

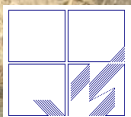
BIHAR KOSI FLOOD RECOVERY PROJECT

Developing Approach, Protocols And
Mechanisms for Community Participation in
Embankment Surveillance and Piloting in Select
Communities in Kosi River Basin

FINAL REPORT

Submitted to:

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*We genuinely hope that the WRD will take appropriate measures in executing the **PROTOCOLS AND MECHANISMS FOR EMBANKMENT SURVEILLANCE** proposed in the report and ensure that community take ownership of the embankments in the interest of embankments health.*

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ABBREVIATIONS

AEC	Anti Erosion Committee
BAPEPS	Bihar Aapada Punarwas Evam Punarnirman Society
BRLPS	Bihar Rural Livelihoods Promotion Society
BSDMA	Bihar State Disaster Management Authority
CP	Community Participation Page
EAMS	Embankment Asset Management System
EWS	Early Warning System
EKE	Eastern Kosi Embankment
FGD	Focus Group Discussion
FMC	Flood Monitoring Cell
FMISC	Flood Management Improvement Support Center
GoB	Government of Bihar
GPLESC	Gram Panchayat Level Embankment Surveillance Committee
K-EAMS	Kosi Embankment Asset Management System
KHLC	Kosi High Level Committee
NGO	Non-Government Organization
OBC	Other Backward Class
PRI	Panchayati Raj Institution
SMS	Short Message Service
SOP	Standard Operating Procedure
SRC	Scheme Review Committee
TAC	Technical Advisory Committee
VLESC	Village Level Embankment Surveillance Committee
WKE	Western Kosi Embankment
WRD	Water Resource Division



Executive Summary

The Kosi River is a dominant river system with a history of shifting directions and causing havoc in Nepal and India. It carries very high sediment load. Constructions of embankments and barrage have resulted in the rise of river bed level. The river has been flowing in a ‘super-elevated’ condition at several reaches; in other words, the bed elevation is higher than the elevation of the surrounding plains. As such, the river was close to its avulsion threshold at several places and this, combined with huge gap between requirement and actual maintenance of the embankments, has led to breaches and floods frequently in the river basin. The disastrous flood of August 2008 still haunts the memory of the State and the Nation. Such is the potential damage that can be caused by the Kosi, it has become known as the “Sorrow of Bihar.”

The Kosi embankments were built in late 1950s to train the Kosi River. According to the agreement with Nepal the responsibilities of maintaining these embankments is vested with the Government of Bihar. The Government of Bihar (GoB) thus far has focused on structural interventions, such as constructing, raising, and strengthening of embankments (levees), river training, and river bank and town/village protection measures. About 3732¹ kilometers of embankments have been constructed in the state of Bihar over the years. This remains a major and important component of the flood risk management system in the State. It is thus necessary to continuously monitor the status and safety of embankments to rationally assess the need and nature of embankment maintenance, anti-erosion works or flood fighting works to protect the embankment and the downstream habitations. **It is now increasingly being realized that to supplement and complement the efforts of WRD in embankment surveillance, community participation is of vital importance.** The surveillance of long stretches of embankments by community members residing along the embankment stretches will not only help the department in close monitoring of the embankment condition but will also prepare the community in raising their awareness level with regard to various human activities that lead to damages in the embankment condition.

It is in this backdrop that community based flood risk management is planned under Bihar Kosi Flood Recovery Project (BKFRP) to include both timely and targeted flood alerts to communities for improved preparedness and feedback from communities on embankment status to supplement institutional monitoring under the consultancy assignment on **“Development of Approach, Protocol and Mechanisms for Community Participation”**. The key objectives of the assignment are:

1. To review past community involvement in embankment surveillance and protection, and identify reasons for subsequent failure of the involvement;
2. To recommend the most effective modalities to effectively associate the communities for embankment surveillance in normal time and during flood, to patrol and send localized embankment reports to EAMS, support WRD flood fighting efforts;
3. To plan and conduct workshops in select communities to develop consensus on suggested modalities;
4. To develop plan for basin-wise implementation; and
5. To pilot Implementation in select field divisions to demonstrate and finalize strategy.



¹As per website of WRD , accessed on 09.06.20156

Globally it has been realized and also been practiced for long that decentralization in decision making especially to include community in the process of responding to any disaster be it flood or earthquake or any other has brought out positive outcomes. Experiences from Bangladesh, China, Nepal, Japan, Australia and Netherlands have been studied. Experience from developed nation like Japan outlines that structured “Community-based Disaster Risk Management (DRM)” activities are well integrated into the daily lives of most Japanese, ensuring that awareness of natural hazards is never far from their minds. In Netherlands, local governments and communities in affected areas served as first responders, managed evacuation centers, and promptly began post disaster reconstruction. In Bangladesh use of religious leaders and faith based organisations have helped information dissemination and the Early Warning System.

Within India we can draw parallel to reforms that have taken place in political system with the enactment of PRI Act. In many places this promises to reform the system of governance. Whereas, the flood control measures equipped with backup support from technical measures have a tendency to cope with the emergency situation, community participation has the potential to make such measures part of daily discourse. Being at the forefront, communities need to have capacity to respond to threats themselves. It is for this reason that communities should be involved in managing the risks that may threaten their well-being. Community participation has the potential for more meaningful and inclusive development. It is thought to prepare the local communities for making informed decisions and have a say in policies that directly affects them. It lessens the burden on state system and the exchequer by refraining to intervene in every small and medium trouble. The community becomes capacitated and informed enough to take care of such issues. In India, Joint Forest Management (JFM) is a successful model where community participation has seen a lot of forests to be protected from deforestation and the benefits of Non Timber Forest Produces (NTFP) have been shared by community in organized manner. There are numerous examples of successful Watershed Development in the country (Ralegan Sidhi experiment) where the community participation in planning, monitoring/ surveillance, implementation and involvement with the Watershed Development Team (WDT) has reaped enormous benefits to the community. In Bihar, Participatory Irrigation Management (PIM) in some areas has been a successful programme.

Under the current system of surveillance of the Kosi embankment, the Govt. follows the SOP wherein a home-guard is employed for four months during the monsoon season (15th June to 15th October every year to patrol the embankment, identify cracks, damages and the embankment condition and report it to the respective authorities of the division. Community is not involved in any organized manner, though it does pitch in with valuable inputs during critical times. Most of the information provided by community is based on observation of river flow and some anecdotal information on rainfall received from their relatives and friends in Nepal.

Scope and objective of the assignment:

It is therefore visualized that under this assignment the consultant would come up with the following major outputs/ deliverables:

1. Approach, protocols and mechanisms for community participation for embankment surveillance. The approach, protocols and mechanism should be backed up by appropriate field survey in the community, interaction and consultation with Department officials and other stakeholders and should spell out the model of community participation which has consensus from Community and the Department.



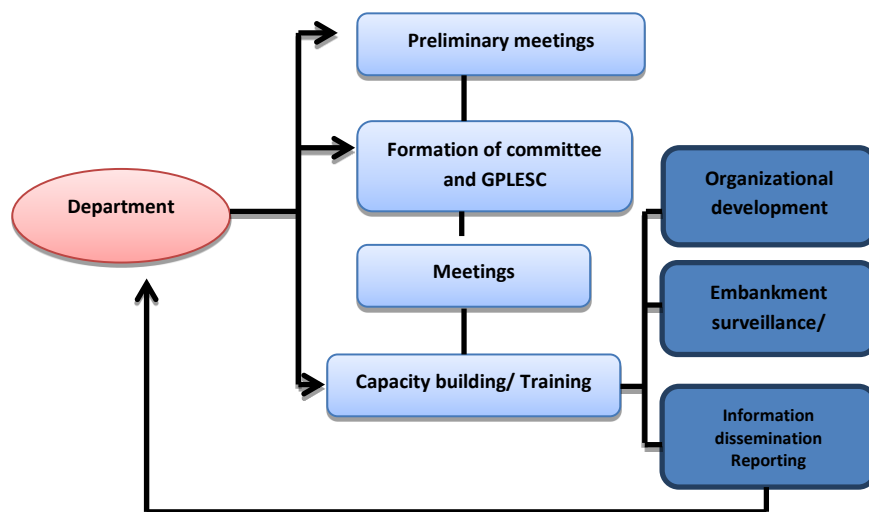
2. Action Plan for preseason workshops and piloting the same in select communities in select division.
3. Action plan for implementation of the plan in the entire basin. The plan should include training manual and financial implications.
4. Format & Content for Community Reporting (Information sharing mechanism and its integration into K-EAMS for proper implementation):

In the following Para outline of the key deliverables has been provided:

1. Developing Approach, Protocols and mechanisms for community participation:

The approach that evolved after discussions and deliberations (personal interviews and FGDs) with community - PRI members, general community, women groups and FGDs with department officials at the field level was that embankment surveillance should be done through embankment surveillance committees. The model based on consensus (arrived at in 3 field level workshops held at Birpur, Nirmali and Jhanjharpur and 1 state level workshop held at Patna) was formation and strengthening of Gram Panchayat Level Embankment Surveillance Committees (GPLESC) or Village level Embankment Surveillance Committees (VLESC) along the stretch of the embankment. However, the department officers were of the view that in the initial stages it will be more appropriate to deal with surveillance committees at the Panchayat level.

The Consultant has given detailed protocol for formation of surveillance committees both at Panchayat level as well as at the level of villages. Whenever the department feels the necessity of having village level surveillance committees at any vulnerable location it can form the Village level Embankment Surveillance Committee by taking recourse to the suggested protocol. The Consultant proposes a total of 66 GPLESC's to be formed along the embankment stretch (about 46 in Kosi and 20 in Kamala). Of this the Consultant has already formed 16 GPLESC. In addition, the Consultant has formed 35 Village Level Embankment Surveillance Committee. A list of Panchayats and villages where GPLESC and VLESC needs to be formed by the WRD is provided in the report. This list is based on vulnerability aspect as per *Barh Gasti Niyamawali* for last three years and can be suitably amended by the WRD depending upon threat perception at a later time.



As per protocols the committees should have membership of 9-15. Representation of women, PRI member and members from vulnerable community (minority, disadvantaged sections) should be ensured in the committees. A Junior Engineer/ Assistant Engineer from the WRD side should also be present in the committee to bring in technical know-how and confidence in the group. The group should agree on voluntary mechanism of functioning (without any financial assistance) and have meetings at regular interval and receive orientation on group dynamics, embankment surveillance, information flow mechanism and management. It should have a protocol of nominating members from within the group to patrol the embankment on a daily basis (during flood season) and on a weekly basis during



normal times. Reporting on the embankment condition is to be made by select members whose telephone numbers and other coordinates will be shared with the Department. In this mechanism unwarranted information will not come to the WRD. Information flow to the department will be within the ambit of the K-EAMS protocols laid down for receiving coded information provided as per the alert list by the department.

2. Action plan for pre and post season workshops:

Pre and post season workshops have the potential to enlighten community members on the necessity of embankment safety and the threats to the embankment. Further it can enlighten community on their roles and responsibilities for embankment surveillance and safety before and after monsoon. It holds relevance also because it can create an effective and conducive platform wherein the WRD field division staff and the community representatives can interact freely and plan together for Embankment surveillance. The consultant has suggested holding of at least two workshops in each division annually. It has been proposed, that pre and post season workshops with GP/LESCs at the Division level should be conducted during two periods, namely between 1st. to 15th. Of May (as all pre monsoon activity compliance is scheduled to be completed before 15th of May as per the SoP) and during 15th. to 30th. September every year (before the Anti-Erosion Committee finalizes plans for the TAC). These workshops will enable in addressing community inputs on embankment surveillance/ management by the AEC/TAC appropriately and also creating a friendly environment of faith and trust between the community and the department. List of places where these preseason workshops have to be organized has been provided in the report.

