0	0	1	0	0	0	0
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Aongbai Para	0	0	0	0	0	0	32	0	0	10	0	0	0	0	2	0	0	0	0	0
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Asthu Tripura Para	0	0	0	0	0	0	3	0	0	0	1	0	0	1	0	0	0	0	o	0
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Battali Para	0	0	0	0	0	2	3	0	0	1	0	0	0	0	0	0	0	0	1	0
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Buluka Para	6	0	0	0	0	18	0	0	0	3	0	0	0	0	0	3	0	0	0	0
	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Chandra Mohan Para	0	0	0	0	0	1	5	0	0	3	0	0	0	1	0	0	0	0	0	0
	Pandarban	Alikadam	Alkadam	20030431142	Chator							1		0					1					0	

Figure 1.3 Types of Water Sources Data Table

To load the data, the user must click on the "Load" button after having finished filling up the checkbox forms above. Keep in mind, the user will not be able to access any data before at least one checkbox is filled from both groups. Failing to do so, will display an error at the bottom of the screen reminding the user to select at least one boundary and one water source.

yp	es of water Sources						
Se	lect Boundaries:						
0	District 🗌 Upazila 🗌 Union	0	Mauza 🗌 Para				
Wa	ter Sources: Toggle Check All						
	১) গড়ীর নলকপ		১। আগভীর নলকপ		<u>৬) জি বছ বস</u>	0	৪) আংশিক ক্রি এচন এস
	 ৫) जानीय क्रि.वफ.वज 	0	५) कया	0	৭) বিংওয়েল (পাতকয়া)	0	৮) সংবক্ষিত বর্ষ্টির পানি
	 ৯) ইনফিলটেসান গ্যালারী (আইএফজি) 	0	১০) প্রকর	0	55) जानागाय		১২) यन्ता
-	১৩) ছডা		১৪) ঝিডি	0	১৫) नमी	0	১৬) খাল
0	১৭) লেক		১৮) মৌসুমী বৃষ্টির পানি		১৯) ছড়া/ঝিড়িতে বাঁধ দিয়ে সংরক্ষিত পানি		২০) অন্যান্য
Load							
	aries have not been selected!						

Figure 1.4 Types of Water Sources Error on No Selections

1.3 S3, S4, S5 Jhorna Chhara Jhiri Info

This page displays different kinds of data regarding the Jhorna, Chhara and Jhiris in each region.

The first input seen in the form is a dropdown list containing the kinds of data that the user may access using this page. The dropdown contains the following types of data:

- Reasons for the Water Source becoming Seasonal from Perennial
- Ways to make the Water Source Perennial
- Reasons for the Water Source Being Dead.
- Ways to Revive the Water Source
- Amount of Water Flow in Dry Seasons
- Amount of Water Flow in Monsoon
- Quality of Water from the Water Source
- Usage of Water from the Water Source
- Reasons for a Water Source Being Unstable
- Ways to make the Water Source Accessible/Usable
- Possibility of Usage of the Water Source
- Landslides around the Water Source
- Reasons for Landslides
- Types of Sediment
- Situation of Sediment in the Water Source
- Magnitude of Breakage on the edge of the Water Source
- Existence of Breakage on the edge of the Water Source
- Additional Information Regarding the Jhiri

Each of these options can generate a different table containing a different kind of data related to the option. But before a user can actually see the data there are more options that the user must select to define what kind of table the user wants from the system.

All of the options listed above have the same boundaries options listed in a checkbox. The user must specify at least one of these boundaries and therefore can group the accessed data using the boundary grouping.

Reasons the Waterfall/Chhara/Jhiri became Seasonal from Perennial

Figure 1.5 Data Type, Water Source and Boundary options

We can also see a radio button list of water sources containing the following options:

- Waterfall
- Chhara
- Jhiri

This option defines which water source we are extracting the data for. The list may vary based on the selection made by the user on the data field dropdown list but will always contain options from among the three mentioned above. These variations along with more information regarding these options are mentioned below in the sections 1.3.1 to 1.3.18.

1.3.1 Reasons for the Water Source Becoming Seasonal from Perennial



Figure 1.6 Boundary wise data listing count of cases for each reason for the waterfall becoming seasonal from perennial

The bottom section should now display a list of reasons for the water source becoming seasonal from perennial. Selecting the reasons would allow the data extraction from the database to add rows for each reason and show a count of the number of cases for which the corresponding reason was the reason specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.6.

1.3.2 Ways to make the Water Source Perennial

Selecting this data field keeps all three water sources in a radio button list that must have exactly one option selected before loading the data.





The bottom section should now display a list of ways to make the water source perennial. Selecting the ways would allow the data extraction from the database to add rows for each way and show a count of the number of cases for which the corresponding way was the way specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.7.

1.3.3 Reasons for the Water Source Being Dead

F	Reasons for	the Water S	ource Being De	ead : Toggle Check All	
	Insufficient rainfall				
	msumclent rainai				
	Cutting down trees a	nd not reforesting			
	Unplanned zoom cul	tivation			
2	Stone lifting				
	Unplanned developm	nent work			
	Tobacco cultivation b	by destroying forests			
	Excessive use of wat	ter for cultivation			
	Commercial Tree				
	Others				
	Others				
Load					
Load	District Unazila/Than	allnion Mauza	Para	ReasonsDeath	Number Of Cases
Load ndex	District Upazila/Than BandarbanAlikadam	aUnion Mauza Alikadam20030431142	Para AlikadamAbu Mia Para	ReasonsDeath Cutting down trees and not reforesting	Number Of Cases
Load ndex	District Upszila/Than Bandarban Alikadam Bandarban Alikadam	aUnion Mauza Alikadam20030431142 Alikadam20030431142	Para Alikadam Abu Mia Para Alikadam Abu Mia Para	ReasonsDeath Cutting down trees and not reforesting Insufficient rainfall	Number Of Cases
Load ndex	District Upazila/Than Bandarban Alikadam Bandarban Alikadam Bandarban Alikadam	a <mark>Union Mauza</mark> Alikadam20030431142 Alikadam20030431142 Alikadam20030431142	Para Alikadam Abu Mia Para Alikadam Abu Mia Para Alikadam Abu Mia Para	ReasonsDeath Cutting down trees and not reforesting Insufficient rainfall Tobacco cutivation by destroying forests	Number Of Cases 1 1 1
Load	District Upazila/Than Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam	a <mark>Union Mauza</mark> Jalikadam/20030431142 Alikadam/20030431142 Alikadam/20030431142 Alikadam/20030431142	Para Alikadam¦Abu Mia Para Alikadam Abu Mia Para Alikadam Abu Mia Para Alikadam Abu Mia Para	ReasonsDeath Cutting down trees and not reforesting Insufficient rainfall Tobacco cuttivation by destroying forests Upglanned development work	Number Of Cases 1 1 1 1
Load	District Upazila/Than Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam	aUnion Mauza Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142	Pora Alikadam/Abu Mia Para Alikadam/Abu Mia Para Alikadam/Abu Mia Para Alikadam/Abu Mia Para	ReasonsDeath Cutting down trees and not reforesting Insufficient rainfall Tobacco cultivation by destroying forests Unplanned development work og Pan2Commercial Tree	Number Of Cases 1 1 1 1 1
Load	District Upazila/Than Bandarbar/Alikadam Bandarbar/Alikadam Bandarbar/Alikadam Bandarbar/Alikadam Bandarbar/Alikadam	aUnion Mauza Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142	Para Aikadam/Abu Mia Para Aikadam/Abu Mia Para Aikadam/Abu Mia Para Aikadam/Abu Mia Para Aikadam/Abu Mia Para	RessonsDeath Cutting down trees and not reforesting Insufficient rainfail Tobacco cutivation by destroying forests Unplanned development work g PangCoacco cutivation by destroying forests	Number Of Cases 1 1 1 1 1 1 1
Load	District Upszila/Than Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam	Alikadam/20030431142 Alikadam/20030431142 Alikadam/20030431142 Alikadam/20030431142 Alikadam/20030431142 Alikadam/20030431142	Para Alikadam/Abu Mia Para Alikadam/Abu Mia Para Alikadam/Abu Mia Para Alikadam/Dakkhin Purbo Palor Alikadam/Dakkhin Purbo Palor Alikadam/Dakkhin Purbo Palor Alikadam/Dakkhin Purbo Palor	ReasonsDeath Cutting down trees and not reforesting Insufficient rainfall Tobacco cuttivation by destroying forests Upglanned development work gi ParaCommercial Tree or ParaTobacco cuttivation by destroying forests Excessive use of water for cuttivation	Number Of Cases 1 1 1 1 1 1 1 1
Load ndex	District Upazila/Than Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam	Alkiadam20030431142 Alkiadam20030431142 Alkiadam20030431142 Alkiadam20030431142 Alkiadam20030431142 Alkiadam20030431142 Alkiadam20030431142 Alkiadam20030431142	Para Alikadam/bu Mia Para Alikadam/bu Mia Para Alikadam/bu Mia Para Alikadam/bu Mia Para Alikadam/bakhin Puto Palor Alikadam/bakhin Puto Palor Alikadam/banu Sardar Para Alikadam/banu Sardar Para	RessonsDeath Outing down trees and not reforesting Insufficient rainfall Tobacco culturation by destroying forests Unplanned development work go Paral Cobacco culturation by destroying forests, Excessive use of water for culturation Tobacco culturation by destroying forests.	Number Of Cases 1 1 1 1 1 1 1 1 1
Load	District Upazila/Than Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam Bandarban/Alikadam	Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142 Alikadam20030431142	Pria Alikadam/Abu Mia Para Alikadam/Abu Mia Para Alikadam/Abu Mia Para Alikadam/Dakhin Purbo Palo Alikadam/Dakhin Purbo Palo Alikadam/Danu Sardar Para Alikadam/Danu Sardar Para	RessonsDeath Cutting down trees and not reforesting Insufficient rainfall Tobacco cuttivation by destroying forests Upgianaed development work g ParaTobacco cuttivation by destroying forests Excessive used valier for cuttivation Tobacco cuttivation by destroying forests Para Cutting down trees and not reforesting	Number Of Cases 1 1 1 1 1 1 1 1 1 1

Figure 1.8 Boundary wise data listing count of cases for each reason for the water source being dead

The bottom section should now display a list of reasons for the water source being dead. Selecting the reasons would allow the data extraction from the database to add rows for each reason and show a count of the number of cases for which the corresponding reason was the reason specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.8.

1.3.4 Ways to Revive the Water Source

	Stopping Planting Planting Not plant Stopping Stopping No cultiv Raising a Others	Deforestation Bamboo Bushe of special speci plants of native ing foreign/com unplanned affor stone extractio ation within 40 f wareness regar	s es of plants species imercial/han restation n seet of the v rding water	s (pani kumari, figs, r rmful species of plar vaterfall fall preservation	elephant apples, l nts	broom grass) to revive natural water sources	
Load							
dex	District	Upazila/Thana	Union	Mauza	Para	WaysToRevive	Number Ol Cases
dex	District Bandarban	Upazila/Thana Alikadam	Union Chokhyong	Mauza 20030463852 - Tain	Para Ba Aong Karbari Para	WaysToRevive Planting Bamboo Bushes	Number Of Cases 1
dex	District Bandarban Bandarban	Upazila/Thana Alikadam Alikadam	Union Chokhyong Chokhyong	Mauza 20030463852 - Tain 20030463852 - Tain	Para Ba Aong Karbari Para Ba Aong Karbari Para	WaysToRovive Planting Bamboo Bushes Planting of special species of plants (pari kumari, figs, elephant apples, broom grass) to revive natural water sources	Number Of Cases 1 1
dex	District Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam	Union Chokhyong Chokhyong Chokhyong	Mauza 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para	WaysToRevive Planting Bamboo Bushes Planting of special species of plants (pani kumari, figs, elephant apples, broom grass) to revie natural water sources Planting plants of native species	Number Of Cases 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Alikadam	Union Chokhyong Chokhyong Chokhyong Chokhyong	Mauza 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para	WaysToRevive Planting Bamboo Bushes Planting of special species of plants (pani kumari, figs, elephant apples, broom grass) to revie natural water sources Planting plants of native species Stopping stone extraction	Number Of Cases 1 1 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban Bandarban	Upozila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam	Union Chokhyong Chokhyong Chokhyong Chokhyong Chokhyong	Mauza 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para	WaysToRevive Planting Bamboo Bushes Planting of special species of plants (pani kumari, figs, elephant apples, broom grass) to revie natural water sources Planting plants of native species Stopping stone extraction Stopping unplanned afforestation	Number Of Cases 1 1 1 1 1 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Alikadam Bandarban Sadar	Union Chokhyong Chokhyong Chokhyong Chokhyong Chokhyong Kuhalong	Mauza 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega	WaysToRevive Planting Bamboo Bushes Planting of special species of plants (pan kumari, figs, elephant apples, broom grass) to revie natural water sources Planting plants of native species Stopping stone extraction Stopping unplanned afforestation No cultivation within 40 feet of the waterfall	Number Of Cases 1 1 1 1 1 1 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar	Union Chokhyong Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong	Mauza 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463855 - Tain 20031431559 - Kuhalong 20031431559 -	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega	WaysToRevive Planting Bamboo Bushes Planting of special species of plants (pani kumari, figs, elephant apples, broom grass) to revie natural water sources Planting plants of native species Stopping stone extraction Stopping unplanned afforestation No cultivation within 40 feet of the waterfail Planting Bamboo Bushes	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Sadar	Union Chokhyong Chokhyong Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong	Mauza 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 Kuhalong 20031431559 Kuhalong 20031431559	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Mangmega	WaysToRevive Planting Bamboo Bushes Planting of special species of plants (pani kumari, figs, elephant apples, broom grass) to revie natural water sources Planting plants of native species Stopping stone extraction Stopping unplanned afforestation No cultivation within 40 feet of the waterfail Planting of special species of plants (pani kumari, figs, elephant apples, broom grass) to revie natural water sources	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Union Chokhyong Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong Kuhalong	Mauza 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Mangmega	WaysToRevive Planting Bamboo Bushes Planting of special species of plants (pani kumari, figs, elephant apples, broom grass) to revie natural water sources Planting plants of native species Stopping stone extraction Stopping unplanned afforestation No cultivation within 40 feet of the waterfail Planting of special species of plants (pani kumari, figs, elephant apples, broom grass) to revie natural water sources Stopping Deforestation Stopping Deforestation	Number Of Cases 1