3. Action plan for implementation of the plan in the entire basin. The plan should include training manual and financial implications:

A detail action plan has been prepared for implementation in the entire basin. The action plan entails formation of 50 GP/LESC's details of which is provided in the chapter on detailed action plan. The chapter also deals with the protocols on formation of these GP/VLESCs and its functions. Over and above this the chapter also has a training manual which explains all details of how to form, when and where to form, roles and responsibilities of the committees, meetings and proceedings details etc. It is noteworthy to mention that, Consultant has already formed 16 G.P level of the 66 suggested and that this was done as a part of pilot wherein some Junior Engineers and Assistant Engineers of the Water Resource Department officials in Birpur and Nirmali division were trained and they actually formed the GP/LESC and VLESC as per the protocols on group formation, orientation and functioning. They even went through the Hindi version of the training manual and found it to be highly helpful information and monitoring of the GP level and Village level Embankment surveillance committees.



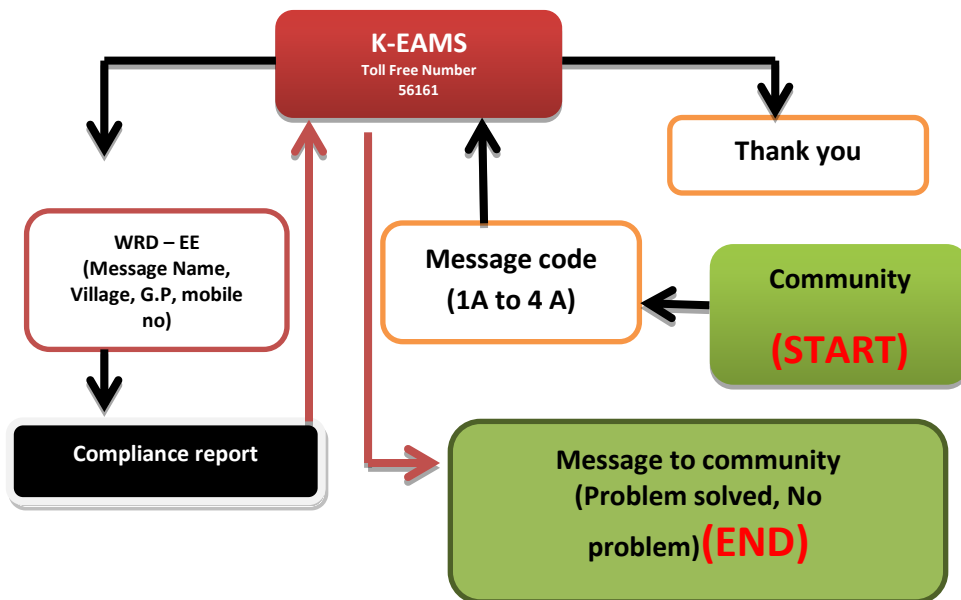
4. Format & Content for Community Reporting (Information sharing mechanism and its integration into K-EAMS for proper implementation):

The format & content for community reporting has been designed to keep the entire process in a structured manner and present the participants with well-defined parameters. It is noteworthy to mention that the parameters include visual observation of river flow close to embankment, dramatic changes in river alignment, damage to river training works and embankment structures, wave action damaging the river-side slope of the embankment, Seepage of water through embankment, rat holes, rapidly rising river water level, miscreants trying to cut the embankment, etc. Based on these parameters a list of 12 alerts has been proposed and approved by the departmental SRC. The messages contained in the format for community reporting are mostly non-technical in nature and have been phrased in a manner so as they are easily comprehensible to common masses who are living in the countryside of the embankments. The Hindi translation of these alerts have been proposed to be displayed on big hoardings, flex boards or printed and pasted on walls at key locations near the embankment. The Consultant has already placed such hoarding in key locations where the piloting of final strategy has been done.

S. No.	Alerts	Priority	SMS Code
1	Erosion, caving on the river side slope of embankment is occurring.	1	WRD 1A
2	Cracks have been observed on the embankment.	1	WRD1B
3	Damage or caving of protection work done on the river side of embankments has been observed.	1	WRD1C
4	The river is flowing at the edge of embankment and erosion/caving of embankment is taking place.	1	WRD1D
5	Seepage or sand boils have been observed on the embankment slope and in nearby areas.	1	WRD1E
6	Surface of the embankment is in bad shape and needs immediate attention.	2	WRD2A
7	Country side toe-cutting has been observed in the embankment.	2	WRD2B
8	The river is flowing at a distance of 100 mts. From the embankment and displays a tendency of coming nearer.	2	WRD2C
9	Depressions greater than 6 inches have been observed on the embankment.	2	WRD2D
10	Rain cut has been observed on the embankment that requires soil filling.	3	WRD3A
11	Several animal burrows present on the embankment that require immediate attention.	3	WRD3B
12	Construction of hutment & animal shed is taking place on the embankment.	4	WRD4A

MODALITY of Information sharing and integration into K-EAMS:

Pull message: K-EAMS will receive message from the community on Toll Free Number – 56161 (currently it is not toll free, but Department has initiated the process for it to become TOLL free) on its Community Participation Page (CP Page) following the below mentioned procedure:



Code of Type of Problem (message alert 1A to 4A), followed by the sender's coordinates namely village, Panchayat, name and Phone number in the order mentioned.

It is important that about 1000 members have provided their consent to be a part of this information exchange process. The coordinates of these members have been uploaded on the K-EAMS software and therefore the tracking of the sender will not be an issue. On receipt of the alert from the community members, K-EAMS will generate a case Id and send a gratitude note to the sender saying “Thank you for your alert”.

Push message: The case Id and alert along with all coordinates – Name, village name, G.P name and mobile number will be auto transmitted to the concerned Executive Engineer of the respective division. Icons of Open / close are provided in the CP page and therefore once the message is transmitted to the Executive Engineer the case automatically opens. The Executive engineer will then get in touch with WRD staff(Assistant Engineer / Junior Engineer) of the concerned area and initiate enquiry and action Once action is taken the Assistant / Junior Engineer will in-turn inform the Executive Engineer who will give his remarks in the space provided in the CP page and close the case. The major feature of CP Page on EAMS is therefore to Archive of Community Messages on embankment safety for every quarter. There is a system of flashing alerts through marquee for critical and priority messages (WRD 1A to WRD 2A).

WRD 1A
to 4A

Sender's Details – Division name, Village Name,
Panchayat Name, Name of Sender, and Phone Number

Integration of messages into K-EAMS – Visual representation in K-EAMS CP Page:

The screenshot displays the K-EAMS CP Page interface. The main content area shows a table titled "PULL SMS : Status and details of message from Community". The table has the following columns: SMS ID, SMS CODE, ALERT MESSAGE, DIVISION, PANCHAYAT, VILLAGE, PERSON NAME, MOBILE NO, SMS TIME, SMS DATE, and STATUS. Two rows of data are visible:

SMS ID	SMS CODE	ALERT MESSAGE	DIVISION	PANCHAYAT	VILLAGE	PERSON NAME	MOBILE NO	SMS TIME	SMS DATE	STATUS
Pull01	1A	Erosion, caving on the river side slope	Bhataniya	LAUKANG	KODLI	PANCH DEV SHAH	7033752289	5:10PM	16-02-2016	Open
Pull02	1B	Cracks have been observed on the embankment	Bhataniya SHANAPUR PRITHI	SHANAPUR PRITHI(PATTI)	NAVIPUR	VIDYANANAD	7033799203	6:02PM	16-02-2016	Open



5. Financial implications and Funding mechanism:

Based on the recommendations in workshop a financial model is developed which will cater to:

- Formation and training(capacity building) of community organizations (VLESC/GPLESC)
- Developing of Mobile app and information dissemination system and integration of the same into the K-EAMS

During interaction with the community members and also from findings of our survey it is quite apparent that community members are willing to participate in surveillance exercise on a voluntary basis. They recognize the importance of embankment in the safety of their lives and property and will be a willing partner in maintaining its safety. However, based on the requirements of the tools and mediums for information dissemination and for smooth operation of two way communication with the community. Item wise tentative estimate of expenditure is also provided for making community participation in embankment surveillance more functional. Some of these costs are one time expenditure while, some other components could be recurring in nature.

SL	Item	UNIT	Rate unit	Rs./	Cost (INR)
1	Formation of VLESC/GPLESC*	50	5500		2,75,000
2	Design of Communication Materials**	LS	LS		10,00,000
3	Training and workshop#	60	16250		9,75,000
4	Communication costs (Toll Free Number)*** and for developing mobile application	LS	LS		5,00,000
	Grand Total				27,50,000

Note: * This cost includes mobility costs of department in mobilizing community. During the survey community members were willing to participate voluntarily in embankment surveillance.

** - Items like boards, wall painting, poster etc.

*** - As per Government Rates

- Costing for training has been arrived by assuming 2 training per year in each division for 3 years. (Proposed expenditure may vary based on the cost index)

6. Key Recommendations:

During our interaction with community people at various locations in different stages of the conduct of this assignment it was felt by the team members that at times people were critical of the procedures adopted for embankment maintenance by WRD. However, once some technical insights were brought to their notice they soon converted to becoming appreciative of the efforts put by the department in protecting the embankment and their lives.

Many of the misgivings that are mutually shared by the community members and some WRD functionaries are simply borne out of lack or absence of communication. It is hoped that regular interaction in the form of group formation activities, trainings and workshops will provide both the community and department a platform to become appreciative of each other's ideas and expectations.

- At this point this Consultancy Firm would like to take note of the point that there is a need of periodic consultation with the people living near the embankment by WRD and other relevant departments and reiterate the importance of embankments in their lives.



- As has been suggested GPLESC should be formed along the stretch of the embankment in the GPs identified and proposed in the Action plan.
- The pre and post season workshops suggested in the action plan for community participation need to be implemented. This will enable the AEC and the TAC to interact with the community at the Division level biannually and a lot of community identified issues and concerns on the embankment safety could be amicably addressed.
- It was suggested in the 2 day expert consultation workshop on “Improving flood risk management in Bihar” Feb 18-19, 2016, at Hotel Maurya, that Approach, protocols and mechanisms of community participation in Embankment Surveillance developed under this assignment be made an integral part of the Standard Operating Procedures (SOP) and be made mandatory on the part of the Department officials at field level to take forward the agenda of forming , orienting and capacitating the embankment surveillance committees for effective two way communication on embankment surveillance, maintenance and flood risk management.
- It is strongly recommended that WRD should have representation in the various groups that have been suggested to be formed to the extent it is possible. Presence of a WRD functionary in the embankment surveillance committees will help the group in carrying out informed discussion and better acceptance of the department. The current lack of faith in the department and the works pertaining to maintenance of embankments by the department will be changed and looked by the community a measure to protect them.
- Bringing transparency in maintenance work carried out on the embankment through simple means of putting up display boards detailing the task and its costs and period of activity, as is done in other infrastructure projects like roads and bridges will help in acceptance of such activities in the eyes of the local people.
- Attempt should be made to address the defects reported by the community during its surveillance as soon as possible and informing the community about such efforts will strengthen this mechanism.
- Telephone nos. of concerned officers must be displayed at the common place eg. Community centre, schools, *Panchayat Bhawan* etc. to enable the members to pass on the information about the impending danger to the concerned officers immediately for taking appropriate action.
- If the community is made aware of protection works being executed on the embankment, they would not only cooperate in smooth execution of the works but this will also instill a sense of belongingness on part of the community with respect to the embankment.
- Agency selected for execution of works should to the extent possible employ local laborers and source materials locally.
- The Committees formed for surveillance can become the nodal point for getting reliable labour and also impart training required for carrying out the specialized tasks of embankment repair and maintenance.



1.0 INTRODUCTION

The Kosi River is a powerful river system with a history of causing havoc in Nepal and India. Such is the potential damage that can be caused by the Kosi, it has become known as the “Sorrow of Bihar.” The Kosi carries a very high sediment load and the flow of river contains heavy silt, resulting in changing its course. In about 200 years, the river has moved laterally by about 150 km.

“The Kosi River is a powerful river system with a history of shifting directions and causing havoc in Nepal and India. Such is the potential damage that can be caused by the Kosi, it has become known as the “Sorrow of Bihar.” Thousands of families in Nepal and millions in India continue to live in fear”

Flooding in Kosi and Kamla River basin - Brief

In 2008, the Kosi River broke out of its embankment near Kusaha Village in Sunsari district of Nepal. The ensuing flood affected 70,000 families and displaced 7,000 families in Nepal, while affecting another 3.5 million people in India. The breach of the embankments and ensuing flood were not caused by the monsoon rains. In fact, the monsoon was below average during that time, otherwise the potential impacts could have been far worse. The Kosi River eroded its embankment in Nepal about 12 km up stream of the barrage as a result of which the embankment breached on the 18th of August 2008 and the river started flowing on an entirely new course.

Flooding in Kamla is quite often seen as a common phenomenon with Darbhanga district affected the most. Even with the presence of embankments on both sides of the river, floods cannot be tackled down due to large scale sedimentation of sand silt and clay brought from upper reaches of Kamla Balan.

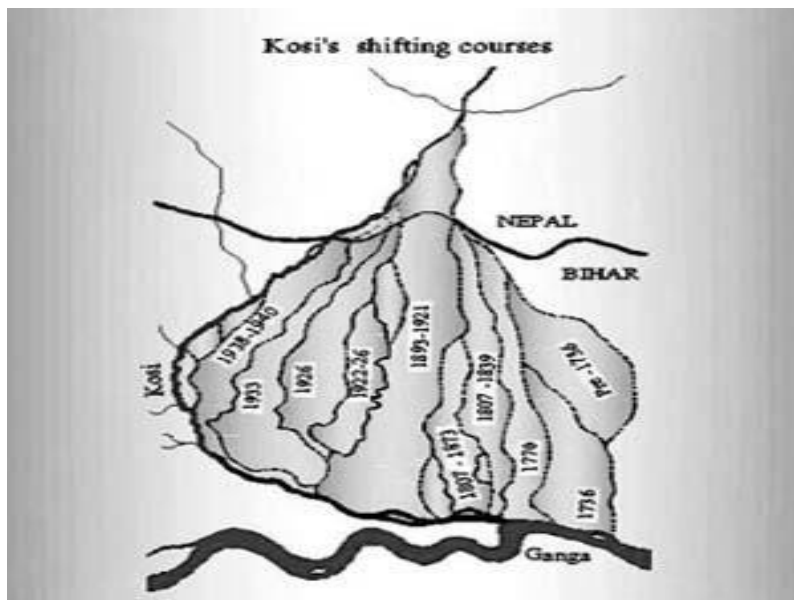


Figure 1: Kosi shifting courses

Embankments:

The **Kosi embankments** were built in late 1950s to train the Kosi River. According to the agreement with Nepal, the responsibility of maintaining these embankments is vested with the Government of Bihar. The Kosi Project resulted in the construction of 125 km long embankments along the eastern bank of the Kosi from Birpur to Kopadia. On the western side, the embankment is 126 long from Bhardah in Nepal to Ghoghhepur in Saharsa in Bihar with a design to withstand a discharge of

Final Report: Developing Approach, Protocols and Mechanisms for Community Participation in Embankment Surveillance and Piloting in Select Communities in Kosi River Basin

950,000 cusecs to protect 214,000 ha of land from floods. There are three zamindari embankments namely Badlaghat to Nagarpara, Nagarpara to Narayanpur and Trimuhani to Kursela. Additionally a 34 km embankment was built on the eastern side in Nepal part together with a 12 km long afflux on the west bank. Later a barrage was constructed in 1963 near Birpur on the river to regulate the river and provide irrigation to 712,000 ha of land through the eastern Kosi canal. The Western Kosi canal was supposed to serve another 325,000 ha of cropped land on the western side of the river.

History of Breaches in Kosi and Kamla

The Kosi embankments have breached several times both in Nepal and Bihar (India). Among these, the breaches in 1984 (eastern embankment) and 2008 (eastern Afflux Band) caused the greatest havoc. The breach in the Navhatta block of Saharsa District in 1984 caused a catastrophic flood that uprooted half a million people and engulfed 96 villages in Saharsa and Supaul districts. In addition, the breaches in Kamala embankment caused severe inundation in the districts of Darbhanga and Madhubani.

Embankment Surveillance:

The Government of Bihar (GoB) thus far has focused on structural interventions, such as constructing, raising, and strengthening of embankments (levees), river training, and river bank and town/village protection measures. It is thus necessary to continuously monitor the status and safety of embankments to rationally assess the need and nature of embankment maintenance, anti-erosion works or flood fighting works to protect the embankment and the downstream habitations. It is now increasingly being realized that to supplement and complement the efforts of WRD in embankment surveillance, community participation is of vital importance. The surveillance of long stretches of embankments by community members residing along the embankment stretches will not only help the department in close monitoring of the embankment condition but will also prepare the community in raising their awareness level with regard to various human activities that in the present sometime lead to damages in the embankment condition.



2.0 COMMUNITY PARTICIPATION AND EMBANKMENT SURVEILLANCE

2.1 CORE UNDERSTANDING OF COMMUNITY PARTICIPATION

Globally, it has been realized and also been practiced for long that decentralization in decision making has the potential for more meaningful and inclusive development. It prepares the local communities for making informed decisions and has a say in policies that directly affects them. It lessens the burden on state system and exchequer by refraining to intervene in every small and medium size points of trouble. The community becomes capacitated and informed enough to take care of such issues.

Within India we can draw parallels to reforms that have taken place in political system with the enactment of PRI Act. In many places this promises to reform the system of governance. Whereas, the flood control measures equipped with backup support from technical measures have a tendency to cope with the emergency situation, community participation has the potential to make such measures part of daily discourse. Being at the forefronts, communities need to have capacity to respond to threats themselves. It is for this reason that communities should be involved in managing the risks that may threaten their well-being.



Figure 2: Community meeting at Sahewan

2.1.1 Community Based Disaster Management-New Approach in Disaster Management

- ▶ Within the last decade, parallel efforts in various regions of the world called for a paradigm shift from the prevailing emergency management framework to disaster risk management with the aim of reversing the increasing trend in disaster occurrence and loss, especially from small- and medium-scale disasters.
- ▶ These highlighted the need for proactive disaster management activities and the significant role of local communities.
- ▶ The community based approach also corrected the defects of the top-down approach in development planning and disaster management which failed to address local needs, ignored the potential of local resources and capacities, and may have even increased people's vulnerabilities.

Experiences of community based disaster management programs across the globe suggest to the huge potential of such programs. Community participation plays an important role and is fundamental



for each stage of the management that is preparedness, response to and recovery from floods and for embankment surveillance. Keeping these factors in mind, “Community based flood risk management” is planned under Bihar Kosi Flood Recovery Project (BKFRP) under the assignment “**Development of Approach, Protocol and Mechanisms for Community Participation**”.

The programme is designed to include

- a) Timely and targeted flood alerts to communities for improved preparedness and
- b) Feedback from communities on embankment status to supplement institutional monitoring

Long reaches of embankment and limited departmental capacity for patrolling particularly during flood events, needs active participation of local people who are intended to be protected, to promote ownership and for effective real-time surveillance of the embankment. The community participation would supplement and complement the efforts of WRD Field Offices. Villagers along the embankment typically guard the embankment during floods to counter any attempt of the nearby villages to cut embankment to relieve the water pressure on their stretch. The Embankment Asset Management System (EAMS), under a separate consultancy, covers the Kosi-Kamala basin. EAMS includes development of a module to supplement the institutional inspection data with real-time community reported embankment status and river data. Community participation to supplement and complement the WRD Field office efforts in embankment surveillance had been planned through this consultancy. It was also necessary to pilot select implementation in Kosi-Kamala basin. A plan for training and support facilities/ arrangement for implementation of the above plan were also needed to be developed. Finally, the community participation plan would be discussed with select communities to develop a consensual approach.

2.1.2 Key objectives of this assignment:

- To review past community involvement in embankment surveillance and protection, and identify reasons for subsequent failure of the involvement.
- To recommend the most effective modalities to effectively associate the communities for embankment surveillance in normal time and during flood, to patrol and send localized embankment reports to EAMS, support WRD flood fighting efforts, etc.
- To plan and conduct workshops in select communities to develop consensus on suggested modalities
- Develop plan for basin-wise implementation and piloting in Kamla-Kosi basin.
- Pilot Implementation in select field divisions to demonstrate and finalize strategy.

2.2 Scope of Consultancy:

Long lengths of embankment and limited departmental capacity for patrolling needs active participation of people who are intended to be protected, to promote ownership and for effective real-time



surveillance of the embankment. The community participation would supplement and complement the efforts of WRD Field Offices. Villagers along the embankment typically guard the embankment during floods to counter any apprehended attempt of the villagers to cut their stretch to relieve the water pressure on their bank/stretch. The self-prevention which dictates the voluntary taking up of the responsibility of guarding embankment from miscreants can be used to make them aware of the risk/damage during flood and to involve them in embankment surveillance in normal period and during flood. The scope will include:

- The Consultant will interact with selected communities on sample basis (making sure that the sample represents the varying degree and nature of flood hazard in the project area). The sample size and selection of communities will be designed by the consultant based on sound statistical principles, and shall cover the embankments along Kosi and Kamla rivers. The consultant as part of sample survey will also interact with concerned field divisions for suggestions on how the community feedback can effectively supplement field staff surveillance.
- The consultant will evaluate community participation modes for embankment surveillance in normal times and during flood to supplement the institutional efforts. He will recommend how the existing Panchayati Raj Institutions would be involved.
- He will suggest types of embankment information to be transmitted in real-time and on need basis (as requested by the WRD) for integration in EAMS. The embankment information may include visual observation of river flow close to embankment, dramatic changes in river alignment, damage to river training works and embankment structures, wave action damaging the river-side slope of the embankment. Seepage of water through embankment, rat holes, rapidly rising river water level, miscreants trying to cut the embankment, etc. In case of embankment failure they will report about the status of breach such as location, time, and approximate length. The Consultant will take note of the means of community participation, the communication infrastructure at the community level, functional status and efficiency, and community skill sets. He will recommend whether the existing communication means will be utilized or new infrastructure will be needed.
- He will evaluate typical communication infrastructure at the community level, functional status and efficiency, and community skill sets. He will recommend how the existing communication means will be utilized and recommend additional capacity building that will be needed.
- The consultant will recommend information flow to different identified recipients including BAPEPS, FMISC- EAMS, FMC, and field WRD Offices during normal and emergency situations.
- To sustain the community participation, the consultant will develop community feedback mechanism by which the community can be kept informed about the action being taken by the department based on and after their reporting.
- The consultant would hold workshops in selected communities in the basin area to reach consensus on the proposed participation modalities.
- The consultant will develop a plan for the annual pre-season workshops for ensuring community preparedness.



- The consultant would assess financial implications of community participation. He will recommend whether the participation would be voluntary or funded. He will assess the fund requirement.
- International experience would be reviewed to further support the development of community participation mechanism. The Consultant would also interact with the stakeholders and the consultant undertaking *Establishment of Embankment Asset Management System* to augment his findings and recommendations.
- It is expected that the Consultant would be able to speak, read and write Hindi to effectively interact with the communities.
- The consultant will develop the action plan for implementation in the whole basin and also a plan for piloting it in a selected portion (say, one WRD Division) in Kosi Basin.
- The plan will be piloted in select field divisions to demonstrate and finalize strategy.