Figure 1.9 Boundary wise data listing count for each way to revive each water source

The bottom section should now display a list of ways to revive the water source. Selecting the ways would allow the data extraction from the database to add rows for each way and show a count of the number of cases for which the corresponding way was the way specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.9.

1.3.5 Amount of Water Flow in Dry Seasons

Selecting this data field keeps only two water sources (Waterfall and Chhara) in a radio button list that must have exactly one option selected before loading the data.

ŀ	Amoui	nt Of Wa	ter Fl	ow in Dry Sea	asons : 📷	gle Check All	
	No Ansi No Flov Small Modera Good	wer v					
Load	District	Upazila/Thana	Union	Maura	Para		
				mauza	Fala	AmountOfwater-lowDry season	Number Of Cases
1	Bandarban	Alikadam	Chokhyong	20030463852 - Tain	Ba Aong Karbari Para	Good	Number Of Cases
1 2	Bandarban Bandarban	Alikadam Alikadam	Chokhyong Chokhyong	20030463852 - Tain 20030463852 - Tain	Ba Aong Karbari Para Ba Aong Karbari Para	Good Moderate	Number Of Cases
1 2 3	Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam	Chokhyong Chokhyong Chokhyong	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para	AmountorwaterFlowDrySeason Good Moderate Small	Number Of Cases 1 1 1
1 2 3 4	Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega	AmountorwaterFlowDrySeason Good Moderate Small Moderate	Number Of Cases 1 1 1 1 1
1 2 3 4 5	Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega	AmountorwaterFlowDrySeason Good Moderate Small Moderate No Flow	Number Of Cases 1 1 1 1 1 1 1
1 2 3 4 5 6	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Mangmega	AmountorwaterFlowUrySeason Good Moderate Small Moderate No Flow Small	Number of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 2 3 4 5 6 7	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong Suwalak	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Faruk Upor	Amountervater FlowDryseason Good Moderate Small Moderate No Flow Small Moderate	Number of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 2 3 4 5 6 7 8	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Suwalak Suwalak	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 20031463808 - Suwalak 20031463808 - Suwalak	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Faruk Upor Faruk Upor	Amountorvater FlowDryseason Good Moderate Small Moderate No Flow Small Moderate No Flow	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 2 3 4 5 6 7 8 9	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Suwalak Suwalak Suwalak	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 20031463808 - Suwalak 20031463808 - Suwalak 20031463808 - Suwalak	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Faruk Upor Faruk Upor Faruk Upor	Amountorvater FlowDryseason Good Moderate Small Moderate Small Moderate No Flow Small	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 2 3 4 5 6 7 8 9 10	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Lama	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong Suwalak Suwalak Suwalak Lama	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 2003104559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 20031463808 - Suwalak 20031463808 - Suwalak 20031463808 - Suwalak 20031463808 - Suwalak	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Faruk Upor Faruk Upor Faruk Upor Raruk Upor Nunar Ziri	Amoninolwet/FlowDrySeason Good Moderate Small Moderate No Flow Small Moderate No Flow Small Good	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Figure 1.10 Boundary wise data listing count for the water source grouped by water flow amount in dry seasons.

The bottom section should now display a list of different categories of amounts of water flow including the option of "No Answer". Selecting the amounts would allow the data extraction from the database to add rows for each category of amount and show a count of the number of cases for which the corresponding amount was the amount specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.10.

1.3.6 Amount of Water Flow in Monsoon

Selecting this data field keeps only two water sources (Waterfall and Chhara) in a radio button list that must have exactly one option selected before loading the data.

	Amou	nt Of Wa	ter Fl	ow in M	lonso	ON : Toggle Che	ck All	
	No Ans No Flor Small Modera Good	wer W						
Load								
ndex	District	Upazila/Thana	Union	Mauza		Para	AmountOfWaterFlowMonsoon	Number Of Case
ndex	District Bandarban	Upazila/Thana Alikadam	Union Chokhyong	Mauza 20030463852 -	Tain	Para Ba Aong Karbari Para	AmountOfWaterFlowMonsoon Good	Number Of Case
ndex	District Bandarban Bandarban	Upazila/Thana Alikadam Alikadam	Union Chokhyong Chokhyong	Mauza 20030463852 - 20030463852 -	Tain Tain	Para Ba Aong Karbari Para Ba Aong Karbari Para	AmountOfWaterFlowMonsoon Good Moderate	Number Of Case: 1 1
dex	District Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam	Union Chokhyong Chokhyong Chokhyong	Mauza 20030463852 - 20030463852 - 20030463852 -	Tain Tain Tain	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para	AmountOfWaterFlowMonsoon Good Moderate Small	Number Of Cases 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Bandarban Sadar	Union Chokhyong Chokhyong Chokhyong Kuhalong	Mauza 20030463852 - 20030463852 - 20030463852 - 20031431559 -	Tain Tain Tain Kuhalong	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega	AmountOfWaterFlowMonsoon Good Moderate Small Moderate	Number Of Case 1 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar	Union Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong	Mauza 20030463852 - 20030463852 - 20030463852 - 20031431559 - 20031431559 -	Tain Tain Tain Kuhalong Kuhalong	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega	AmountOfWaterFlowMonsoon Good Moderate Small Moderate No Flow	Number Of Case 1 1 1 1 1 1
dex	District Bandarbar Bandarbar Bandarbar Bandarbar Bandarbar Bandarbar	Upazila/Thana Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar	Union Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong	Mauza 20030463852 - 20030463852 - 20030463852 - 20031431559 - 20031431559 - 20031431559 -	Tain Tain Tain Kuhalong Kuhalong Kuhalong	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Mangmega	AmountOfWaterFlowMonsoon Good Moderate Small Moderate No Flow Small	Number Of Case: 1 1 1 1 1 1 1
dex	District Bandarbar Bandarbar Bandarbar Bandarbar Bandarbar Bandarbar	Upazila/Thana Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Union Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Suwalak	Mauza 20030463852 - 20030463852 - 20030463852 - 20031431559 - 20031431559 - 20031431559 - 20031463808 -	Tain Tain Tain Kuhalong Kuhalong Kuhalong Suwalak	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Faruk Upor	AmountOfWaterFlowMonsoon Good Moderate Small Moderate No Flow Small Moderate	Number Of Case 1 1 1 1 1 1 1 1
dex	District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Union Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Suwalak Suwalak	Mauza 20030463852 - 20030463852 - 20031431559 - 20031431559 - 20031431559 - 200314363808 - 20031463808 -	Tain Tain Tain Kuhalong Kuhalong Kuhalong Suwalak Suwalak	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Mangmega Faruk Upor Faruk Upor	AmountOfWaterFlowMonsoon Good Moderate Small Moderate No Flow Small Moderate No Flow	Number Of Case 1 1 1 1 1 1 1 1 1
Idex	District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila/Thana Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Union Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong Suwalak Suwalak Suwalak	Mauza 20030463852 - 20030463852 - 20030463852 - 20031431559 - 20031431559 - 20031431559 - 20031463808 - 20031463808 -	Tain Tain Tain Kuhalong Kuhalong Kuhalong Suwalak Suwalak Suwalak	Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Faruk Upor Faruk Upor Faruk Upor Faruk Upor	AmountOrWaterFlowMonsoon Good Moderate Small Moderate Small Moderate No Flow Small	Number Of Case: 1 1 1 1 1 1 1 1 1 1 1 1

Figure 1.11 Boundary wise data listing count for the water source grouped by water flow amount in monsoon.

The bottom section should now display a list of different categories of amounts of water flow including the option of "No Answer". Selecting the amounts would allow the data extraction from the database to add rows for each category of amount and show a count of the number of cases for which the corresponding amount was the amount specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.11.

1.3.7 Quality of Water from the Water Source

Selecting this data field keeps all three water sources in a radio button list that must have exactly one option selected before loading the data.

	Eligibl	e ation ble		on the t	valer	Source .	Toggle Check	All
Loa	d District	Upazila/Thana	Union	Mauza		Para	WaterQuality	Number Of Case
1	Bandarban	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Purification	1
	Bandarban	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Unusable	1
	Bandarban	Bandarban Sadai	Kuhalong	20031431559 -	Kuhalong	Mangmega	Eligible	1
ļ.	Bandarban	Bandarban Sadai	Kuhalong	20031431559 -	Kuhalong	Mangmega	Purification	1
	Bandarban	Bandarban Sadai	Kuhalong	20031431559 -	Kuhalong	Mangmega	Unusable	1
	Bandarban	Bandarban Sadai	Suwalak	20031463808 -	Suwalak	Faruk Upor	Eligible	1
	Bandarban	Bandarban Sadai	Suwalak	20031463808 -	Suwalak	Faruk Upor	Purification	1
	Bandarban	Bandarban Sadai	Suwalak	20031463808 -	Suwalak	Faruk Upor	Unusable	1
	Randarban	Lama	Lama	20035163166 -	Sagalkhieva	Nunar Ziri	Eligible	1
9	Danualban	c. carrier	L.C.TTICA					

Figure 1.12 Boundary wise data listing count of water sources for each quality of water

The bottom section should now display a list of different categories of water quality. Selecting the qualities would allow the data extraction from the database to add rows for each category of quality and show a count of the number of cases for which the corresponding quality was the quality specified in the form during data submission. This data would be grouped by the

boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.12.

1.3.8 Usage of Water from the Water Source

Selecting this data field keeps all three water sources in a radio button list that must have exactly one option selected before loading the data.

	lean	o Of Wat	or fro	m the \	Nato		Toggle Check	
	Drinki House Irrigat All No Us Other	ng water shold uses ion s	.61 110		vale		Toggic CIICCA	4
Loa	d District	Upazila/Thana	Union	Mauza		Para	WaterUsage	Number Of Cases
	Bandarbar	Alikadam	Chokhyong	20030463852 -	- Tain	Ba Aong Karbari Para	All	1
	Bandarbar	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Household uses	1
	Bandarbar	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Irrigation	1
	Bandarbar	Alikadam	Chokhyong	20030463852 -	- Tain	Ba Aong Karbari Para	Others	1
	Bandarbar	Bandarban Sadar	Kuhalong	20031431559 -	 Kuhalong 	Mangmega	Drinking water	1
	Bandarbar	Bandarban Sadar	Kuhalong	20031431559 -	Kuhalong	Mangmega	Household uses	1
5							Irrigotion	4
	Bandarbar	Bandarban Sadar	Kuhalong	20031431559 -	Kuhalong	Mangmega	ingation	1
5 7 5	Bandarbar Bandarbar	Bandarban Sadar Bandarban Sadar	Kuhalong Suwalak	20031431559 - 20031463808 -	 Kuhalong Suwalak 	Mangmega Faruk Upor	Drinking water	1
5 7 3 9	Bandarbar Bandarbar Bandarbar	Bandarban Sadar Bandarban Sadar Bandarban Sadar	Kuhalong Suwalak Suwalak	20031431559 - 20031463808 - 20031463808 -	- Kuhalong - Suwalak - Suwalak	Faruk Upor Faruk Upor	Drinking water Household uses	1 1 1
6 6 6 0	Bandarbar Bandarbar Bandarbar Bandarbar	Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Kuhalong Suwalak Suwalak Suwalak	20031431559 - 20031463808 - 20031463808 - 20031463808 -	- Kuhalong - Suwalak - Suwalak - Suwalak	Mangmega Faruk Upor Faruk Upor Faruk Upor	Drinking water Household uses Irrigation	1 1 1 1

Figure 1.13 Boundary wise data listing count of water sources for each category of water usage

The bottom section should now display a list of different categories of water usage. Selecting the usages would allow the data extraction from the database to add rows for each category of usage and show a count of the number of cases for which the corresponding usage was the usage specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.13.

1.3.9 Reasons for a Water Source Being Unstable

Load Index Distri 1 Banda 2 Banda 3 Banda								
1 Banda 2 Banda 3 Banda	ict Unazila	/Thana	Union	Мацга		Para	Reasons Inusable	Number Of Cases
2 Banda 3 Banda	arban Alikadar	m	Chokhyong	20030463852	- Tain	Ba Aong Karbari Para	Reing under private reservation	1
3 Band	arbanAlikadar	m	Chokhyonc	20030463852	- Tain	Ba Aong Karbari Para	l ocated in an area reserved by the government	1
	arbanAlikadar	m	Chokhyonc	20030463852	- Tain	Ba Aong Karbari Para	Low quality of water (color, smell, etc.) due to pollution	1
4 Band:	arbanAlikadar	m	Chokhyond	20030463852 -	- Tain	Ba Aong Karbari Para	Others	1
5 Band	arbanBandart	ban Sadar	Kuhalong	20031431559 -	- Kuhalong	Mangmega	Being under private reservation	1
6 Band	arban Bandart	ban Sadar	Kuhalong	20031431559 -	- Kuhalong	Mangmega	Lack of means of communication	1
7 Band	arbanBandart	ban Sadar	Kuhalong	20031431559 -	- Kuhalong	Mangmega	Located in an area reserved by the government	1
8 Band	arban Bandart	ban Sadar	Suwalak	20031463808 -	- Suwalak	Faruk Upor	Being under private reservation	1
9 Band	arbanBandart	ban Sadar	Suwalak	20031463808 -	- Suwalak	Faruk Upor	Lack of means of communication	1
10 Banda	andandant		Suwalak	20031463808 -	- Suwalak	Faruk Upor	Located in an area reserved by the government	1

Figure 1.14 Boundary wise data listing count of water sources for each category of reasons for the water source being unusable

The bottom section should now display a list of different reasons for the water source having become unusable. Selecting the reasons would allow the data extraction from the database to add rows for each row of usage and show a count of the number of cases for which the corresponding reason was the reason specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.14.

1.3.10 Ways to make the Water Source Accessible/Usable

	 Ways to make the Water Source Accessible/Usable : Toggle Check All Arranging means of communication Acquiring approval from necessary authorities (government/private) Getting rid of the source of contamination Others 												
Load Index	District	l Inazila/Thana	linion	Maura	Dara								
		oparia mana	Union	wauza	rara	WaysToMakeUsable	Number Of Cases						
1	Bandarban	Alikadam	Chokhyong	20030463852 - Tain	Ba Aong Karbari Para	WaysToMakeUsable Acquiring approval from necessary authorities (government/private)	Number Of Cases 1						
1 2	Bandarban Bandarban	Alikadam Alikadam	Chokhyong Chokhyong	20030463852 - Tain 20030463852 - Tain	Para Ba Aong Karbari Para Ba Aong Karbari Para	WaysToMakeUsable Acquiring approval from necessary authorities (government/private) Getting rid of the source of contamination	Number Of Cases 1 1						
1 2 3	Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam	Chokhyong Chokhyong Chokhyong	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain	Pana Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para	WaysToMakeUsable Acquiring approval from necessary authorities (government/private) Getting rid of the source of contamination Others	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
1 2 3 4	Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega	WaysToMakeUsable Acquiring approval from necessary authonties (government/private) Cetting rid of the source of contamination Others Acquiring approval from necessary authonties (government/private)	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
1 2 3 4 5	Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega	WaysToMakeUsable Acquiring approval from necessary authorities (government/private) Getting rid of the source of contamination Others Acquiring approval from necessary authorities (government/private) Arranging means of communication	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
1 2 3 4 5 6	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Mangmega	WaysToMakeUsable Acquiring approval from necessary authorities (government/private) Getting rid of the source of contamination Others Acquiring approval from necessary authorities (government/private) Arranging means of communication Getting rid of the source of contamination	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
1 2 3 4 5 6 7	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong Suwalak	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 200314363808 - Suwalak	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Mangmega Faruk Upor	Way 5 how are used to be a constrained of the source of contamination (Acquining approval from necessary authorities (government/private) (Others Acquining approval from necessary authorities (government/private) Arranging means of communication Getting rid of the source of contamination (Acquining approval from necessary authorities (government/private)	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
1 2 3 4 5 6 7 8	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Kuhalong Suwalak Suwalak	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 20031463808 - Suwalak 20031463808 - Suwalak	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Faruk Upor Faruk Upor Faruk Upor	WaysToMakeUsable Acquiring approval from necessary authonties (government/private) Getting rid of the source of contamination Others Acquiring approval from necessary authonties (government/private) Arranging means of communication Getting rid of the source of contamination Acquiring approval from necessary authonties (government/private) Arranging means of communication	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
1 2 3 4 5 6 7 8 9	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Suwalak Suwalak Suwalak	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 20031463808 - Suwalak 20031463808 - Suwalak	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Mangmega Faruk Upor Faruk Upor Faruk Upor	WaysToMakeUsable Acquiring approval from necessary authorities (government/private) Getting rid of the source of contamination Others Acquiring approval from necessary authorities (government/private) Arranging means of communication Getting rid of the source of contamination Acquiring approval from necessary authorities (government/private) Arranging means of communication Getting rid of the source of contamination	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
1 2 3 4 5 6 7 8 9 9 10	Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Alikadam Alikadam Alikadam Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar Bandarban Sadar	Chokhyong Chokhyong Chokhyong Kuhalong Kuhalong Suwalak Suwalak Suwalak Suwalak	20030463852 - Tain 20030463852 - Tain 20030463852 - Tain 20031431559 - Kuhalong 20031431559 - Kuhalong 20031431559 - Kuhalong 20031453080 - Suwalak 20031463808 - Suwalak 20031463808 - Suwalak 20031463808 - Suwalak	Ba Aong Karbari Para Ba Aong Karbari Para Ba Aong Karbari Para Mangmega Mangmega Faruk Upor Faruk Upor Faruk Upor Faruk Upor Nunar Ziri	Way 5 how are used to be a source of contamination Acquiring approval from necessary authonties (government/private) Others Acquiring approval from necessary authonties (government/private) Arranging means of communication Getting rid of the source of contamination Acquiring approval from necessary authonties (government/private) Arranging means of communication Getting rid of the source of contamination Getting rid of the source of contamination Acquiring approval from necessary authonties (government/private) Acquiring approval from necessary authonties (government/private)	Number Of Cases 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						

Figure 1.15 Boundary wise data listing count for each way to make the water source accessible/usable

The bottom section should now display a list of ways to revive the water source. Selecting the ways would allow the data extraction from the database to add rows for each way and show a count of the number of cases for which the corresponding way was the way specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.15.

1.3.11 Possibility of Usage of the Water Source

Selecting this data field keeps all three water sources in a radio button list that must have exactly one option selected before loading the data.

Load	Possibility of U Yes No No Answer	Jsage	e of the Water	Source :	Toggle Check All	I	
Index	District Upazila/Thana	Union	Mauza	Para	PossibilityOfUse	Number Of Cases	
1	BandarbanAlikadam	Chokhyong	20030463852 - Tain	Ba Aong Karbari Para	No	1	
2	BandarbanAlikadam	Chokhyong	20030463852 - Tain	Ba Aong Karbari Para	No Answer	1	
3	Bandarban Bandarban Sadar	Kuhalong	20031431559 - Kuhalong	Mangmega	No	1	
4	Bandarban Bandarban Sadar	Kuhalong	20031431559 - Kuhalong	Mangmega	No Answer	1	
5	Bandarban Bandarban Sadar	Kuhalong	20031431559 - Kuhalong	Mangmega	Yes	1	
6	Bandarban Bandarban Sadar	Suwalak	20031463808 - Suwalak	Faruk Upor	No	1	
7	Bandarban Bandarban Sadar	Suwalak	20031463808 - Suwalak	Faruk Upor	No Answer	1	
8	Bandarban Bandarban Sadar	Suwalak	20031463808 - Suwalak	Faruk Upor	Yes	1	
9	BandarbanLama	Lama	20035163166 - Sagalkhieya	Nunar Ziri	No	1	
10	BandarbanLama	Lama	20035163166 - Sagalkhieya	Nunar Ziri	No Answer	1	
	1 2345678910						

Figure 1.16 Boundary wise data listing count of water sources for the categories of possibilities of water usage

The bottom section should now display a list of different categories of possibilities of water usage, including the option of "No Answer". Selecting the usages would allow the data extraction from the database to add rows for each category of possibilities and show a count of the number of cases for which the corresponding possibility was the possibility specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.16.

1.3.12 Landslides around the Water Source

Selecting this data field keeps only two water sources (Waterfall and Jhiri) in a radio button list that must have exactly one option selected before loading the data.

	Landslides around the Water Source : Toggle Check All Yes No No Answer										
Load											
Index	District	Upazila/Thana	Union	Mauza	Para	ExistenceOfLandslides	Number Of Cases				
1	Bandarban	Alikadam	Chokhyong	20030463852 - Tain	Ba Aong Karbari Para	No	1				
2	Bandarban	Alikadam	Chokhyong	20030463852 - Tain	Ba Aong Karbari Para	No Answer	1				
3	Bandarban	Bandarban Sadar	Kuhalong	20031431559 - Kuhalong	Mangmega	No	1				
4	Bandarban	Bandarban Sadar	Kuhalong	20031431559 - Kuhalong	Mangmega	No Answer	1				
5	Bandarban	Bandarban Sadar	Kuhalong	20031431559 - Kuhalong	Mangmega	Yes	1				
6	Bandarban	Bandarban Sadar	Suwalak	20031463808 - Suwalak	Faruk Upor	No	1				
7	Bandarban	Bandarban Sadar	Suwalak	20031463808 - Suwalak	Faruk Upor	No Answer	1				
8	Bandarban	Bandarban Sadar	Suwalak	20031463808 - Suwalak	Faruk Upor	Yes	1				
9	Bandarban	Lama	Lama	20035163166 - Sagalkhieya	Nunar Ziri	No	1				
10	Bandarban	Lama	Lama	20035163166 - Sagalkhieya	Nunar Ziri	No Answer	1				
	123456789	ə10									

Figure 1.17 Boundary wise data listing count of water sources around which landslides exist, don't exist or no information has been provided regarding the existence of any landslides

The bottom section should now display a list of different categories of existence of landslides around the water source, including the option of "No Answer". Selecting the options would allow the data extraction from the database to add rows for each option and show a count of the number of cases for which the corresponding option was the option specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.17.

1.3.13 Reasons for Landslides

	Reaso	ons for L	andsl	ides : 📑	oggle Che	eck All		
	Unplar	ned deforestatio	n					
	Not ref	oresting						
	Z Stone	ovtraction						
	a stone	extraction						
	Onplar	nned developmen	IT WORK					
	Z Excess	s rainfall						
	Thund	er strike						
	Z Earthq	uake						
	Unplar	ned Shifting Cul	tivation					
	Others							
	-							
Load	1							
Index	District	Upazila/Thana	Union	Mauza		Para	ReasonsForLandslides	Number Of Cases
1	Bandarbar	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Earthquake	1
2	Bandarbar	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Not reforesting	1
3	Bandarbar	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Stone extraction	1
4	Bandarbar	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Thunder strike	1
5	Bandarbar	Alikadam	Chokhyong	20030463852 -	Tain	Ba Aong Karbari Para	Unplanned development work	1
6	Bandarbar	Bandarban Sadar	Kuhalong	20031431559 -	Kuhalong	Mangmega	Not reforesting	1
7	Bandarbar	Bandarban Sadar	Kuhalong	20031431559 -	Kuhalong	Mangmega	Stone extraction	1
8	Bandarbar	Bandarban Sadar	Kuhalong	20031431559 -	Kuhalong	Mangmega	Unplanned deforestation	1
9	Bandarbar	Bandarban Sadar	Kuhalong	20031431559 -	Kuhalong	Mangmega	Unplanned Shifting Cultivation	1
10	Bandarbar	Bandarban Sadar	Suwalak	20031463808 -	Suwalak	Faruk Upor	Not reforesting	1

Figure 1.18 Boundary wise data listing count of cases for each reason for landslides around the water source

The bottom section should now display a list of reasons for the existence of landslides around the water source. Selecting the reasons would allow the data extraction from the database to add rows for each reason and show a count of the number of cases for which the corresponding reason was the reason specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.18.