2.2.1 Tasks and Deliverables

Task1. Review of current status in community participation, and develop plan for consultancy:

- A. To review international, national and Bihar experience in community participation for embankment surveillance and identify possible approaches
- B. To review past community involvement in Bihar in embankment surveillance and protection, and identify reasons for subsequent failure.
- C. Develop plan for sample survey of communities to evaluate community capacity, and potential for optimal participation in embankment monitoring. The sample size and selection of communities will be designed by the consultant based on sound statistical principles, and shall cover the whole length of embankments along Kosi Kamla.

Outputs:

1. Inception Report, proposed development approach, activity schedule, expected outputs etc.

Task 2. Develop approach, protocols and mechanisms for community participation:

- A. Conduct sample surveys of communities along embankments, and concerned field divisions, on the most effective modalities for community participation in embankment surveillance in normal times and during flood, to patrol and send localized embankment reports to EAMS. The survey may include community level flood risk, motivation for participation, institutional set-up, communication infrastructure at the community level, functional status and efficiency, community skill sets, etc.



- B.** To suggest community participation modes in embankment surveillance in normal times and during flood to supplement the institutional efforts, and recommend how the Panchayati Raj Institutions would be involved.
- C.** To recommend the nature, contents and format for the community reports, based on visual observations of embankment condition and river flow. Community reported embankment and river status data will be integrated with EAMS for developing the maintenance and planning module. The consultant would refer Bihar Checklist finalized for inspection of embankments.
- D.** To recommend the modes and information flow to different identified recipients including BAPEPS, EAMS, FMISC, FMC, and field WRD Offices during non-flood and emergency situations.
- E.** To develop community feedback mechanism and formats by which the community can be kept informed about the action being taken by the department after their reporting.
- F.** To assess financial implication of community participation and recommend whether the participation would be voluntary or funded.

Outputs:

1. Report containing draft recommendations on the community outreach modalities.

Task 3: Conduct workshop, training and piloting in select communities:

- A.** Conduct workshops in select communities, along with concerned field division staff, to develop consensus on community participation modalities, and finalize in stakeholder workshop in WRD in Patna.
- B.** To develop a plan for the annual pre-season workshops for ensuring community preparedness, and conduct pilot workshops to improve plan. The plan would include training material to be used in workshop.
- C.** Develop a plan for implementing recommended approach in the basin and to pilot in select communities.
- D.** Pilot in select field divisions to demonstrate and finalize strategy.

Outputs:

1. Report on agreed community participation modalities, after workshops in select communities and stakeholder workshop in WRD.
2. Plan for the annual pre-season workshops (including workshop training material) for ensuring community preparedness, and conduct pilot workshops for lessons, and final plan
3. Report on implementation in the whole basin and for piloting community participation in select communities
4. Report on piloting in select field division and final strategy.



The consultant (JPS Associates) for this assignment adopted a comprehensive approach in conducting this assignment. This approach has been systematic, participative, analytical and rational. Acceptability of the solutions and their sustainability was the cornerstone of our approach and methodological framework. The assignment was conducted by a team of experts possessing considerable knowledge who adopted a fully consultative and participatory approach in the conduct of the assignment.

2.3 METHODOLOGY

The methodology for the assignment consisted of the following parts:

- i. Extensive survey of international and national experience in community participation in disaster management in general and flood management in particular was done.
- ii. Exploratory field visit was undertaken to review the existing communication infrastructure and existing surveillance mechanism.
- iii. Survey for receiving feedback from community and WRD officials on
 - a. Regarding role embankment plays in the life of Community
 - b. Condition of the embankment as perceived by Community
 - c. Risks to embankment health
 - d. Role community can play in embankment surveillance
 - e. Existing information dissemination system
 - f. Probable models of community participation
- iv. Based on the findings and survey and recommendations of community and the department formulated the communication participation mode and approach, protocols and mechanisms for community participation
- v. Went back to the community and WRD in workshop modes at select communities across 4 Divisions and to get a consensus on the developed mode, for action plan for pre-season workshops and training material to be used for conducting training of facilitators of community participation for embankment surveillance
- vi. Finalized the Approach, protocols and mechanisms for Community participation , action plan for pre-season works and strategy for implementing the plan across the basin in a major workshop with key stakeholders at Patna
- vii. Piloted the final strategy in select communities and Water Resource Division and submitted a report on piloting of the final strategy



2.3.1 Log frame of tasks undertaken and completed against activities listed in the ToR of the assignment

Table 1: Log frame of tasks undertaken and completed against activities listed in ToR

ACTIVITIES	PLAN AND STATUS OF THE TASK
Inception level meetings with client and WR Divisions across Kosi and Kamala basin	Met with majority of stakeholders in Patna (FMISC, BAPEPS, Flood control cell, BSDMA, NGOs, WRD officials at Birpur, Nirmali, Jhanjharpur and other Divisions
Inception level meetings with community at the field level to have an idea of what the people think about embankment and their existing involvement in Embankment Surveillance / management	<ul style="list-style-type: none"> • Transect visit was conducted across all the Division and almost the entire stretch of Kosi basin • Consultants conducted FGDs with community groups, PRI members at various places. <p><u>Key findings from inception level meetings:</u></p> <ul style="list-style-type: none"> • People living in close proximity of embankments value embankments as it provides safety, good transportation and stable livelihood. • There is a growing tendency of exploiting the embankment for personal needs • Embankments are at threat due to constant wear and tear, vehicular, cattle movement, rainfall impact, public cuts, and uncontrolled human interference. • Community interaction has given insights that embankment surveillance is currently the departments' prerogative but it appreciates efforts of department to involve community in surveillance matters but would also like to be involved in management part. • However the community at some places informed that it was involved in Flood and Disaster Management and had received some sort of training from NGOs and BSDMA (District units).
International, National and Bihar Review on embankment surveillance	<ul style="list-style-type: none"> • Review pointed out that there is limited literature (International, National or local) in embankment surveillance as such. Literature review outlined experiences of Pakistan, Bangladesh, Sri Lanka, China and Australia, Vietnam and National experiences including Bihar experience



ACTIVITIES	PLAN AND STATUS OF THE TASK
	<ul style="list-style-type: none"> • Embankment Surveillance at the national level are few and far between - Mostly episodic • Most CP models talk about CP involvement in Early Warning System, Flood / disaster preparedness. • Did not find anything worthwhile on CP in ES. Nothing special for enabling a framework for institutional mechanism of CP. <p><u>Some important community participation models reviewed:</u></p> <ul style="list-style-type: none"> • Religious leaders have been utilized to disseminate flood related information successfully • Joint Forest Management (JFM) is a successful model where community participation has seen a lot of forests to be protected from deforestation and the benefits of Non Timber Forest Produces (NTFP) has been shared by community in organized manner. • Internationally Community-based Disaster Risk Management (DRM) activities are well integrated into the daily lives of most Japanese, ensuring that awareness of natural hazards is never far from their minds • In Netherlands, local governments and communities in affected areas served as first responders, managed evacuation centers, and promptly began post disaster reconstruction <p><u>Existing mode of embankment surveillance by Department:</u></p> <ul style="list-style-type: none"> • Community not involved in ES currently, but are appreciative of departments efforts to involve community both in its surveillance and management • Embankment surveillance is done by department by employing home guards during May to September/October as per SOP • Community participation in ES should be a group approach through committees rather through individuals and it should not be only department's initiatives. Community should be made equally responsible
Prepare a framework for field	<ul style="list-style-type: none"> • Prepared the framework for data collection and field



ACTIVITIES	PLAN AND STATUS OF THE TASK
visits and data collection on embankment surveillance modes and methods across the Kosi and Kamala basin and prepare tools for data collection from the community and client	<p>work.</p> <ul style="list-style-type: none"> • Developed tools and shared it with the FMISC, BAPEPS and other officials. • Translated tools in Hindi.
Conduct sample surveys of communities along embankments, and concerned field divisions on the most effective modalities of community participation in embankment surveillance in normal times and during flood, to patrol and send localized embankment reports to EAMS. The survey may include community level flood risks, motivation for participation, institutional setup, communication infrastructure at the community level, functional status and efficiency community skill set.	<p>Completed.</p> <p>Main highlights</p> <ul style="list-style-type: none"> • Survey included 1020 families from 100 villages across 10 Divisions covering both Kosi and Kamla basins • (85%) perceive Embankment as their a lifeline • For 71% presence of embankments has enabled carrying out agricultural activity in all the seasons • For 79% it has brought prosperity in the area and increased the living standards. • 81% reported that embankment surveillance is conducted by department during May to October • Attempts to strengthen embankments should not be confined just before the monsoon season but on regular basis all through the year. • Community participation should be ensured in ES as well as all other works done on the embankments. • Information of all the important contact numbers of Government officials must be painted at public places in the villages near embankments. • Need for capacity building of ES Committees on technical aspects and reporting • Help from Dept. and Govt. is sought for removing houses/shops and big trees on the embankments. Community is clueless of procedures • Mobile application and SMS gateway most appropriate mechanism for info sharing
To suggest community participation modes in embankment surveillance in normal times and during flood to supplement the institutional efforts	<p>Completed.</p> <p>Highlights:</p> <ul style="list-style-type: none"> • Agreed modality is through G.P level Embankment Surveillance committees constituting 9-15 members



ACTIVITIES	PLAN AND STATUS OF THE TASK
and recommend how the Panchayati Raj Institutions would be involved.	<p>(women , people from marginalized disadvantaged section, WRD official and at least one PRI member representation to be ensured)</p> <ul style="list-style-type: none"> • Committee will work voluntary but department has to invest on training and capacity building of the committee • Committee to have regular meetings and the department officials should be in touch of the committees
To recommend the nature, contents and format for community reports, based on visual observations of embankment condition and river flow. Community reported embankment and river status data will be integrated with EAMS for developing the maintenance and planning module. The consultant would refer Bihar check list finalized for inspection of embankments.	<p>Developed the mechanism/module for community reporting and its integration with EAMS.</p> <p>Highlights:</p> <ul style="list-style-type: none"> • According to the module, alert message (coded as WRD 1A to WRD 4A, depending upon severity of the threat) will be sent to a mobile number 56161 (currently not TOLL FREE but will be converted to TOLL free later on) from preregistered mobile numbers of different committee members. These numbers have been already incorporated in the data backup of K-EAMS • The K-EAMS will send an acknowledgement and thanks message to the sender and a case id will automatically open in the K-EAMS CP page • Simultaneously the message may be transmitted to Executive Engineer (EE) of respective division of the sender. The message will have details of the sender and the alert. • The EE will initiate necessary action and the action taken will be posted on the CP page. Simultaneously status report will also be communicated to sender
To recommend modes of information flow to different identified recipients including BAPEPS, EAMS, FMISC, FMC and field WRD offices during non-flood and emergency situations.	Information flow structure has been developed in consultation with EAMS consultant with inputs from FMISC specialists. Details of model discussed above
To develop community feedback mechanisms and formats by which community can be kept informed about the action being taken by the department after their reporting.	This has been developed in a workshop mode inviting officials from WR Field Divisions, FMISC, BAPEPS, BSDMA, EAMS, community representatives
To assess financial implication of community participation and recommend whether the	While community participation would be largely voluntary, however, there could be components like one-time cost and recurring expenditure on account of formation of groups and in

ACTIVITIES	PLAN AND STATUS OF THE TASK
participation would be voluntary or funded	<p>organizing training and workshops. These costs have been worked out and provided in the report.</p> <p>The financial outlay proposed in the 3rd deliverable was commented to be under-valued and so a revised financial budget has been proposed in draft report</p>
Conduct Workshops in select communities, along with concerned field division staff, to develop consensus on community participation modalities, and finalise in stakeholders workshop in WRD Patna	<ul style="list-style-type: none"> Community participation modality has been worked out with detailed protocols Regarding developing consensus on Community Participation modalities and providing handholding support to the communities it must be mentioned that 4 Field mobilisers (adequately trained in community mobilization) had been active in Birpur, Nirmali and Jhanjharpur Divisions since August,2015 till the first half of January (post the field survey). Each of the field mobilisers have conducted at least 2 meetings of the VLESCs and GPLESCs during the period and have formally formed 30 VLESCs and 15 GPLESCs. All these committees have got basic training on Embankment Surveillance. The committees have been formed with consent of PRI members and most of the committees have representatives of the PRI as well. The Community participation modality was discussed in select communities with WRD field Division staff in 3 major Workshops at Birpur (16.06.2015), Nirmali (19.12.2015) and Jhanjharpur (23.012.2015) where in more than 200 representatives of Village level Embankment Surveillance Committee (VLESC) members and Gram Panchayat Level Embankment Surveillance Committee (GPLESC) members participated. About 50 officials from WRD field Divisions also participated. A workshop on developing consensus on Community Participation modality and discussing “Action plan and a Strategy for Community participation modes” was held in Patna on 04.01.2016. In these Workshop people representatives from all the 4 select Divisions, officials from WRD, BAPEPS, FMC and NGOs participated. The community participation strategy namely “Engaging VLESCs and GPLESCs for Embankment Surveillance and maintenance” was discussed in detail.
I) To develop a plan for annual pre-season	<ul style="list-style-type: none"> Plan for annual pre-season Workshop has been worked out in consultation with FMISC and other officials of WRD.