1.3.14 Types of Sediment

Selecting this data field keeps only one water source (Chhara) in a radio button list that must remain selected before loading the data.

	Types of Sediment : Toggle Check All										
	Sand Soil Mixed No An:	swer									
Loa Index	District	Upazila/Thana	Union	Mauza	Para	TypesOfSedimen	tNumber Of Cases				
1	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Jalanto Mani Para	Mixed	1				
2	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Jalanto Mani Para	No Answer Mixed	1				
3	Bandarban	Alikadam	Chokhyong	20030451994 - Taima	Mubesh Barbari	Mixed	1				
5	Bandarban	Alikadam	Chokhyona	20030463852 - Tain	Mubesh Barbari	No Answer	1				
6	Bandarban	Alikadam	Nayapara	20030480852 - Tain (Par	Basudebpara	Mixed	1				
7	Bandarban	Alikadam	Nayapara	20030480852 - Tain (Par	Basudebpara	No Answer	1				
8	Bandarban	Alikadam	Nayapara	20030480852 - Tain (Par) Jogendro Karbari Para	Mixed	1				
9	Bandarban	Alikadam	Nayapara	20030480852 - Tain (Par	t)Natun Basir Para	Mixed	1				
10	Bandarban	Alikadam	Nayapara	20030480852 - Tain (Par	t)Rohani Mohan	Mixed	1				
	12345678	910									

Figure 1.19 Boundary wise data listing count of cases for each type of sediment deposited in the water source

The bottom section should now display a list of reasons for the type of sediment deposited in the water source. Selecting the reasons would allow the data extraction from the database to add rows for each reason and show a count of the number of cases for which the corresponding reason was the reason specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.19.

1.3.15 Situation of Sediment in the Water Source

Selecting this data field keeps only one water source (Chhara) in a radio button list that must remain selected before loading the data.

	Situat Extrem Excess Norma None No Ans	ion of S	edim	ent in the V	Vater Sou	TCC : Toggle Ch	eck All
Load	District	l Inazila (Thanal	Inion	Maura	Bara	Cituation Of Cadimont	Number Of Cases
1	Bandarban	Alikadam 4	Alikadam	20030431142 - Alikadan	Jalanto Mani Para	No Answer	1
2	Bandarban	Alikadam A	Alikadam	20030431142 - Alikadan	n Jalanto Mani Para	None	1
1	Bandarban	Alikadam A	Alikadam	20030431142 - Alikadan	n Jalanto Mani Para	Normal	1
_	Bandarban	Alikadam A	Alikadam	20030431994 - Tainfa	Kalarajari	No Answer	1
	Bandarban	Alikadam 🖌	Alikadam	20030431994 - Tainfa	Kalarajari	Normal	1
	Bandarban	Alikadam 0	Chokhyong	20030463852 - Tain	Mubesh Barbari	No Answer	1
	Bandarban	Alikadam 0	Chokhyong	20030463852 - Tain	Mubesh Barbari	None	1
	Bandarban	Alikadam 0	Chokhyong	20030463852 - Tain	Mubesh Barbari	Normal	1
1	Bandarban	Alikadam N	Vayapara	20030480852 - Tain (Pa	rt)Basudebpara	None	1
0	Bandarban	Alikadam N	Nayapara	20030480852 - Tain (Pa	rt)Basudebpara	Normal	1

Figure 1.20 Boundary wise data listing count of cases for each category of situation of sediment in the water source

The bottom section should now display a list of situations for the sediment deposited in the water source. Selecting the reasons would allow the data extraction from the database to add rows for each situation and show a count of the number of cases for which the corresponding situation was the situation specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.20.

1.3.16 Magnitude of Breakage on the edge of the Water Source

Selecting this data field keeps only one water source (Chhara) in a radio button list that must remain selected before loading the data.

Data Type: Data Field: <u>Ma</u> Water Source: ©Chhara (ছড়	agnitude of Breakage o ग)	n the edge o'	f the Water Source v	Bounda District Upazila Union Mauza Para	aries:
Load					
ndexDistrict	Upazila/Thana	Union	Mauza	Para	Data
l Bandarban	Lama	Fasyakhali	20035131442 - Fasyakhali	Sotosan Khola	1
2 Bandarban	Lama	Fasyakhali	20035131442 - Fasyakhali	Sotosan Khola	7
Bandarban	Lama	Fasyakhali	20035131442 - Fasyakhali	Sotosan Khola	8
Bandarban	Thanchi	Thanchi	20039557090 - Khowakhyong	Oyak Chakku Para	6
b Bandarban	Thanchi	Thanchi	20039557090 - Khowakhyong	Oyak Chakku Para	8
angamati	Kawkhali (Betbunia)	Kalampati	20842576696 - Kalampati	Hatimara	1
				1 A A A A A A A A A A A A A A A A A A A	-
Rangamati	Kawkhali (Betbunia)	Kalampati	20842576696 - Kalampati	Hatimara	2
Rangamati Rangamati	Kawkhali (Betbunia) Belai Chhari Upazi	Kalampati Farua	20842576696 - Kalampati 20842947980 - Rainkhong R.F.	Orachhari Uttar Para	2
Rangamati Rangamati Rangamati	Kawkhali (Betbunia) Belai Chhari Upazi Belai Chhari Upazi	Kalampati Farua Farua	20842576696 - Kalampati 20842947980 - Rainkhong R.F. 20842947980 - Rainkhong R.F.	Orachhari Uttar Para Orachhari Uttar Para	2 1 2
7 Rangamati 8 Rangamati 9 Rangamati 10 Rangamati	Kawkhali (Betbunia) Belai Chhari Upazi Belai Chhari Upazi Belai Chhari Upazi	Kalampati Farua Farua Farua	20842576696 - Kalampati 20842947980 - Rainkhong R.F. 20842947980 - Rainkhong R.F. 20842947980 - Rainkhong R.F.	Hatimara Orachhari Uttar Para Orachhari Uttar Para Orachhari Uttar Para	2 1 2 3

Figure 1.21 Boundary wise data listing magnitude of breakage on the edge of the water source

There are no other options to select at this point for this option on the dropdown. Just clicking on the "Load" button would be enough to generate a table of data listing the magnitude of breakage

on the edge of the water source grouped by boundaries. A sample of the data is shown above on Figure 1.21.

1.3.17 Existence of Breakage on the edge of the Water Source

Selecting this data field keeps only one water source (Chhara) in a radio button list that must remain selected before loading the data.

Exis Ves No	tence of	Break	kage on the e	edge of the	Water Sc	ource : To
Load						
ndex District	opazila/ mana	Alikodom	20020424142 Alikadam	Para Jalanta Mani Dara	BreakageExistence	Number of Cases
2 Bandart	anAlikadam	Alikadam	20030431142 - Alikadam	Jalanto Mani Para	No Answer	1
2 Bandart	anninaudill	Alikadam	20030431142 - Alikdudiii	Valarajari	No	1
anuan A Bandart	anAlikadam	Chokbyong	20030431994 - Talilla	Ndididjdil Mubach Parbari	No	1
H Daliuali	anninaudill	Chokhyong	20030403032 - Tall1	Mubech Barbari	No Answor	1
6 Bandart	anAlikadam	Navanara	20030480852 - Tain (Part)	Basudeboara	No	1
7 Bandart	anAlikadam	Navapara	20030480852 - Tain (Part)	Basudebhara	No Answer	1
8 Bandart	anAlikadam	Navapara	20030480852 Tain (Part)	logendro Karbari Dara	No	1
9 Bandart	anAlikadam	Navapara	20030480852 - Tain (Part)	Natun Basir Para	No	1
10 Bandart	anAlikadam	Navapara	20030480852 - Tain (Part)	Rohani Mohan	No	1
123456	78910	, ay apara	Loose loose Land (Full)			



The bottom section should now display the three options "Yes", "No" and "No Answer". Selecting the options would allow the data extraction from the database to add rows for each option and show a count of the number of cases for which the corresponding option was the option specified in the form during data submission. This data would be grouped by the boundaries that were selected by the user earlier. A sample of the data is shown above on Figure 1.22.

1.3.18 Additional Information Regarding the Jhiri

Selecting this data field keeps only one water source (Jhiri) in a radio button list that must remain selected before loading the data.

D D: W	ata Type: ata Field: Additi /ater Source: Uhiri (ঝিরি)	n v	Bounda District Upazila Union Mauza Para	ries		
10	ad					
Inde	xDistrict	Upazila/Thana	Union	Мацга	Para	Data
Inde	xDistrict Bandarban	Upazila/Thana Thanchi	Union Thanchi	Mauza 20039557090 - Khowakhyong	Para Ovak Chakku Para	Data 6
nde	xDistrict Bandarban Bandarban	Upazila/Thana Thanchi Thanchi	Union Thanchi Thanchi	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong	Para Oyak Chakku Para Oyak Chakku Para	Data 6 7
Inde 1 2 3	x District Bandarban Bandarban Bandarban	Upazila/Thana Thanchi Thanchi Thanchi	Union Thanchi Thanchi Thanchi	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20039557090 - Khowakhyong	Para Oyak Chakku Para Oyak Chakku Para Oyak Chakku Para	Data 6 7 8
Inde 1 2 3	x District Bandarban Bandarban Bandarban Rangamati	Upazila/Thana Thanchi Thanchi Thanchi Barkal Upazila	Union Thanchi Thanchi Thanchi Shublong	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20042179106 - Baghachhola	Para Oyak Chakku Para Oyak Chakku Para Oyak Chakku Para Poshim Kadamtalii	Data 6 7 8 8
nde 1 2 3 4	x District Bandarban Bandarban Bandarban Rangamati Rangamati	Upazila/Thana Thanchi Thanchi Thanchi Barkal Upazila Barkal Upazila	Union Thanchi Thanchi Thanchi Shublong Shublong	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20842179106 - Baghachhola 20842179106 - Baghachhola	Para Oyak Chakku Para Oyak Chakku Para Oyak Chakku Para Poshim Kadamtalii Poshim Kadamtalii	Data 6 7 8 8 8 1
nde	x District Bandarban Bandarban Bandarban Rangamati Rangamati Khagrachhari	Upazila/Thana Thanchi Thanchi Thanchi Barkal Upazila Barkal Upazila Lakshmichhari	Union Thanchi Thanchi Thanchi Shublong Shublong Lakshmichhari	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20842179106 - Baghachhola 20842179106 - Baghachhola 2046171868 - Mayurkhil	Para Oyak Chakku Para Oyak Chakku Para Oyak Chakku Para Poshim Kadamtalii Poshim Kadamtalii Uttor Laskmichori	Data 6 7 8 8 8 1 1
nde 1 2 3 4 5 7	x District Bandarban Bandarban Bandarban Rangamati Rangamati Khagrachhari	Upazila/Thana Thanchi Thanchi Barkal Upazila Barkal Upazila Lakshmichhari Lakshmichhari	Union Thanchi Thanchi Thanchi Shubiong Shubiong Lakshmichhari Lakshmichhari	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20042179106 - Baghachhola 20642179106 - Baghachhola 20466171868 - Mayurkhil 20466171868 - Mayurkhil	Para Oyak Chakku Para Oyak Chakku Para Oyak Chakku Para Poshim Kadamtalii Poshim Kadamtalii Uttor Laskmichori Uttor Laskmichori	Data 6 7 8 8 8 1 1 1 2
nde 1 2 3 4 5 5 7 3	xDistrict Bandarban Bandarban Rangamati Rangamati Khagrachhari Khagrachhari	Upazila/Thana Thanchi Thanchi Barkal Upazila Barkal Upazila Lakshmichhari Lakshmichhari	Union Thanchi Thanchi Thanchi Shublong Lakshmichhari Lakshmichhari	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong 2084257090 - Khowakhyong 20842179106 - Baghachhola 2046171868 - Mayurkhil 20466171868 - Mayurkhil 20466171868 - Mayurkhil	Para Oyak Chakku Para Oyak Chakku Para Oyak Chakku Para Poshim Kadamtalii Doshim Kadamtalii Uttor Laskmichori Uttor Laskmichori	Data 6 7 8 8 8 1 1 1 2 5
nde 1 2 3 3 4 4 5 5 5 5 7 7 3 9	xDistrict Bandarban Bandarban Rangamati Rangamati Khagrachhari Khagrachhari Khagrachhari	Upazila/Thana Thanchi Thanchi Barkal Upazila Barkal Upazila Lakshmichhari Lakshmichhari Lakshmichhari	Union Thanchi Thanchi Thanchi Shublong Shublong Lakshmichhari Lakshmichhari Lakshmichhari	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20842179106 - Baghachhola 20842179106 - Baghachhola 2046171866 - Mayurkhil 20466171868 - Mayurkhil 20466171868 - Mayurkhil 20466171868 - Mayurkhil	Para Oyak Chakku Para Oyak Chakku Para Oyak Chakku Para Poshim Kadamtalii Uttor Laskmichori Uttor Laskmichori Uttor Laskmichori Uttor Laskmichori	Data 6 7 8 8 8 1 1 1 2 5 8
Inde 1 2 3 4 5 6 7 8 9 10	x District Bandarban Bandarban Bandarban Rangamati Rangamati Khagrachhari Khagrachhari Khagrachhari Bandarban	Upazila/Thana Thanchi Thanchi Thanchi Barkai Upazila Barkai Upazila Lakshmichhari Lakshmichhari Lakshmichhari Alikadam	Union Thanchi Thanchi Thanchi Shublong Lakshmichhari Lakshmichhari Lakshmichhari Chokhyong	Mauza 20039557090 - Khowakhyong 20039557090 - Khowakhyong 20039557090 - Khowakhyong 206421719106 - Baghachhola 206421719106 - Baghachhola 204661711868 - Mayurkhil 204661711868 - Mayurkhil 204661711868 - Mayurkhil 204661711868 - Mayurkhil 204661711868 - Mayurkhil	Para Oyak Chakku Para Oyak Chakku Para Oyak Chakku Para Poshim Kadamtalii Poshim Kadamtalii Utor Laskmichori Uttor Laskmichori Uttor Laskmichori Mulha Para	Data 6 7 8 8 8 8 1 1 1 2 5 8 8 9

Figure 1.23 Boundary wise data listing count of additional information regarding the water source

There are no other options to select at this point for this option on the dropdown. Just clicking on the "Load" button would be enough to generate a table of data listing the count of additional information regarding the water source grouped by boundaries. A sample of the data is shown above on Figure 1.23.

1.4 S6: Area Dependent on Jhorna / Chhara / Jhiri

This page displays different kinds of data regarding the areas dependent on Jhorna, Chhara and Jhiris in each region.

The first input seen in the form is a dropdown list containing the kinds of data that the user may access using this page. The dropdown contains the following types of data:

- Profession of the People Living in the Dependent Area
- Current Usage of Land with Approximate Amount (in acres)
- Agricultural Usage with Approximate Amount of Land
- Source of Irrigation
- Types of Trees in the Area
- Name of Trees
- Total Number of Families Dependent on the Waterfall/Chhara/Jhiri

Each of these options can load different types of data from the database. The table adapts based on the selected option and modifies the columns on the table accordingly.

There are checkboxes on the right for selecting boundaries as well. These can be used to group the data produced by separate regions.

1.4.1 Profession of the People Living in the Dependent Area

This page displays the count of people of each profession stored in the database grouped by the selected boundaries. An example of the data produced is provided on Figure 1.24.

Data Type: Data Field: Profession of the People Living in the Dependent Area	Boundaries: District Upazila Union Mauza
Load	
Index District Upazila Union Mauza Professio	on Count
2 Bandarban Alikadam Alikadam 20030431142 - Alikadam Agricultur	ur 12
3 BandarbanAlikadamAlikadam20030431142 - AlikadamEishing ar	nd selling fish
4 BandarbanAlikadamAlikadam20030431142 - AlikadamGardening	2
5 Bandarban Alikadam Alikadam 20030431142 - Alikadam Gathering	and selling of wood/bamboo/broom grass/cane6
6 BandarbanAlikadamAlikadam20030431142 - AlikadamJob (gove	rnment/private) 4
7 Bandarban Alikadam Alikadam 20030431142 - Alikadam Medium s	cale business 3
8 Bandarban Alikadam Alikadam 20030431142 - Alikadam Shifting cu	ultivation 5
9 Bandarban Alikadam Alikadam 20030431142 - Alikadam Small sca	le business 6
10 Bandarban Alikadam Alikadam 20030431142 - Alikadam Teaching	1
1 2345678910	

Information Regarding the Area Dependent on Waterfall/Chhara/Jhiri

Figure 1.24 Boundary wise data listing count of people from each profession in each selected region

1.4.2 Current Usage of Land with Approximate Amount (in acres)

This page displays the approximate amount of current usage of land (in acres) separated in columns for each purpose stored in the database, and grouped by the boundaries selected by the user. An example of the data produced is provided on Figure 1.25.

Data Cun	a Type: Field: rent Usage	of Land with /	Approximate	Amount (in acres)	 Bound District Upazila Union Mauza 	daries:					
Load ndex	District	Upazila	Union	Mauza	Agriculture (excluding Joom cultivation)	Reserve Forest Or Natural forest	Residence	Garden	Jhoom	Wood or fruit	Others
1	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	143.00	36.00	90.00	157.00	45.00	32.00	57.00
2	Bandarban	Alikadam	Alikadam	20030431994 - Tainfa	90.00	25.00	18.00	11.00	1.00	2.00	76.00
3	Bandarban	Alikadam	Chokhyong	20030463426 - Chokhyong	233.00	151.00	293.20	240.00	99.00	102.00	0.00
4	Bandarban	Alikadam	Chokhyong	20030463568 - Mango	45.00	320.00	235.00	315.00	190.00	152.00	0.00
5	Bandarban	Alikadam	Chokhyong	20030463852 - Tain	217.40	59.00	30.50	61.00	50.00	42.00	0.00
6	Bandarban	Alikadam	Kurukpata	20030470284 - Chaimpra (Part)	480.00	239.00	122.00	726.00	473.00	80.00	0.00
7	Bandarban	Alikadam	Kurukpata	20030470700 - Matamuhuri Reserve Forest (Part)	0.00	0.00	0.00	400.00	0.00	0.00	0.00
3	Bandarban	Alikadam	Nayapara	20030480142 - Alikadam (Part)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
)	Bandarban	Alikadam	Nayapara	20030480852 - Tain (Part)	122.00	50.00	115.00	89.00	82.00	17.00	0.00
10	Bandarban	Bandarban Sadar	Bandarban	20031415062 - Balaghata (Part)	107.00	25.00	163.00	186.00	121.00	144.00	7.00
	12345678	910									

Information Regarding the Area Dependent on Waterfall/Chhara/Jhiri

Figure 1.25 Boundary wise data listing approximate current usage of land for seven purposes grouped by the boundaries

1.4.3 Agricultural Usage with Approximate Amount of Land

This page displays the approximate amount of land being used for agriculture, with each column separating the uses in terms of items being farmed, while each row is used to group the data by the boundaries selected by the user. An example of the data produced is provided on Figure 1.26.

Inform	information Regarding the Area Dependent on Waterfall/Chhara/Jhiri																
Data Data F	Type: Field: Agric	cultural Usage v	with Approxi	nate Amount of	Land 🗸)	Bo ø ø	District Upazila Union Mauza	arie	es:							
Load																	
Index	District	Upazila	Union	Mauza		Jhoom	Tobacco	Fruit	Rice	Corn	Cotton	Sugarcane	Vegetable	Ginge	Turmerio	Cilantro	Others
1	Bandarban	Alikadam	Alikadam	20030431142 -	Alikadam	124.00	32.00	37.00	61.00	6.00	1.00	1.00	43.00	2.00	4.00	0.00	17.00
2	Bandarban	Alikadam	Alikadam	20030431994 -	Tainfa	29.00	13.00	0.00	37.00	0.00	2.00	0.00	3.00	1.00	0.00	0.00	7.00
3	Bandarban	Alikadam	Chokhyong	20030463426 -	Chokhyong	136.00	155.00	89.00	308.00	2.00	0.00	4.00	145.00	21.00	94.00	2.00	11.00
4	Bandarban	Alikadam	Chokhyong	20030463568 -	Mango	506.00	10.00	210.00	15.00	20.00	185.00	0.00	291.00	0.00	270.00	0.00	0.00
5	Bandarban	Alikadam	Chokhyong	20030463852 -	Tain	57.00	77.00	37.00	43.00	2.00	1.00	0.00	44.40	11.00	7.00	0.00	0.00
6	Bandarban	Alikadam	Kurukpata	20030470284 -	Chaimpra (Part)	2047.00	2.00	1312.00	682.00	437.00	836.00	3.50	501.00	797.00	932.00	60.00	215.00
7	Bandarban	Alikadam	Kurukpata	20030470700 - Forest (Part)	Matamuhuri Reserve	200.00	0.00	100.00	100.00	200.00	0.00	0.00	0.00	0.00	200.00	0.00	0.00
8	Bandarban	Alikadam	Nayapara	20030480142 -	Alikadam (Part)	380.00	0.00	180.00	0.00	0.00	130.00	0.00	315.00	10.00	270.00	0.00	0.00
9	Bandarban	Alikadam	Nayapara	20030480852 -	Tain (Part)	123.00	65.00	34.00	136.00	4.00	0.00	0.00	28.00	25.00	13.00	0.00	0.00
10	Bandarban	Bandarban Sadar	Bandarban	20031415062 -	Balaghata (Part)	132.00	2.00	169.00	453.00	21.50	9.00	3.00	52.00	18.50	81.00	2.00	35.74
	12345678	910															

Figure 1.26 Boundary wise data listing amount of agricultural usage of land for items farmed

1.4.4 Source of Irrigation

This page displays the number of irrigation sources in each region separated by the boundaries selected by the user. An example of the data produced is provided on Figure 1.27.

Information Regarding the Area Dependent on Waterfall/Chhara/Jhiri

D	ata Type: ata Field: ^{iource of Irriga}	ition			 District Upazila Union Mauza 	
Lo	ad					
Inde	x District	Upazila	Union	Mauza	Irrigation Source	Count
Inde 1	x District Bandarban	Upazila Alikadam	Union Alikadam	Mauza 20030431142 - Alikadam	Irrigation Source Canal	Count 4
Inde 1 2	x District Bandarban Bandarban	Upazila Alikadam Alikadam	Union Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam	Irrigation Source Canal Chhara	Count 4 1
Inde 1 2 3	x District Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Irrigation Source Canal Chhara Jhiri	Count 4 1 7
Inde 1 2 3 4	x District Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Irrigation Source Canal Chhara Jhiri Pond	Count 4 1 7 3
Inde 1 2 3 4 5	x District Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Irrigation Source Canal Chhara Jhiri Pond River	Count 4 1 7 3 1
Inde 1 2 3 4 5 6	x District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Irrigation Source Canal Chhara Jhiri Pond River Seasonal rain water	Count 4 1 7 3 1 1
Inde 1 2 3 4 5 6 7	xDistrict Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Irrigation Source Canal Chhara Jhiri Pond River Seasonal rain water Water from chhara/jhiri stored in dams	Count 4 1 7 3 1 1 3
Inde 1 2 3 4 5 6 7 8	x District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Irrigation Source Canal Chhara Jhiri Pond River Seasonal rain water Water from chhara/jhiri stored in dams Well	Count 4 1 7 3 1 1 1 3 1
Inde 1 2 3 4 5 6 7 8 9	x District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Irrigation Source Canal Chhara Jhiri Pond River Seasonal rain water Water from chhara/jhiri stored in dams Well Chhara	Count 4 7 3 1 1 3 1 1 1
Inde 1 2 3 4 5 6 7 8 9 10	xDistrict Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431994 - Tainfa	Irrigation Source Canal Chhara Jhiri Pond River Seasonal rain water Water from chhara/jhiri stored in dams Well Chhara Jhiri	Count 4 1 7 3 1 1 3 3 1 1 1 3 3 3

Figure 1.27 Boundary wise list of the number of irrigation sources in each region

1.4.5 Types of Trees in the Area

The page displays the number of each type of trees (from the types stored in the database), grouped by the boundaries selected by the user. An example of the data produced is provided on Figure 1.28.