ACTIVITIES	PLAN AND STATUS OF THE TASK
<p>workshops for ensuring community preparedness and conduct pilot workshops to improve plan.</p> <p>II) The plan would include training material to be used in the plan.</p>	<ul style="list-style-type: none"> • Training material for a) TOT and b) for community has been developed • The training materials were also demonstrated in the 3 Workshops at the field level and the Workshop at Patna. Infact the training material is in Hindi and has been found to be useful by both the WRD officials attending the Workshops and the Community could easily understand and relate to it during the Workshops. • The Training materials also contain an illustrated list of alerts /messages in Hindi that need to be communicated to the Department through SMS portal (toll free number) in event of observing any threat to the embankment safety. • A meeting with LEA Associates staff associated with K-EAMS and a WRD FMISC IT official was held in Patna on 29.12.2015. During the meeting the message list and modality of receiving SMS messages through a toll free number and incorporating the messages into mainstream K-EAMS was discussed in detail. It was decided that JPS provide the message list and the phone numbers of the VLESCs, GPLESCs and Federation Level ESCs with the K-EAMS consultant. The details of Phone numbers and messages were shared with the K-EAMS officials
<p>Develop a plan for implementing recommended approach in basin and to pilot in select communities</p>	<ul style="list-style-type: none"> • Piloting was done in 30 villages, 10 villages each from the three WRD divisions of Birpur, Nirmali and Jhanjharpur. • Villages have been selected considering factors such as cooperation from PRI members, mix of vulnerable and non-vulnerable ones and also connectivity to some extent. • For the remaining Divisions implementation is to be done by Department according to the Protocols and mechanisms developed under this assignment. A list of remaining Divisions and proposed GPLESCs across the whole Kosi basin has been provided in the report.
<p>Pilot in select field divisions to demonstrate final strategy</p>	<ul style="list-style-type: none"> • Based on the inputs received from 3 field level workshops and a workshop in Patna, the final strategy was pilot tested in the field from 07.01.2016 – 11.01.2016. During this pilot the following was field tested. <ul style="list-style-type: none"> a. Training materials b. Illustrated list of alerts /messages that need to be communicated to the Department through SMS portal (toll free number) in event of observing any threat to the embankment safety. For piloting purpose messages were sent to a pre-determined number 516161 provided by the WRD. 20 coded



ACTIVITIES	PLAN AND STATUS OF THE TASK
	<p>messages from the VLESC members and GPLESC members were received on this number. The first pilot was held in the month in December and the final pilot was conducted from 15th to 19th February, 2016.</p> <p>c. During the pilot period consultant has instituted alert messages via tin hoardings and flex boards in three different divisions namely Birpur (Bhagwanpur, Bhimnagar, Satanpatti, Ratanpur, Chitihi Hanumannagar, Bhaptiyahi). Nirmali (Dighia and Dagmara) and Supaul (Chandrayan) and one board in the office of Executive Engineer (Birpur Div II).</p>



2.3.2 Approach to the assignment - Process adopted for conducting the assignment

2.3.2.1 Inception level activities and firming of design and tools to conduct the study and the initial findings:

The conduct of assignment was initiated by intensive literature review on various dimensions of disaster management in general and flood management in particular as it is practiced globally and within India. Experiences from the developed as well as the developing nations were reviewed during this survey and it enabled us to form the crux of understanding that constitutes community participation. Summary of this understanding has been shared above and details of literature survey have been presented in the **‘Inception Report’**. Extensive interaction with various stakeholders that includes FMISC, FMS, BAPEPS, SDMA and field level functionaries of WRD and select members of the community in the focused area helped the consultants to form the initial understanding with regard to existing mechanism of flood management and embankment surveillance.



Figure 3: FGD with community members at Simri

Interactions with officials’ reveals that the WRD, Govt. of Bihar has very clear guidelines for the field staff as mentioned in the Standard Operation Procedures (SOP) where in it has clearly spelt out its mandate for embankment surveillance. The document states the timings of visits of Civil and Mechanical Engineers and Erosion control committee to the embankments during the month of September every year. The SOP says that the Chief Engineer will also have to prepare a list of all vulnerable areas and notify it to the respective division so that guidelines for the surveillance of embankments (specific to the concerned area) can be prepared beforehand. All these practices occur in the month of May. The roles and responsibilities of various field level functionaries are clearly defined in the SOP. The role community can play in embankment surveillance, however, only marginally occur in the existing guidelines.

Literature regarding community involvement in embankment surveillance as such is very limited. The Consultant during its preliminary field survey tried to find out ways through which people residing near the embankments safeguarded their interests during emergency situations and in normal times. Some of the key points that were apparent to the consultants during this preliminary survey were:



- i. People provided safety from the embankments value its importance in their lives.
- ii. Embankments have helped communities to make important decisions about their livelihoods. For example, knowing that they are secure from floods has enabled people protected by embankments to make plans to invest in fisheries, plant certain crops, and send their children to schools in affected areas.
- iii. People's growing dependence on embankments has reduced their willingness and ability to fight floods. As a result, in some instances communities are not sufficiently prepared when embankments breach and trigger large floods.
- iv. Embankments are seen as safety abodes by people living in the vicinity during flood periods.
- v. Flood warning system in the present is somewhat inadequate at the level of community. Though WRD give information regarding water level in the rivers at regular intervals through various media forms, however, this information is not widely consumed by common masses. Some people predict flood by watching the clouds and the rain. The news of floods is also communicated to them by friends or relatives or acquaintances from Nepal who informs them if it rains heavily in Nepal. This information though is anecdotal.
- vi. Awareness of community on flood forecasting and warning as well as information dissemination is inadequate. Whatever information the community gets is at the last moment. Source of information is usually through the WRD official (home guards) or some NGOs active in the Disaster Risk Reduction programme run by UNICEF.
- vii. The communities have no collective pre-coping mechanism. All the activities are done on individual basis.
- viii. There is no permanent flood management committee in the communities. However, they form an ad-hoc committee when river training works (with support from the government agencies) are to be constructed.

2.3.2.2 Finalization of tools for the conduct of the survey:

The tools (Questionnaires for Household level interaction, FGDs with PRI members/ general population, FGDs with WRD officials at the field level, and officials of BAPEPs, FMISC, FMC) submitted during the Inception report for the survey were discussed and deliberated in a 2 day workshop mode in FMISC conference hall. All experts from consultants and representatives from FMISC and

BAPEPS participated in the



Figure 4: Training of Field Surveyors on Survey at FMISC, (4-5 June, 2016) Patna



workshop and the tools were refined, translated and printed. The survey team members were also imparted training on the tools for data collection.

2.3.2.3 Methodology for selection of villages:

The list of villages from Kosi and Kamla Basin for the conduct of survey was done in a very systematic manner. It may be noted that the list of villages was decided in consultation with the FMISC, FMC, and was submitted in the inception report itself. To reiterate:

- The consultants procured the list of vulnerable villages for the assignment from the list of vulnerable points mentioned in ‘**Barh Gasti Niyamavali**’ prepared by Chief Engineer every year. The list prepared by the consultant is based on the vulnerable points identified in ‘Barh Gasti Niyamavali’ for the year 2012 to 2014 of the Kamla Balan Embankments by Chief Engineer, Samastipur. Similarly for the Kosi Embankments vulnerable villages are identified according the vulnerable areas pointed out by the ‘Barh Gasti Niyamavali’ of Chief Engineer, Birpur for last three years. On site, some villages were also changed on the advice of the community leaders on feasibility grounds; however the variation was not significant.
- In addition to this the Consultants used GIS maps provided by FMISC and FMC for finalizing the list of villages for sample survey.

2.3.2.4 Sample and Sample design

During the field visit the sample and sample design for field data collection was discussed with the WRD officials. The exact sample size discussed and finalized was as following:

- 100 households from each division were considered for data collection. Since there are 10 Divisions the total sample size was 1000 households.
- In each division data was collected from a minimum of 10 villages (7 vulnerable villages and 3 villages which are not so vulnerable) on the basis of random sampling.
- Care was taken to see that the households from which data is being collected are representative in terms of, economic and other demographic considerations.
- It was also attempted by the survey team to cover as many women as possible who were present during interactions with community members.
- Apart from the household sample, the Consultant also conducted 3 FGDs in each division to study the role the community/ PRI can play in embankment surveillance and maintenance.
- Besides, three workshops (with key WRD officials, officials from BAPEPS, FMISC, and EAMS) were also organized at Birpur, Jhanjharpur and Patna to take their feedback on key objectives of the assignment and their suggestion on the possible modality of partnership with community.



2.4 Survey and its findings

2.4.1 Findings from the in-depth interview schedules with community members:

The survey was carried out through two interrelated strategies one by getting community members opinion on individual basis done through random sampling and the other by culling out information through focused group discussion (FGDs).

Of the 1020 households covered during the survey roughly 77 percent were covered in the Kosi basin and the remaining 23 percent were interacted in the Kamala basin. The high density of population in the eastern embankment of Kosi due to its coverage by the Kosi command area is the main reason that more than half of our respondents come from that area. For 83 percent of the respondents in Kosi embankment the proximity of embankment to their place of residence was less than 1 kms, in Kamla Balan 85 percent of the respondents reported residing within 1 kms. of the embankment. In spite of the best efforts of the Consultant to interact with greater number of women only 11 percent of the total number of respondents in Kosi and Kamala were female. This can be attributed to male dominance of the social structure, absence of any awareness mobilization among women in the area and the nascent state of sporadic instances of women SHGs initiated in the area at the behest of Bihar Rural livelihood Promotion Society (BRLP) or Jeevika. People from all castes and classes were covered by the survey team and our sample size is quite representative of the demographic structure in the area.

We list below some of the main observations of the people on some select issues that are of relevance for the objectives of the present assignment.

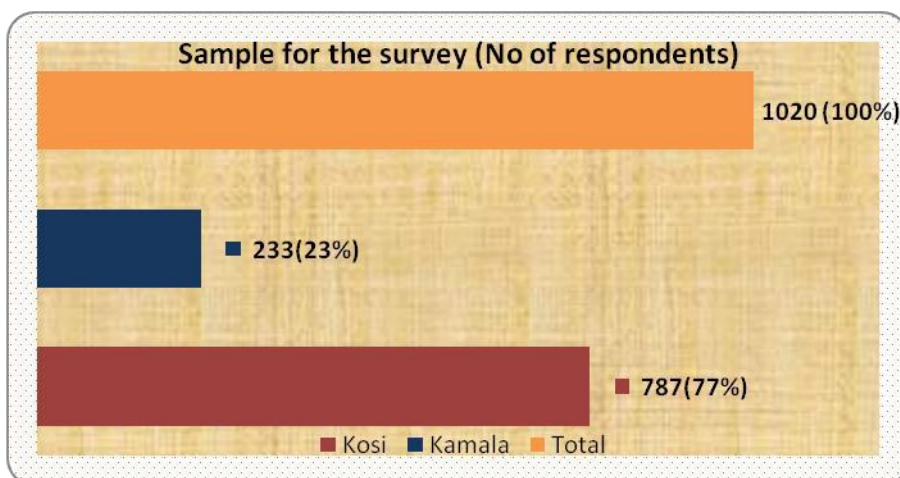


Figure 5: A surveyor in conversation with community member at Nemua



- **Existing Sources of Information, Mechanism of Information flow & People's Responses**

Majority of the population in the areas depend on their own sources of information which, however, rudimentary appear to be only source for a large segment of the population. These sources ranges from personal observation of river flow, amount of rainfall, communication from relatives living in Nepal and casual overhearing of news from various sources. Radio and TV appear to be quite popular in the area as most of the respondents seem to be in possession of these equipment's. Among the government agencies the information provided by the State Disaster Management Department on floods and flood alerts were rated by most of the respondents to be moderately helpful in alerting them to floods and flood risks. May be because of the absence of any NGOs in the vicinity of the embankment majority of the respondents said that they have never received any form of alerts on floods or flood risks from the NGOs. In this overall scenario it is quite natural that nearly 77 percent of the respondents covered in Kosi and Kamala basin expressed their dissatisfaction with the current warning system on floods and associated threats to the embankments.

- **Local Community & Embankment**

There are no two opinions among the people living near the embankments and provided protection by it about the benefits accruing to them after erection of the embankments. Construction of pucca houses, adoption of crops that otherwise would have been unthinkable in the area are all reminders of how protection provided by the embankments have changed their life. Embankments also provide the people safety abode in the eventuality of floods or its threat. Majority of the respondents both in Kosi and Kamala Balan feigned ignorance about the probable threats to the embankment.

- **The prevailing system of information flow from community about the embankments**

Despite the absence of any organized mechanism of information flow in the present, people seemed to sending alerts in cases when they notice any damage to the embankment. In the present it appears that people seem to be sending information about threats to embankments to various sources to whosoever appeared to them to help in taking remedial action. It was also revealed to the survey team that in the present some people having acquaintance with the political leaders and bureaucracy also tend to send information directly to them in cases they notice any problem with the embankments. People pointed to several mediums through which they communicate information regarding embankment health to various sources in the present. These mediums ranged from personally meeting the relevant officials and communicating to them about the problems they have encountered in the embankment to making phone calls.

- **People on the embankment and their existing role in its Surveillance & Maintenance**

On being queried about the existing system of surveillance of the embankment, majority of the respondents concurred that it is being done by the WRD which is solely responsible for its upkeep and maintenance. Only 10 percent of the respondents said that it is also done by community



members. Perhaps they were referring to such cases as during the rainy season when the threat to embankment is very high and people from the community bordering the embankment keep a constant vigil against any danger. More than 80 percent of the respondents felt the need for regular surveillance of the embankments. As many as 15 percent of our respondents said that the issues relating to safety of the embankments have been discussed during the Gram Sabha meetings. Moreover, more than half of the respondents also responded positively to the suggestion that Gram Sabha/PRI institutions can play an important role in providing surveillance of the embankment.

- **Existing System of Communication and People's suggestion on Information Mechanism**

Currently it appears that people seem to be sending information about threats to embankments to various sources to whosoever appeared to them to help in taking remedial action. It was also revealed to the survey team that presently some people having acquaintance with the political leaders and bureaucracy also tend to send information directly to them in case they notice any problem with the embankments. As of now more than one fourth (27%) of the respondents seem to be informing the PRI members and Water Resource Department about any possible threat to the embankment. These mediums ranged from personally meeting the relevant officials and communicating to them about the problems they have encountered in the embankment to making phone calls. Some respondents with internet facility also said that they have written e-mails to concerned officials when they have noticed any problem in the embankment.

“Majority of the population in the areas depend on their own sources of information which, however, rudimentary appear to be only source for a large segment of the population”.

Table 2: Where do people inform if they notice any threat to embankment

Place / official whom people inform if they notice any threat to the embankment	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Inform PRI members and WR Department	154(26)	55(28)	209(27)	34(31)	29(24)	63(27)
Inform the PRI members	104(17.6)	34(17)	138(18)	11(10)	20(16)	31(13)
Inform the WRD official (Home guard/ Divisional official)	105(17.7)	10(5)	115(15)	29(26)	24(20)	53(23)
Inform the NGOs	50(8.4)	23(12)	73(9)	0(0)	7(6)	7(3)
Any other (Please specify) Inform district officials	93(15.7)	29(15)	122(16)	16(15)	4(3)	20(9)
Inform Both Department and District officials	114(19.3)	17(9)	131(17)	4(4)	8(7)	12(5)



An overwhelming majority of roughly 85 percent of the respondents are in possession of mobiles which is actually the most important tool for them to interact and communicate. Much to the surprise of the survey team 20 percent of the respondents also reported having access to internet services. It was revealed to the survey team that nearly 15 percent who reported having access to mobile services were in possession of smart phones with internet connectivity. The other noteworthy thing to bring in here is that roughly 20 percent of our respondents reported having phone numbers of officials who are needed to be informed if they happen to notice any threat/destruction to the embankment or any other issue which they perceived was important to maintain the good health of the embankment.

Most of our respondents felt that there is an urgent need of free helpline number for communicating effectively with the concerned department where information could be given promptly, when anything untoward is noticed. Though given the present state of information and knowledge which community members possessed the idea of a mobile app for communicating effectively was somewhat strenuous to digest, nevertheless a good number of nearly 20 percent of the respondents seemed to favour the idea of a mobile app wherein while communicating any message/picture to the concerned department all the details of geographical location,



Figure 7: FGD with women (SHGs) in progress at Baptiyahi (EKE), on 12th June, 2015

condition of embankment could be effectively sent. Aided by such tools of communication as mobile and internet most of our respondents felt that if the WRD desires they can be effectively associated in embankment surveillance. They also realize that such a measure in protecting the embankment will also be in their long term interest.

2.4.2 Stakeholder's Workshops and the Emerging Issues:

Subsequent to the field survey to gather views of the community members, workshops were organized by the consulting firm at Birpur, Jhanjharpur and Patna to elicit the



Figure 6: Consultation with WRD officials at Jhanjharpur II

opinion of WRD field level

and headquarter level functionaries. Some of the key dimensions on which people expressed their views in these workshops can be summarized as follows:

1. Embankments and its benefits

The community fully recognizes the importance of embankment in providing them security from frequent incidences of floods and submergence. It is the assurance provided by the embankment that has enabled them to construct more durable houses and do organized planning for their agriculture. They were also quick to understand the argument that if they are the prime beneficiaries of the embankment they are also the first to be hit in any eventuality of a threat to the embankment.

2. Surveillance of embankment and people's role

People at most of the places concurred and were aware that the Department of Water Resources does the surveillance of the embankments in the present. The patrolling for surveillance is particularly intensive during the rainy season, repair works are mainly done during the pre-monsoon period and some works are also undertaken as flood fighting measures. People also displayed sensitiveness to the fact that due to long stretches of embankments it sometimes becomes difficult to keep round the clock vigil. They also cited examples when they have provided assistance to the department in flood fighting measures to protect the embankments.

On their part people usually remains watchful of river behavior during the flood season. Whenever there is a rise in the water level of the river villagers residing in nearby areas throng to the embankment, stays there even during night and monitors the river behavior. If they feel that there is an impending threat to the embankment safety, they bring the matter to the notice of Panchayat head (Mukhia) and also sometimes to the WRD personnel if available at the site for onward transmission to the concerned officers. It can be seen that though disorganized, however, an element of community surveillance is already there during the critical period of flooding.

3. People's suggestion on Community Surveillance Mechanism

To a query posed to the community as to how this could be organized, they responded by saying that one of the committees under the Panchayat can be assigned the work of community surveillance of the embankment. If such committees do not exist in some Panchayats, then it can be formed by inducting persons drawn from different sections to make it broad based. Such members of the committee, however, should be available in their villages during the flood period and remain mindful of their responsibilities.

People wanted that telephone nos. of concerned officers be displayed at the common place eg community centre, schools, *Panchayat Bhawan* etc. to enable the members to pass on the information about the impending danger to the concerned officers immediately for taking appropriate action.



4. People's expectation

If the community is made aware of protection works being executed on the embankment, they would not only cooperate in smooth execution of the works but this will also instill a sense of belongingness on part of the community with respect to the embankment. It is also felt that this practice will not only bring transparency in the work of WRD but will also heighten its credibility in the eyes of the people and instill confidence among them in partnering with it in embankment surveillance and other associated works. Therefore, there is a need for some openness on part of WRD. This can be achieved by opening dialogue with the community through Panchayats and taking them in to confidence prior to execution of works. Further agency selected for execution of works should to the extent possible employ local laborers and source materials locally.

The Committees formed for surveillance can become the nodal point for getting reliable labour and also impart training required for carrying out the specialized tasks of embankment repair and maintenance.

5. Provision of communication & other gadgets

Even though most of the community members own mobile phone and in many cases some of them also possess smart phones, which they can use for communicating with WRD/Civil authorities, but it is also possible that for majority of the time their hand set may lack features necessary to capture picture and pass on the same to the concerned officer. Picture will depict extent of criticality of the impending disaster. Mobile handsets/Tablets with feature to capture pictures and transmitting to department may be needed to be provided to the committee members selectively. Similarly, provision of a toll free number to community to communicate with the authority without bothering for the cost will go a long way in establishing two way communications with the people. Establishment of two way communication between the WRD and community would also act as an assurance to the people that their communicated messages is receiving due attention.

2.4.3 Summary of issues suggested from survey and FGDs

1. **Group formation for information flow:** In general everybody ratified the proposed strategy of the consulting firm to form groups among local communities for exchange of information. In general majority of the participants felt that the reliability of information received through this mechanism will be far greater as compared to receiving information from individual community members.
2. **Dissemination of Department's Coordinates among people:** The participants were of the view that for convenience of people telephone nos. of concerned officials be displayed at the common places in various localities.
3. **Awareness Programme & need for regular interaction with the community:** It emerged during the discussions that **awareness programme** needs to be organized in Kosi and Kamala area to make community aware about the importance of the existing embankment.



4. **Need for greater transparency** Participants in the workshop were appreciative of the idea of bringing greater transparency in the maintenance works undertaken on the embankments. Most of them agreed that such a strategy will also help in winning the confidence of the people and exhibiting the sincerity of the department in embankment management.
5. **Need for aligning the community integration strategy with requirements of K-EAMS** The present Consulting Firm was advised by some of the experts from FMISC to design the approach, protocol and mechanism for community participation in manners that is also supported by EAMS.
6. **Need for Proper Maintenance of embankment** Participants in the workshop were of unanimous view that embankments on both the river systems should be rehabilitated fully meeting all the parameters to make them safe assets, otherwise community would go on reporting to the authority continuously about the shortcomings of the embankments.



3.0 COMMUNITY PARTICIPATION PROGRAMME - FINAL APPROACH, PROTOCOLS AND MECHANISM FOR COMMUNITY PARTICIPATION UNDER THE ASSIGNMENT

In our discussion of what constitutes the crux of community participation programme as gathered from literature survey on community based disaster management in general and in community participation in flood management we have tried to highlight some of the key issues. It is important to recapture some of the main points here before we dwell on the possible modes of community participation in different circumstances.