D	ata Type:					Dound	orioo
Da	ata Field: Typ	es of Trees	in the Area		~	Bound	anes
						District	
						District	
					l l	2 Upazila	
						Union	
Loa	ad						
Loa Inde	ad xDistrict	Upazila	Union	Mauza	Tree Type		Count
Loa Inde 1	ad x District Bandarban	Upazila Alikadam	Union Alikadam	Mauza 20030431142 - Alikadam	Tree Type Alpine plants	_	Count 9
Loa Inde: 1 2	x District Bandarban Bandarban	Upazila Alikadam Alikadam	Union Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam	Tree Type Alpine plants Bamboo bushe	6	Count 9 9
Loa Inde: 1 2 3	x District Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Tree Type Alpine plants Bamboo bushe Commercial gal	s rden bed	Count 9 9 5
Loa Index 1 2 3 4	Ad Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam	Tree Type Alpine plants Bamboo bushe Commercial gai Fruit tree	s rden bed	Count 9 9 5 5
Loa Inde: 1 2 3 4 5	x District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam	Matiza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431194 - Tainfa	Tree Type Alpine plants Bamboo bushe Commercial ga Fruit tree Alpine plants	s rden bed	Count 9 9 5 5 5 4
Loa Inde: 1 2 3 4 5 6	ad District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam	Matrza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 2003043194 - Tainfa 20030431994 - Tainfa	Tree Type Alpine plants Bamboo bushe Commercial ga Fruit tree Alpine plants Bamboo bushe	s rden bed	Count 9 9 5 5 5 4 4
Loa 1 2 3 4 5 6 7	ad Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 2003043194 - Tainfa 20030431994 - Tainfa	Tree Type Alpine plants Bamboo bushe Commercial ga Fruit tree Alpine plants Bamboo bushe Commercial ga	s rden bed s rden bed	Count 9 9 5 5 5 4 4 4 2
Loa 1 2 3 4 5 6 7 8	A CDistrict Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Ailkadam Ailkadam Ailkadam Ailkadam Alikadam Ailkadam Ailkadam	Mauza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431994 - Tainfa 20030431994 - Tainfa 20030431994 - Tainfa	Tree Type Alpine plants Bamboo bushe Commercial ga Fruit tree Alpine plants Bamboo bushe Commercial ga Fruit tree	s rden bed s rden bed	Count 9 9 5 5 4 4 4 2 3
Loa 1 2 3 4 5 6 7 8 9	A CDistrict Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Chokhyong	Matiza 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 20030431142 - Alikadam 2003043194 - Tainfa 20030431994 - Tainfa 20030431994 - Tainfa 20030431994 - Tainfa	Tree Type Alpine plants Bamboo bushe Commercial gal Fruit tree Bamboo bushe Commercial ga Fruit tree Alpine plants	s rden bed s rden bed	Count 9 5 5 4 4 2 2 3 16

Information Regarding the Area Dependent on Waterfall/Chhara/Jhiri

Figure 1.28 Boundary wise list of count of each type of trees

1.4.6 Name of Trees

This page displays the number of each tree (from the tree names stored in the database), grouped by the boundaries selected by the user. An example of the data produced is provided on Figure 1.29.

Information Regarding the Area Dependent on Waterfall/Chhara/Jhiri

D	oata Type: ata Field: Nan	ne of Trees	>	Bo	District Upazila Union Mauza	aries		
Lo	ad							
Inde	xDistrict	Upazila	Union		Iree Nam	es		Count
1	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Elephant A	\ppl	е	2
2	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Lychee			5
3	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Pani Kuma	ari		1
4	Bandarban	Alikadam	Alikadam	20030431994 - Tainta	Fig			1
5	Bandarban	Alikadam	Alikadam	20030431994 - Tainfa	Indian Goo	sel	perry	1
6	Bandarban	Alikadam	Chokhyong	20030463426 - Chokhyong	Bael			6
7	Bandarban	Alikadam	Chokhyong	20030463568 - Mango	Cashmere			1
8	Bandarban	Alikadam	Chokhyong	20030463568 - Mango	Coconut			4
9	Bandarban	Alikadam	Chokhyong	20030463568 - Mango	Jackfruit			5
10	Bandarban	Alikadam	Chokhyong	20030463568 - Mango	Olive			3
	1 234567891	0						

Figure 1.29 Boundary wise data list of number of trees in each region grouped by tree names

1.4.7 Total Number of Families Dependent on the Waterfall/Chhara/Jhiri

This page displays the number of families and the number of members from the families that are dependent on the water source in each boundary. An example of the data produced is provided on Figure 1.30.

Data Data	a Type: Field: Tota	Number of Fam	illies Depend	dent on the Waterfall/Chhara/Jhiri 🗸	8 9 9 9	OUND District Upazila Union Mauza	arie	s:						
Load	I													
Index	District	Upazila	Union	Mauza	Family 1	Member 1	Family 2	Member 2	Family 3	Member 3	Family 4	Member 4	Family 5	Member 5
1	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	637	2904	78	389	46	244	18	0	0	0
2	Bandarban	Alikadam	Alikadam	20030431994 - Tainfa	178	1020	5	21	22	133	0	0	0	0
3	Bandarban	Alikadam	Chokhyong	20030463426 - Chokhyong	956	4657	0	0	0	0	0	0	0	0
4	Bandarban	Alikadam	Chokhyong	20030463568 - Mango	185	1091	33	189	9	87	0	0	0	0
5	Bandarban	Alikadam	Chokhyong	20030463852 - Tain	346	1769	117	529	0	0	0	0	0	0
6	Bandarban	Alikadam	Kurukpata	20030470284 - Chaimpra (Part)	511	2542	288	873	146	644	148	454	0	48
7	Bandarban	Alikadam	Kurukpata	20030470700 - Matamuhuri Reserve Forest (Part)	35	98	0	0	0	0	0	0	0	0
8	Bandarban	Alikadam	Nayapara	20030480142 - Alikadam (Part)	199	753	0	0	0	0	0	0	0	0
9	Bandarban	Alikadam	Nayapara	20030480852 - Tain (Part)	683	3264	223	1549	21	224	30	162	22	136
10	Bandarban	Bandarban Sadar	Bandarban	20031415062 - Balaghata (Part)	570	2221	0	0	0	0	0	0	0	0
	12345678	 910												

Information Regarding the Area Dependent on Waterfall/Chhara/Jhiri

Figure 1.30 Boundary wise list of number of families dependent on the water source

1.5 S7: Project Information

This page displays project related information.

The first input seen in the form is a dropdown list containing the kinds of data that the user may access using this page. The dropdown contains the following types of data:

- Has there been any project undertaken to develop the Waterfall/Chhara/Jhiri?
- Type of project if undertaken to develop the Waterfall/Chhara/Jhiri
- Is there any future plan to improve the Waterfall/Chhara/Jhiri?
- Type of project if there is any future plan to improve the Waterfall/Chhara/Jhiri
- Project Information

Each of these options can load different types of data from the database. The table adapts based on the selected option and modifies the columns on the table accordingly.

There are checkboxes below the dropdown for selecting boundaries as well. These can be used to group the data produced by separate regions.

Other checkboxes appear on the right based on the option selected from the dropdown menu. These variations are specified in the sections 1.5.1 to 1.5.5.

1.5.1 Has there been any project undertaken to develop the Waterfall/Chhara/Jhiri?

This section displays the number of water sources for which projects have been undertaken to develop, have not been undertaken to develop, and for which no information regarding undertaken projects were submitted during data submission. A sample for the data produced on this section is provided below on Figure 1.31.

Det									
Ha	a Field: is there beer	n any project u	ndertaken	to develop water	fall/chha	ra/jhiri? 🗸	Ha wa	s there been any terfall/chhara/jhir	project undertaken to develop i? :
Bou	undaries:							oggie Check All	
~	District						~	Yes	
~	Upazila						~	No	
~	Union						~	No Answer	
	Mauza								
	Para								
	- ara								
ndex	District I	Inazila/Thana	Union	Mauza	F	Para	ProjectUnd	ertaken Number Of C	:ases
ndex	District U Bandarban	Jpazila/Thana Alikadam	Union Alikadam	Mauza 20030431142 - Al	likadam E	Para Battali Para	ProjectUnd No	ertaken Number Of C	ases
ndex	District U Bandarban/ Bandarban/	Jpazila/Thana Alikadam Alikadam	Union Alikadam Alikadam	<mark>Mauza</mark> 20030431142 - Al 20030431142 - Al	likadam E likadam E	Para Battali Para Buluka Para	ProjectUnd No No	ertaken Number Of C 1 1	ases
ndex	District Bandarban/ Bandarban/ Bandarban/	Jpazila/Thana Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam	Mauza 20030431142 - Al 20030431142 - Al 20030431142 - Al	likadam E likadam E likadam E	Para Battali Para Buluka Para Danu Sarder Para	ProjectUnd No No No	ertaken Number Of C 1 1 1	iases
ndex	District (Bandarban) Bandarban) Bandarban) Bandarban)	Jpazila/Thana Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al	F likadam likadam likadam likadam	Para Battali Para Buluka Para Danu Sarder Para Moqbul Hosen Para	ProjectUndo No No No No	ertaken Number Of C 1 1 1 1 1	6109
ndex	District (Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/	Jpazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al	F likadam E likadam E likadam I likadam I	Para Battali Para Buluka Para Danu Sarder Para Moqbul Hosen Para Moştaq Ahmed Para	ProjectUndo No No No No No	ertaken Number Of C 1 1 1 1 1 1 1	3565
ndex 1 2 3 1 5 5	District (Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/	Jpazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al	likadam E likadam E likadam C likadam I likadam I likadam F	Para Battali Para Buluka Para Danu Sarder Para Moqbul Hosen Para Mostaq Ahmed Para Pan Bazar Para	ProjectUndo No No No No No No	ertaken Number Of C 1 1 1 1 1 1 1	7505
ndex 1 2 3 1 5 5 7	District I Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/	Jpazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al	likadam E likadam E likadam C likadam N likadam F likadam F	Para Jattali Para Juluka Para Joanu Sarder Para Joogbul Hosen Para Jostaq Ahmed Para Pan Bazar Para Pravat Para	ProjectUndo No No No No No No No	ertaken Number Of C 1 1 1 1 1 1 1 1 1 1	
ndex	District D Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/	Jpazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al 20030431142 - Al	F likadam E likadam I likadam I likadam F likadam F likadam S	Para Battali Para Juluka Para Juluka Para Juluka Para Juluka Para Mostag Ahmed Para Mostag Ahmed Para Pan Bazar Para Pana Para Shanti Moni Para	ProjectUndo No No No No No No No No	ertakenNumber Of C 1 1 1 1 1 1 1 1 1	
ndex	District D Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/ Bandarban/	Jpazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Al 20030431142 - Al	F likadam E likadam C likadam C likadam S likadam F likadam S likadam S	Para Battali Para Buluka Para Janu Sarder Para Mogbul Hosen Para Mostaq Ahmed Para Pan Bazar Para Pravat Para Shanti Moni Para Teo Ghona Para	ProjectUnd No No No No No No No No	ertakenNumber Of C 1 1 1 1 1 1 1 1 1 1 1 1	
ndex	District U Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Jpazila/Thana Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Mauza 20030431142 - Al 20030431142 - Al	F likadam E likadam I likadam I likadam I likadam F likadam S likadam I likadam I	Para Battali Para Suluka Para Danu Sarder Para Mostaq Ahmed Para Yan Bazar Para Pravat Para Shanti Moni Para Jitor Palong	ProjectUnd No No No No No No No No No	ertaken Number Of C 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Figure 1.31 Data displaying count of water sources with unknown project information, undertaken projects, and no undertaken projects for its development

1.5.2 Type of project if undertaken to develop the Waterfall/Chhara/Jhiri

This section displays the number of cases of each type of project for each water source that have been undertaken to develop the water source. A sample for the data produced on this section is provided below on Figure 1.32.