- ▶ Based on the existing models of community participation world-wide it has been argued that it has to be seen not merely as means to enable the people to get, through mutual – help initiatives and possibly with outside help, the basic needs which, otherwise, would elude them, but also a mean to influence decisions about issues affecting them.
- ▶ In some of the standard definition community participation process is identified as an instrument of empowerment.
- ▶ It is argued that development should lead to an equitable sharing of power and to a higher level of people's, in particular the weaker groups', political awareness and strengths.
- ▶ While these and related details may not be of relevance here, this brief conceptual understanding has been brought in here to drive two related points:
 - a) Firstly, while visualizing community participation or drafting its modality we cannot think about the component where members of community are envisioned as mere messengers.
 - b) Secondly, any mode of community participation has to strategize ways where community becomes an active stakeholder and such strategies are designed in manner that can sustain their participation for longer duration.

This conceptual understanding is important to justify a series of measures required for better governance of embankments and integration of community participation for its surveillance. We, however, emphasize that all the suggested measures are based on our intensive interaction both with the communities all along the embankment systems of Kosi and Kamla and also with different stakeholders within the Water Resources Department.

3.1 The Approach to Community Participation Programme

Cases of top down and bottom's up approach exist all over the world in different initiatives involving community participation. In general, it has been observed that initiatives thrown by communities themselves on self-help are more successful and sustained one's. However, the innovativeness of EAMS and given the technicalities involved in embankment management in general and its surveillance in particular, one cannot help but initiate the process from above. Hoping that once the process of community participation takes some direction and roots, modifications in it can be made through engagement by communities at stake.



3.2 Formation of Committees/Groups among select communities:

As pointed out earlier in isolated instances of department personals taking help from identified individual's for getting communications about embankments health that there has been cases of either miscommunication or receiving wrong information. This, we feel is primarily the result of absence of any sense of responsibility in such identified individual's towards the larger interest of community and embankment. In the absence of any formal arrangement of reporting sender's of wrong information cannot be faulted. However, creation of formal arrangement for communication will not only instill a sense of responsibility among community members but will be of great help for the department as well who can be assured about the veracity of such communication.

Towards this objective different stakeholders have had different opinions. **Based on the inputs received from the community and the feedback we received from the WRD officials, officials from BAPEPS, FMISC, BSDMA, we strongly recommend formation of committees/groups in selected locations.** The strategy has full ratification of the people surveyed along the Kosi and Kamla embankments. Most of the respondents felt that if the responsibility of embankment surveillance and other aspects of its management are entrusted to groups/committees they will act in a more responsible manner and it will also help in representation of all voices and concerns of the area. The local committees will serve the purpose of information sharing, information flow during both the normal times and also during flood.

The Consultant proposes the following modes towards community participation:

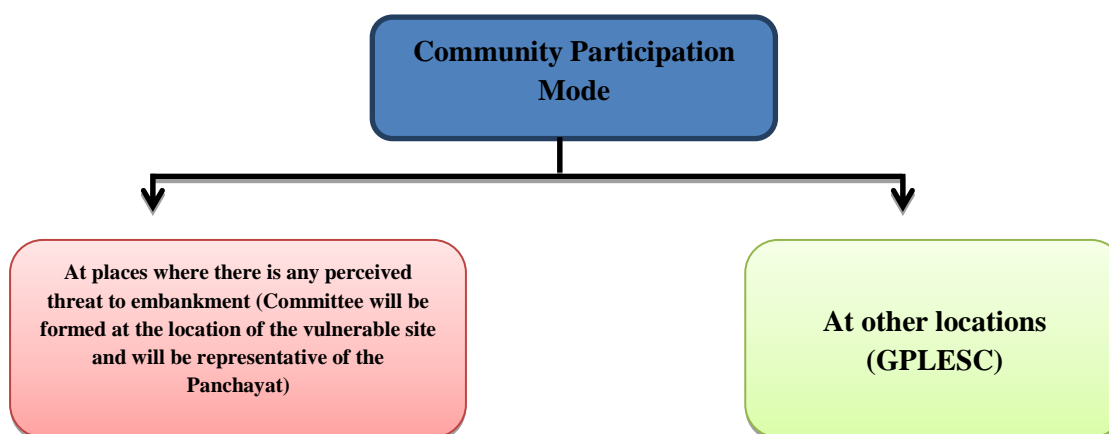


Figure 8: Community participation modes

It is important to underline here that the Consultant have focused on the process of surveillance committee formation at the Gram Panchayat level here since the department feels that in the initial stage it will be more appropriate to deal with GPLESC. It needs to be emphasized, however, that in case the department feels the need for Village Level Embankment Surveillance Committee (VLESC),



formation of surveillance committee at the village level need to adopt the same procedure for group formation and other suggested activities as outlined below:

3.2.1 Process of formation of committee:

The concerned divisional office of the Water Resources Department will have to identify areas where there are threat and areas where there are no threat to embankment during his normal field visit or from the feedback from home guards in position. With the help of local NGO / PRI members/ Home guards in the identified areas which are under threat the Junior Engineer will:

- Organize village level preliminary meetings with the village community/ SHGs or any other existing peoples' organization in the village. This will be done before the onset of monsoons (preferably during February – March) of the year.
- Two preliminary meetings will have to be held before the committee is actually formed.

3.2.2 Protocols for group formation

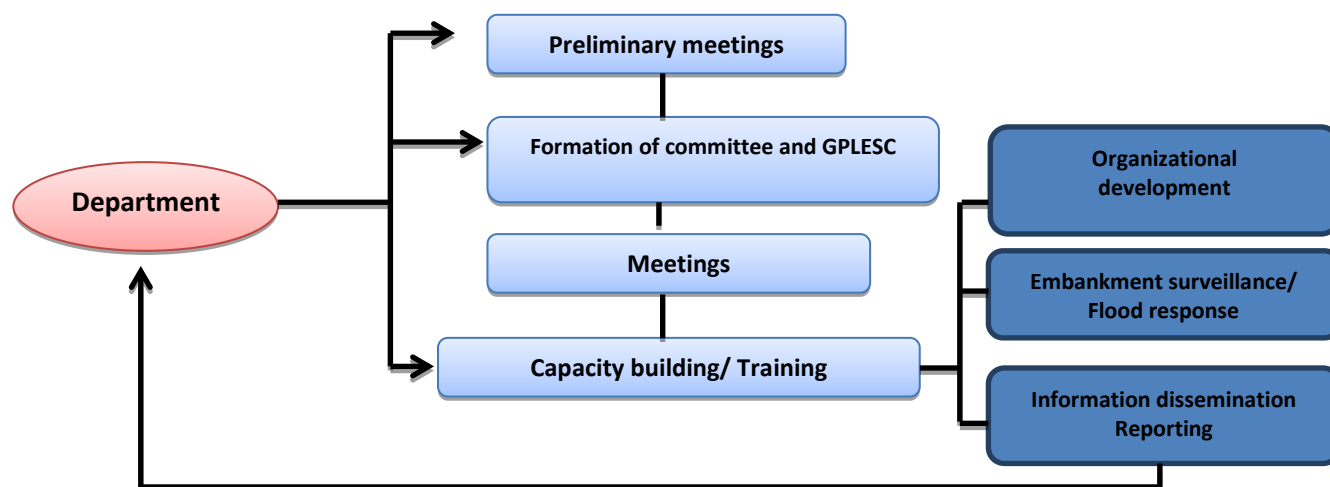


Figure 9: Protocol/mechanisms of group formation

- Group formation will require careful representation of all sections of population in the area.
- Extra care needs to be taken to ensure women, representation of vulnerable and marginal sections of the population. This will make them feel part of the entire process.
- It is also mandatory for one member from WRD and one PRI member (Ward member/ sarpanch or any other) to be a member of the committee.
- For GPLESC representation must be made from all villages/ vulnerable villages under the G.P
- Regular meetings of the committee/group will be required to sustain their interest in the entire process.



- v. It is proposed by the consulting firm that the field level functionary of the WRD from time to time should initiate and be present in group deliberations to bridge the current gap in communication between the department and the community.
- vi. Such interactions will also be useful for the department to discuss the on-going and up-coming works for maintenance of the embankment to assuage the curiosities and apprehensions of the community with regard to such works.
- vii. The forum can also be utilized for imparting training on various aspects of embankment surveillance and maintenance.
- viii. The process, it is hoped will help in ensuring an informed participation of community in embankment surveillance.

3.2.3 Membership of the Committee

Members of the committee must be fairly representative of all the castes and classes in the area. Effort should be made to have at least one third members being women.

3.2.4 Meetings:

Timing of the meeting:

The VLESC/GPLESC will have to hold regular meetings and the proceedings of the meetings have to be recorded.

- i. Initially the GPLESC will have to meet on a weekly basis (during formative stage only)
- ii. Once the capacity building is over they can meet on a monthly basis or quarterly depending on the situation.
- iii. A month before onset of monsoon the VLESC will have to meet weekly.

3.2.5 Purpose of the meetings:

In the preliminary meetings issues such the importance of embankment in context to the lives of the community, embankment management and protection for safety etc. will be explained. The junior engineer may like to take the villagers/ some PRI members/ members of SHGs to the vulnerable points in the embankment and show them the threat factors.

3.2.6 Capacity building/Trainings for empowerment of the committee formed

Once the committee is in place and regularity of meetings is maintained the department can think of strengthening the committees by imparting trainings. Training can be on dimensions of purpose of group formation, embankment and its importance and how to keep it safe, flood preparedness and information flow mechanism. Regular interaction between community representatives and



department is of vital importance towards bridging communication gap between them and will also help in making the community participation modality sustainable.

3.3 Protocol for Community- Department Interface

Though people do realize that embankment is for their safety and has enabled them to earn their livelihood in a more secure environment, however, in the present system of embankment management by the department they feel distanced from its affairs. As such the primary function of embankment of providing protection to people has taken a back seat in the minds of general people sparing few months of monsoon. It is important to regenerate the interest of the community for their round the year interest in embankment protection. People need to be brought in the center stage of embankment management not only for the proposed participation of community in embankment surveillance but also for its more efficient management. Some of the measures suggested by the present Consulting Firm for consolidating the interaction between the WRD and community members are provided below:

- i. Regular interaction in the form of meetings with community members on aspects of embankment safety, eliciting community's suggestions for improvement of embankment management is of vital importance. It is important for the department to ensure that in such meetings field officials at different levels are present on different occasions.
- ii. These frequent meetings will help in bringing the department closer to community's aspirations with regard to embankment management and will also help in allaying several of the existing apprehensions on both sides.
- iii. The WRD should explore the possibility of bringing greater transparency in the maintenance works undertaken in the embankment and try to adopt procedures of construction and maintenance adopted in other road and bridges project. This measure has the potential to allay misplaced grudges of the people with regard to functioning of the department for the various works undertaken for embankment maintenance. In the long run this will enable the department to command greater respect of the people near the embankment.



3.3.1 Community participation modes in normal times and during floods

Table 3: Community role in normal times and during floods

Role	During Normal times	During Flood season
<u>Preparatory stage:</u> Planning for embankment surveillance	Meetings to be held during /May and September	Meetings to be held with community before TAC, AEC meetings
<u>Awareness building in the community:</u> <ul style="list-style-type: none"> • Create awareness on ES , EWS, flood preparedness, disaster mitigation • Create awareness on flood warning, classification of floods based on intensity and threat, safety measures (indigenous measures), creation of common resources such as tarpaulins, lantern, floating bags, grain banks, places of safety etc. Creating awareness on officials to be contacted during vulnerable periods • Involving community in activities related to reducing community irritation during execution of works during and after floods or any emergency or even at normal times 	Quarterly activity Quarterly activity Quarterly activity	Daily - Intensified through loudspeaker – camp mode -do- Daily
<u>Patrolling</u>	Weekly patrolling	Daily patrolling
<u>Updation of perceived threat situation to embankment (condition of embankment)</u> (Identify threats to embankment health (Rat holes, cuts, breaches) with location specific information - relative distance (RD) wise	Monthly activity	Updating required daily, even hourly messages will be of importance
<u>Communication of relevant messages:</u> Communicate reliable information (coded/digital/photos) needed by the Department in proper , organized manner periodically on a monthly basis during rainy season / vulnerable periods)	Fortnightly/ Monthly activity	Daily activity
<u>Arranging for local labour during execution of embankment maintenance works</u>	As and when required	Daily activity – in emergency - immediate



3.3.2 Capacity building/Trainings for empowerment of the committee formed

Once the committee is in place and regularity of meetings is maintained the Department can think of strengthening the committees by imparting trainings. Training can be on dimensions of purpose of group formation, embankment and its importance and how to keep it safe, flood preparedness and information flow mechanism. Regular interaction between community representatives and department is of vital importance towards bridging communication gap between them and will also help in making the community participation modality sustainable.