Proj	ect Infor	mation								
Data Typ	e of project if	undertaken to	develop wa	iterfall/chhara/jh	iri	~	Тур То	e of project if undertaken to develop w ggle Check All	/aterfall/chhara/	'jhiri :
Bou	ndaries:						~	Keeping water flow normal		
	District									
	Upazila							Developing inigation process		
	Union						×	Preventing collapse of chnara		
							~	Arranging drinking water supply		
<u> </u>	mauza						✓	Storing water for household usage		
	Para						✓	Implementing natural/local area forestation p	orogram	
							✓	Saving waterfall/chhara/jhiri from collapse		
							~	Removing silt from Chhara		
							~	Removing soil/silt from Chhara/Jhiri originat	ing from landslide	
								Others		
								otiers		
Load						_				
Index	District L	Jpazila/Thana	Union	Mauza	Obeldeese	Para	тур	eOfProjectUndertaken	Number Of Cases	
1	Bandarban	Alikadam	Chokhyong	20030463426 -	Chokhyong	Muinia Para	Imp	iementing natural/local area forestation program	1	
2	Bandarban	Alikadam	Chokhyong	20030463426 -	Chokhyong	Shahar Ali Para	Dev	eloning irrigation process	2	
4	Bandarban	Alikadam	Chokhyong	20030463426 -	Chokhyong	Shahar Ali Para	Kee	ping water flow normal	2	
5	Bandarban	Alikadam	Chokhvona	20030463426 -	Chokhvona	Sonaichari Marma Para	Kee	ping water flow normal	1	
6	Bandarban	Alikadam	Chokhyong	20030463852 -	Tain	Shibatala Marma	Arra	anging drinking water supply	1	
7	Bandarban	Alikadam	Chokhyong	20030463852 -	Tain	Shibatala Marma	Ren	noving silt from Chhara	1	
8	Bandarban	Alikadam	Chokhyong	20030463852 -	Tain	Shibatala Marma	Stor	ing water for household usage	1	
9	BandarbanA	Alikadam	Nayapara	20030480852 -	Tain (Part)	Jogendro Karbari Para	Arra	inging drinking water supply	1	
10	BandarbanA	Alikadam	Nayapara	20030480852 -	Tain (Part)	Jogendro Karbari Para	Kee	ping water flow normal	1	
	1 22456700	10								

Figure 1.32 Data displaying count of each type of project undertaken to develop the water sources

1.5.3 Is there any future plan to improve the Waterfall/Chhara/Jhiri?

This section displays the number of cases of water sources for which a future plan for improvement exists, doesn't exist or the existence is unknown or unconfirmed. The data is grouped by boundaries. A sample of the data produced on this page is provided below on Figure 1.33.

Pro	ject Inf	ormation								
Da Is	ta Field: there any fu	uture plan to imp	prove wat	erfall/chhara/jhiri	1?	~		ls t To	here any future oggle Check All	plan to improve waterfall/chhara/jhiri? :
Bo	undaries:								Yes	
	District								No	
	Upazila								No Answer	
	Union								No Anoter	
	Mauza									
	Para									
-	T and									
Loa	District	Upazila/Thana	Union	Mauza		Para	Future	ePlan	Number Of Cases	
1	Bandarban	Alikadam	Alikadan	20030431142 -	Alikadam	Battali Para	No		1	
2	Bandarban	Alikadam	Alikadam	20030431142 -	Alikadam	Buluka Para	No		1	
3	Bandarban	Alikadam	Alikadan	20030431142 -	Alikadam	Danu Sarder Para	No		1	
4	Bandarban	Alikadam	Alikadan	20030431142 -	Alikadam	Moqbul Hosen Para	No		1	
5	Bandarban	Alikadam	Alikadan	20030431142 -	Alikadam	Mostaq Ahmed Para	No		1	
6	Bandarban	Alikadam	Alikadam	20030431142 -	Alikadam	Pan Bazar Para	No		1	
7	Bandarban	Alikadam	Alikadan	20030431142 -	Alikadam	Pravat Para	No		1	
8	Bandarban	Alikadam	Alikadan	20030431142 -	Alikadam	Shanti Moni Para	No		1	
9	Bandarban	Alikadam	Alikadam	20030431142 -	Alikadam	Teo Ghona Para	No		1	
10	Bandarban	Alikadam	Alikadan	20030431142 -	Alikadam	Uttor Palong	No	_	1	
	12345678	910								

Figure 1.33 Data displaying count of water sources with, without or unknown future plans of improvement

1.5.4 Type of project if there is any future plan to improve the Waterfall/Chhara/Jhiri

This section displays the number of cases of each type of future plans of improvement for each water source. A sample for the data produced on this section is provided below on Figure 1.34.

Proje	ect Information									
Data Type Bour	Field: e of project if there is any fundaries:	iture plan to	improve water	'all/chhara/jh	iri? ▼	Type of project if there is any future plan to improve waterfall/chhara/jhiri? : Toggle Check All				
	District					~	Keeping water flow normal			
	Unazila					~	Developing irrigation process			
	Upazita						Browenting collapse of obhara			
	Union						A second provide a seco			
	Mauza					<u> </u>	Arranging drinking water supply			
	Para					~	Storing water for household usage			
						~	Implementing natural/local area forestation p	orogram		
						✓	Saving waterfall/chhara/jhiri from collapse			
					1	~	Removing silt from Chhara			
						~	Removing soil/silt from Chhara/Jhiri originat	ing from landslide		
						~	Others			
Load Index	District Upazila/Thana	Union	Mauza		Para	Тур	eOfProjectWithFuturePlan	Number Of Cases		
1	BandarbanAlikadam	Chokhyong	20030463426 -	Chokhyong	Muihla Para	Imp	lementing natural/local area forestation program	1		
2	BandarbanAlikadam	Chokhyong	20030463426 -	Chokhyong	Muihla Para	Kee	ping water flow normal	1		
3	BandarbanAlikadam	Chokhyong	20030463426 -	Chokhyong	Shahar Ali Para	Dev	eloping irrigation process	2		
4	BandarbanAlikadam	Chokhyong	20030463426 -	Chokhyong	Shahar Ali Para	Kee	ping water flow normal	2		
5	BandarbanAlikadam	Chokhyong	20030463426 -	Chokhyong	Sonaichari Marma Para	aKee	ping water flow normal	1		
6	BandarbanAlikadam	Chokhyong	20030463852 -	Tain	Shibatala Marma	Arra	inging drinking water supply	1		
7	BandarbanAlikadam	Chokhyong	20030463852 -	Tain	Shibatala Marma	Rer	noving silt from Chhara	1		
8	BandarbanAlikadam	Chokhyong	20030463852 -	Tain	Shibatala Marma	Sto	ing water for household usage	1		
9	BandarbanAlikadam	Nayapara	20030480852 -	Tain (Part)	Jogendro Karbari Para	Arra	inging drinking water supply	1		
10	BandarbanAlikadam	Nayapara	20030480852 -	Tain (Part)	Jogendro Karbari Para	Kee	ping water flow normal	1		
	12345678910									

Figure 1.34 Data displaying count of each type of future plans of improvement for the water sources

1.5.5 Project Information

This section displays project information for water sources such as the goal of the project, project description, name of para, number of family members and other additional information. A sample of the data produced on this page is provided below on Figure 1.35.

Data Fields Project Information Image: Second Se	Proje	ect Infor	mation								
Boundaries District 2 District Uppazia 2 Union Simular 3 Mauza Para Coal of the project Project Para Additional Info 1 Bandarban-Alikadam Alikadam Alikadam Alikadam Anital Para Para Para Additional Info 1 Bandarban-Alikadam Alikadam Alikadam Alikadam Alikadam Para NiA NiA NiA Au Maji Para Alikadam Alikadam Alikadam Alikadam Alikadam Para Anitikadam NiA NiA NiA Au Maji Para Anitikadam Alikadam Alikadam Para Anitikadam Alikadam Para Anitikadam Para Anitikadam Para Anitikadam Alikadam Para Anitikadam Alikadam Para Anitikadam Para Anitikadam Para Anitikadam Para	Data Proj	Field: ect Information	on				~				
District Upszile Upszile Upszile Union Mauza Para Control (Control (Contro) (Control (Control (Control (Control (Con	Boun	idaries:									
Guszila Upzala Guszila Upzala Guszila Upzala Guszila Uszala Guszila Para Load Load Load Load Singer Sama Additional Info Description Para Name Family Rumber Additional Info Number Index District Upzala/Thane Union Mauza Para South Majl Para N/A N/A Au Mail Additional Info Description Additional Info Additional Info 1 Bandarban Alikadam Alikadam Alikadam Abu Majl Alikadam N/A N/A N/A Abu Majl Para Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Antali Deep ring velis are needed AMTALL 33 Os ring velis are needed. 3 Bandarban/Alikadam Alikadam Alikadam N/A N/A Not avaiable Batal Para Os ring velis are needed. 4 Bandarban/Alikadam Alikadam Alikadam Alikadam N/A N/A Not avaiable Batala Para <t< th=""><th>~</th><th>District</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	~	District									
Control vision Control	~	Upazila									
Mauza Para Para Color Index District Upazila/Than-Union Mauza Para Color the project Project Para Name Fimily Number Additional Info 1 Bandarban/Alikadam Alikadam Alikadam Para Sociol of the project Project Para Name Fimily Number Additional Info 2 Bandarban/Alikadam Alikadam Alikadam Para N/A N/A Abu Maj N/A Abu Maj Additional Info 2 Bandarban/Alikadam Alikadam Zoood0431142 - Alikadam Abu Maj N/A N/A Abu Maj Sociol of the project Para Name Fimily NAtion needs to construct a di acros sthe phin. Sociol of the project Para Name Fimily Alika dam across the phin. Sociol of the project on construct a di am across the phin. Sociol of the para Name Additional Info Additional Nation needs to construct a di across the phin. Sociol of the para Name Additional Nation needs to construct a di macross the phin. Sociol of the para NA Additional Nation needs to construct a di macross the phin. Socio neg urelis and a likadam Sociol of the para N		Union									
Description Para Index District Upszila/Than Union Marza Para Could 1 Bandarban Alikadam Alikadam Alikadam Para Could Para Project Para Para Additional Info 2 Bandarban Alikadam Alikadam Alikadam 2030431142 - Abu Maj Para N/A Alu Maj N/A Abu Maj Para Additional Info 2 Bandarban Alikadam Alikadam 2030431142 - Abu Maj Para N/A Alu Maj N/A Abu Maj Alu N/A Abu Maj Alu Alu Para Alu Alu N/A Abu Maj Alu Macross the film in film one ring across the film in film one ring ac	-	Mauza									
Load Index Diatrict Upazila/Thana/Union Mauza Para Goal of the project Description Project Description Para Name Finility Number Additional Info 1 Bandarban/Ailkadam Alikadam Alikadam <th></th> <th>Para</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>		Para									
Index Description Pail Main Number	Load	District	lla a sila (Tha a s	U-i		0	C 1 -6 44i4	Project	Deve Name	Family	a ddii1 -6-
1 Bandarban Alikadam Alikadam Alikadam Alikadam Para V/A Au Maj Para V/A Au Maj Para Para Para V/A Au Maj Para Para Para V/A Au Maj Para Para Para V/A Au Maj Para V/A Au Maj Para	ndex	District	Upazila/Thana	Union	Mauza	Para	Goal of the project	Description	Para Name	Number	Additional Into
2 BandarbanAilkadam Alikadam 20030431142- Alikadam Abu Mia Para Needs to excavate the flowing phri. Alko needs to construct a an excess the phri. Alko needs to construct a macross the phri. Alko needs to across the phri. Alko needs to construct a macross the phri. Alko needs to construct a dam macross the phri. To improve the macross the phri. To improve the implanon improve the implanon improve the implant to alkon	1	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Abu Maji Para	N/A	N/A	Abu Maji Para	62	
3 Bandarban Alikadam Alikadam Amtalia Deep ring wells are needed AMTALL 03 03 ring wells and o hon or hube wells are needed 4 Bandarban Alikadam Aikadam 2030431142 - Alikadam Ashu 2030431142 - Alikadam Ashu Tripurg Para Ashu Tripurg Para Ashu Tripurg Para Ashu Tripurg Para Ashu 2030431142 - Alikadam Ashu Tripurg Para Ashu Tripurg Para Ashu Para Ashu	2	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Abu Mia Para	Needs to excavate the flowing jhiri. Also needs to construct a dam across the jhiri.		ABU MIA SARDAR PARA	93	Needs to excavate the flowing jhiri Also needs to construct a dam across the jhiri. 04 more ring wells are needed.
4 Bandarban Alikadam Alikadam 2000431142 - Ashbu Tripu Para	3	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Amtali	Deep ring wells are needed.		AMTALI	83	03 ring wells and 04 nos of deep tube wells are needed.
S Bandarban Alikadam Alikadam Baltali Para Alikadam V/A Not avaiable Battali Para S5 Inclusion 6 Bandarban Alikadam Alikadam 2009451142- Alikadam Buluka Para Not available Battali Para 55 Inclusion 7 Bandarban Alikadam Alikadam 2009451142- Alikadam Chandra Alikadam Chandra Chandra Para Chandra Mingovels tare needed for ord para Chandra Mingovels tare needed for Ord para Chandra Para Alikadam Chandra Alikadam Not extra para S6 meeds to construct a dam to mprove the inglaton system. Ord para Chandra Mingovels tare needed for ord para Chandra Mingovels tare needed for Ord para Para S6 mprove the inglaton system. Needs to excavate the pint. S6 mprove the inglaton system by alikadam Not drawn location Cheuni para S6 mprove the inglaton system by alikadam Not excavate the pint. Para S6 mprove the para S6 mpreset by buiding Dam a meeds to inorstructing a dam	4	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Asthu Tripura Para			ASTHU TRIPURA PARA	48	02 nos. of ring wells and a IGF are needed.
S Bandarban Alikadam Alikadam Baluka Para Buluka Para Chandra Chandra 46 Image of the pin solution of the p	5	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Battali Para	N/A	Not avaiable	Battali Para	55	
7 8 andarban Alikadam Alikadam 20093431142 Mohan Paria Charlor Mohan Paria Needs to construct a dam (Mohan Paria) Charlor Mohan Paria 6 8 Bandurban Alikadam Alikadam Alikadam Charlor Mohan Paria <	6	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Buluka Para				0	
8 Bandarban Alikadam Alikadam 2030431142- Alikadam Chalor Ghona Para Alikadam Chalor Chalor Chalor Alikadam Chalor Chalor Chalor Alikadam Chalor Chalor Chalor Alikadam Chalor C	7	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Chandra Mohan Para	Needs to construct a dam across the jhiri to improve the irrigational system.		Chandra Mohan para	46	
9 Bandarban Alikadam Alikada 20030431142 - Alikadam meeds to improve the Alikadam Information in the constructing a dam. production vegetable can be nand drawn in construction of the sketch map production vegetable can be possible public sketch map production vegetable can be possible public sketch map production vegetable can be possible public pack a dam. production vegetable can be possible public sketch map production vegetable can be possible public pack a dam. production vegetable can be pack a dam. production vegetable public pack a dam. production veg	8	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Chator Ghona Para	needs to construct a dam to improve the irrigation system. Ring wells are needed for drinking water		Chator ghona Para	65	needs to construct a dam to improve the irrigation system. 04 nos. of wells is needed for drinking water
10 BandarbanAlikadam Alikadam 20030431142 - Purbo Dakkhin dam across the jhiri also need Palong Para to be constructed. Deads to excavate the jhiri. A PURBO PALONG Deads to excavate the jhiri. A Purbo Deads to excavate the jhiri. A Purbo Purbo dam across the jhiri also need PALONG Purbo dam across the jhiri also need PALONG Purbo dam across the jhiri also need PALONG Purbo dam across the jhiri also need to palong Para to be constructed. Purbo dam across the jhiri also need to palong Para to be constructed. Purbo dam across the jhiri also need to palong Para to be constructed. Purbo dam across the jhiri also need to palong Para to be constructed. Purbo dam across the jhiri also need to palong Para to be constructed. Purbo purbo dam across the jhiri also need to palong Para to be constructed. purbo pur	Ð	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Cheuni Para	needs to improve the cultivation system by constructing a dam.	Information in the hand drawn location sketch map	Cheuni para	99	production vegetable can be increased by building Dam across the jhiri
	10	Bandarban	Alikadam	Alikadam	20030431142 - Alikadam	Dakkhin Purbo Palong Para	Needs to excavate the jhiri. A dam across the jhiri also need to be constructed.		DAKKHIN PURBO PALONG PARA	84	Needs to excavate the jhiri. A dam across the jhiri also need to be constructed. Water purification is also necessary in future.

Figure 1.35 Project Information for Water Sources

1.6 S8: Alternate Water Sources

This page displays information related to alternate water sources and their connection with the locals.

The first input seen in the form is a dropdown list containing the kinds of data that the user may access using this page. The dropdown contains the following types of data:

- Total Number of Alternate Water Sources
- Total Number of Benefitted Families
- Count of Alternate Water Sources grouped by Season Type
- Distance between Locality and Any Source of Water (in guz)
- Land Currently Involved in Agriculture (in acres)

Each of these options can load different types of data from the database. The table adapts based on the selected option and modifies the columns on the table accordingly.

There are checkboxes to the right of the dropdown menu for selecting boundaries as well. These can be used to group the data produced by separate regions.

Total Number of Alternate Water Sources 1.6.1

This section displays the number of alternate water sources of several kinds along with their names, grouped by the selected boundaries. A sample of the data produced on this page is provided below on Figure 1.36.

Alte	Alternate Water Sources other than Waterfall/Chhara/Jhiri (Only Active Sources)								
Da	ata Type: ata Field: Total	Number of Alt	ternate Water So	urces 💌	Boundaries: District Upazila Union				
Loa	ad xDistrict	Upazila	Union	Name of Water Source	Total Water Sources				
1	Bandarban	Alikadam	Alikadam	Canal	5	1			
2	Bandarban	Alikadam	Alikadam	Deep Tubewell	8				
3	Bandarban	Alikadam	Alikadam	GFS	3				
4	Bandarban	Alikadam	Alikadam	Pond	32	1			
5	Bandarban	Alikadam	Alikadam	Ring Well	46				
6	Bandarban	Alikadam	Alikadam	River	4				
7	Bandarban	Alikadam	Alikadam	Shallow Tubewell	5				
8	Bandarban	Alikadam	Alikadam	Water Reservoir	4				
9	Bandarban	Alikadam	Alikadam	Well	12				
10	Bandarban	Alikadam	Chokhyong	Canal	10				
	12345678910								

Figure 1.36 Number of water sources grouped by boundaries

Total Number of Benefitted Families 1.6.2

This section displays the number of families that are benefitted by the different kinds of alternate water sources on each boundary. A sample of the data produced is provided below on Figure 1.37.

Alternate Water Sources other than Waterfall/Chhara/Jhiri (Only Active Sources)											
D	ata Type: Ita Field: Total	Number of Be	enefitted Families	· · ·	Boundaries: District Upazila Union						
Loa	ad ¢District	Upazila	Union	Name of Water Source	Total Benifited Family						
1	Bandarban	Alikadam	Alikadam	Canal	308						
2	Bandarban	Alikadam	Alikadam	Deep Tubewell	321						
3	Bandarban	Alikadam	Alikadam	GFS	154						
4	Bandarban	Alikadam	Alikadam	Pond	1664						
5	Bandarban	Alikadam	Alikadam	Ring Well	2448						
6	Bandarban	Alikadam	Alikadam	River	271						
7	Bandarban	Alikadam	Alikadam	Shallow Tubewell	146						
8	85										
9	Bandarban Alikadam Alikadam Well 586										
10	10 Bandarban Alikadam Chokhyong Canal 422										
	1 00 45070040										

Figure 1.37 Number of families that are benefitted by different water sources grouped by boundaries

1.6.3 Count of Alternate Water Sources grouped by Season Type

This section displays the number of alternate water sources grouped by boundary and season type. A sample of the data produced is provided below on Figure 1.38.

Alternate	Water Sources	other than	Waterfall/Chhara/Ihiri	(Only	V Active Sources	١
Allemale	water Sources	other than	wateriall/Crinara/Jrin		y Active Sources)

D	Data Type: Data Field: Count of Alternate Water Sources grouped by Season Type					Boundaries: District Upazila Union
Lo	ad					
Inde	xDistrict	Upazila	Union	Name of Water Source	Season	Season Count
1	Bandarban	Alikadam	Alikadam	Canal	Perennial	5
2	Bandarban	Alikadam	Alikadam	Deep Tubewell	Perennial	8
3	Bandarban	Alikadam	Alikadam	GFS	Perennial	3
4	Bandarban	Alikadam	Alikadam	Pond	Perennial	24
5	Bandarban	Alikadam	Alikadam	Pond	Seasonal	8
6	Bandarban	Alikadam	Alikadam	Ring Well	Perennial	34
7	Bandarban	Alikadam	Alikadam	Ring Well	Seasonal	12
8	Bandarban	Alikadam	Alikadam	River	Perennial	4
9	Bandarban	Alikadam	Alikadam	Shallow Tubewell	Perennial	3
10	Bandarban	Alikadam	Alikadam	Shallow Tubewell	Seasonal	2
	12345678910)				1

Figure 1.38 Number of Alternate Water Sources grouped by Boundaries and Season Type

1.6.4 Distance between Locality and Any Source of Water (in guz)

Alternate Mater Courses other than Materfall/Chinere/Ibiri (Only Active Courses)

This section displays the distance (in guz) between nearby locality and any alternate source of water grouped by boundaries. A sample of the data produced is provided below on Figure 1.39.

D	ata Type: ata Field: Dis	tance betwee	en Locality and	Any Source of Water (in guz)	v	Bou 2 2	INDARIES: District Upazila Union		
Loa	ad								
nde	District	Upazila	Union	Name of Water Source	Distance from	Locali	ity in Gaz]	
inde: 1	xDistrict Bandarban	Upazila Alikadam	Union Alikadam	Name of Water Source Canal	Distance from 65.200000	Locali	ity in Gaz		
inde: 1 2 3	x District Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam	Name of Water Source Canal Deep Tubewell GES	Distance from 65.200000 18.375000 118.666666	Locali	ity in Gaz		
inde: 1 2 3 4	x District Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam	Name of Water Source Canal Deep Tubewell GFS Pond	Distance from 65.200000 18.375000 118.666666 44.604062	Locali	ity in Gaz		
inde: 1 2 3 4 5	x District Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam	Name of Water Source Canal Deep Tubewell GFS Pond Ring Well	Distance from 65.200000 18.375000 118.666666 44.604062 100.032608	Locali	ity in Gaz		
inde: 1 2 3 4 5 5	x District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Name of Water Source Canal Deep Tubewell GFS Pond Ring Well River	Distance from 65.200000 18.375000 118.666666 44.604062 100.032608 49.250000	Locali	ity in Gaz		
inde 1 2 3 4 5 5 7	District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Name of Water Source Canal Deep Tubewell GFS Pond Ring Well River Shallow Tubewell	Distance from 65.20000 18.375000 118.666666 44.604062 100.032608 49.250000 30.066000	Locali	ity in Gaz		
1 2 3 4 5 5 7 8	x District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Name of Water Source Canal Deep Tubewell GFS Pond Ring Well River Shallow Tubewell Water Reservoir	Distance from 65.20000 18.375000 118.666666 44.604062 100.032608 49.250000 30.066000 84.000000	Locali	ity in Gaz		
inde: 1 2 3 4 5 5 7 8 9	x District Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban Bandarban	Upazila Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Union Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam Alikadam	Name of Water Source Canal Deep Tubewell GFS Pond Ring Well River Shallow Tubewell Water Reservoir Well	Distance from 65.200000 18.375000 118.666666 44.604062 100.032608 49.250000 30.066000 84.000000 108.708333	Locali	ity in Gaz		

Figure 1.39 Distances between localities and any alternate source of water sources grouped by boundaries

1.6.5 Land Currently Involved in Agriculture (in acres)

This section displays the area (in acres) of lands that are involved in agriculture around the alternate water sources grouped by boundaries. A sample of the data produced is provided below on Figure 1.40.

Alternate Water Sources other than Waterfall/Chhara/Jhiri (Only Active Sources)

D	Data Type: Data Field: Land Currently Involved in Agriculture (in acres)			B 2 2	oundaries: District Upazila Union	
Lo	ad	Ilectio	11=:	News of Biotes Course	Total Londia	
1	Bandarhan	Alikadam	Alikadam	Canal	18 00	Agriculture
2	Bandarban	Alikadam	Alikadam	Deep Tubewell	10.00	
3	Bandarban	Alikadam	Alikadam	GFS	0.00	
4	Bandarban	Alikadam	Alikadam	Pond	12.00	
5	Bandarban	Alikadam	Alikadam	Ring Well	394.90	
6	Bandarban	Alikadam	Alikadam	River	23.00	
7	Bandarban	Alikadam	Alikadam	Shallow Tubewell	0.00	
8	Bandarban	Alikadam	Alikadam	Water Reservoir	0.00	
9	Bandarban	Alikadam	Alikadam	Well	13.00	
10	Bandarban	Alikadam	Chokhyong	Canal	112.00	
12345678910						

Figure 1.40 Area of lands in acres involved in agriculture around the alternate water sources