3.3.3 Format & content for community reporting

The format & content for community reporting has been designed to keep the entire process in a structured manner and present the participants with well-defined parameters. This will hopefully keep the process simpler and encourage participation by the community.

- The Format and its content for Community Participation have been designed following the LIS of USACE.
- The idea here is to put together all possible problems that an embankment generally has to face during flood and normal period.
- The messages contained in the format for community reporting are mostly non-technical in nature.
- They have been phrased in a manner so as they are easily comprehensible to common masses who are living in the countryside of the embankments.

The Hindi translation of these alerts will be displayed on big hoardings at key locations in the embankment selected with due consultation of the field level functionaries and community members of the concerned area. Further, they will also be pasted in the Panchayat Bhawan of the selected panchayats on the embankment for integration with EAMS.

3.3.3.1 Modality

- EAMS will receive message from the community on **the current number 56161**.
- The message transmission will follow the below mentioned procedure:
- Code of Type of Problem
- Since the cell number & other database of selected persons will already be stored in the system it will immediately know the location of the sender
- On receiving the message the EAMS will generate a gratitude note which the sender will immediately receive.
- The EAMS may get back to the message sender once appropriate action has been taken on the problem identified.



- A database of contact numbers of selected persons can be registered in the CP section in EAMS that will help identify the location instantly on receiving messages from any of these.
- This Database of contact numbers will in any case be important for sending alerts to the community by EAMS.
- The major feature of CP Page on EAMS will be:-
 - a) Archive of Community Messages on embankment safety for every quarter.
 - b) Messages received from community will appear on the page as marquee/flash.
 - c) Action Taken Report on messages received from Community will be uploaded on the page
 - d) Community reports and remedial actions by the dept. should form part of maintenance and inspection database.

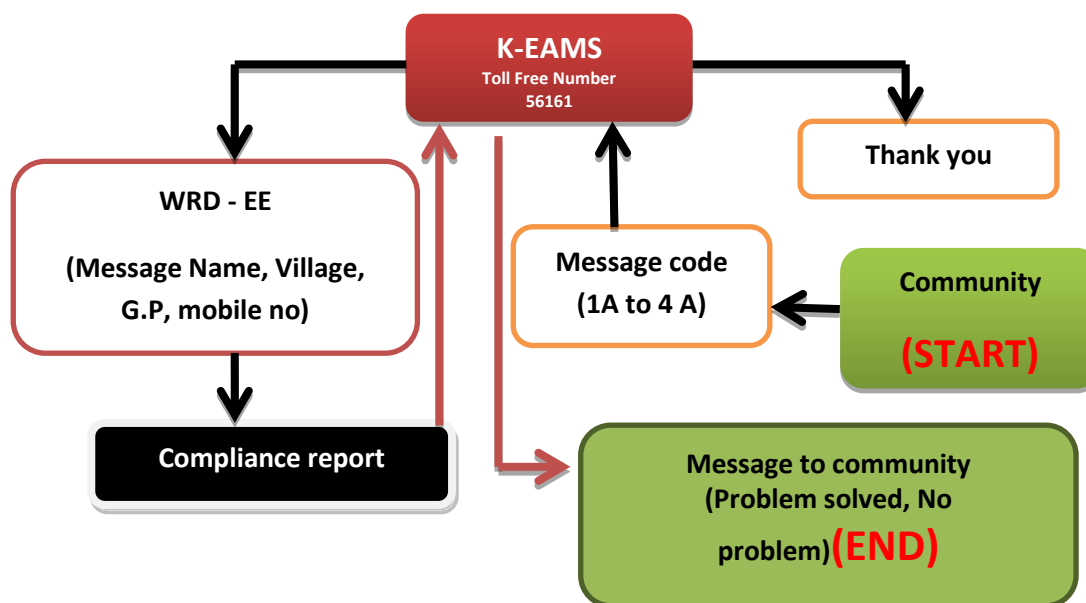


Figure 10: Message transmission mechanism

Some of the other components for implementing this process are:

1. **A toll free number for K-EAMS.** This toll free number will be well advertised during the training at different locations and attempt will be made and suggested for its widest dissemination in the area. Availability of toll free number will be crucial during field training.
2. **Format for Contact Person/Persons/Groups** The coordinates of the selected people/groups will be stored in the EAMS in the following format.

Sl. No.	District	Block	Village	Name of the embankment	Location on the embankment (RD)	Contact person(s)/VLSC	Contact No.
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3.3.3.2 Pull Service – Receiving Messages from Community and its dissemination to different stakeholders

1. In this process the coordinates of the identified community groups/members will be fed into the K-EAMS.
2. On receiving messages from such identified locations the EAMS will immediately know the location of the sender and type of problem
3. Once the EAMS receive message from the community it will immediately travel to the various stakeholders in state government.
4. It will be the task of EAMS developer to link the flow of messages received from community to different stakeholders whose coordinates have been fed into the EAMS database.

3.3.3.3 Push Service – Sending Messages to Community

1. Push service can similarly be used to inform the identified community groups about action taken on the alerts provided by them, rainfall forecast, rising river level, putting them on alert, maintenance work to be undertaken on the embankment, etc.
2. Action Taken report, in fact can be uploaded on the community page in K-EAMS and anybody from community with access to internet can look at this.



4.0 DEVELOPING CONSENSUS ON COMMUNITY PARTICIPATION MODALITIES FOR EMBANKMENT SURVEILLANCE

4.1 Stakeholders Workshop on consensus and finalization of strategy on community participation modality for embankment surveillance in three stakeholders workshop at field level namely at Birpur, Nirmali and Jhanjharpur II.

4.1.1 Pre workshop activities: Formation of VLESC/GPLESC and handholding support:

Consensus on community participation modality as suggested by the consulting firm was derived both at the level of the people in the focused area as well as the WRD personals at the field and headquarter level. At the level of the community, this was achieved by the consulting firm by getting their ratification on the suggested modality of constitution of village level and Gram Panchayat level groups for embankment surveillance. The most crucial aspect of this entire procedure was that refinement in the suggested modality was done by the active participation of people in the area.



Figure 11: Stakeholders Workshop at Jhanjharpur II on 23.12.2015

- During November and December the Experts, WR Division officials and the community mobilisers visited around 30 villages (10 each in 3 Divisions respectively) and constituted 30 Village level embankment surveillance committees.
- The villagers and Panchayati Raj members nominated 10-15 names for the committees. The names were openly announced and approval from villagers was taken. Care was taken to see that the members nominated in the committee are available in the village through-out the year and that they would be volunteering the work for embankment surveillance.
- It was made clear that the task of embankment surveillance would be voluntary and that Department is not bound to make any payments to any member engaged in the activity.
- During the formation meeting the villagers were made aware about threats / risks to embankment health, information sharing mechanisms and roles and responsibilities of the members of Embankment Surveillance committees in embankment safety during pre-monsoon season, during and post monsoon season.
- Around 16 G.P level Embankment surveillance committees were also constituted. The GP level Embankment Surveillance was constituted from members of the Village level Embankment Surveillance committees.
- It constituted of 9 to 15 members and had representation and approval from mukhia/ sarpanch
- During the formation of GP level Embankment Surveillance committee the protocols of formation of embankment Surveillance committees was followed in the same manner as that of Village level embankment surveillance committees



- Members of GP level committees also consented that they would work voluntarily without any payment or claim from the department.
- The GP level committee members were invited for Division level workshop

4.1.2 Stakeholders Workshop on consensus and finalization of strategy on community participation modality for embankment surveillance in three stakeholders workshop at field level namely at Birpur, Nirmali and Jhanjharpur II

Post formation of committees and providing handholding support to the committees for 2 months, proper registers of the committees were maintained. The committee members were invited for 3 field level workshops, details of which are given in table 4.

Table 4: No of participants attending workshop at field level

Name of the Division	Name of GPLESC	Number of members attended	Workshop date
EKE	Bhagwanpur	30	16.12.2015
	Satanpatti	15	
	Baptiyahi	22	
	Total from community	77	
	WRD Officials including JPS experts	13	
	Total	90	
WKE	J Tarwara	5	19.12.2015
	KubolTanga	3	
	Dagmara	27	
	Kiratpur	5	
	Dighia	13	
	Barsam	6	
	Tetri	1	
	Mahadevmant	2	
	Total from community	62	
	Officials including JPS	17	
	Total	79	
Kamla	Narwar	5	23.12.2015
	Adharpur	18	
	Madanpur	5	
	Rajkahrwar	4	
	Thengha	11	
	B. Iniyatpur	7	
	Total from community	50	
	Officials including JPS	15	
	Total	65	

Note: Detailed list is attached in Annexure 1



The agenda for the workshop was as follows:

Table 5: Workshop agenda:

Particulars	Time	Resource Person	Method
Registration	11.00 -11.30 am		
Welcome note	11.30 am -11.45 am	WR Division staff (AE/JE)	
Introduction to Workshop and introduction to embankment Surveillance	11.45 -12.15 pm	Team leader , JPS Associates	Lecture and exhibit
Modalities of community participation	12.15 – 12.45 pm	Social Mobilization Expert, JPS	Lecture and exhibits
Structures on embankment and risks to embankment safety	12.45 -1.15 pm	Embankment Expert and technical person (WRD)	Lecture and exhibits
Roles and responsibilities of Community organisations (VLESC and GPLESCs)	1.15 -1.45 pm	Social mobilization expert , JPS Associates	Lecture and exhibits
Interactive and Question answer session on the community participation modality in	1.45 – 2.30 pm	Team leader and WRD field staff	Interactive

4.1.3 Details of consensus of community participation modality for embankment surveillance – key issues and consensus from Field level Workshops:

Figure 12: Consensus workshop and Piloting of community participation modes in Birpur on 16.12.2015



Following are the details of Questions asked and Responses received from various VLESC/ GPLESC representatives and from officials of WRD:

Table 5: Key responses and Consensus to proposed community participation modality from Field Division level workshops:

Questions raised	Key Response/s	Remarks/ Consensus
What does embankment mean in the life of people in general and the community as a whole	<ul style="list-style-type: none"> • Embankment plays an important part in the life of people • Embankment must be preserved because they protect the community from floods • It protects man, animal natural resources from being washed away in floods • It keep the flow of water restricted within the embankments 	Consensus is that “Community awareness on role embankment plays in their life is very high”
What is embankment surveillance	<ul style="list-style-type: none"> • Mechanism to safeguard embankment • Protect embankment from erosion & other damages 	
Health of embankment	<ul style="list-style-type: none"> • There is a lot of erosion at various points of the embankments both natural and man made • These cuts are due to both human and animal activity however it is not deliberate • Lots of activities related to market activities are majorly held at embankments • Lots of vehicular movement (tractors/ Trucks)on embankment have caused breaks / cuts in embankment stretch 	Consensus is that there are Mixed responses. People in Birpur Division felt that embankment are in good shape whereas most of the people in Nirmali and Jhanjharpur felt that embankment is not in good shape



Questions raised	Key Response/s	Remarks/ Consensus
Who is responsible for the surveillance of embankment presently	<ul style="list-style-type: none"> • Department is responsible • Govt. is responsible • Community is responsible • Work contractors are responsible 	<p>Consensus is that majority of the participants had the opinion that Govt. or department currently is responsible for embankment surveillance measures.</p> <p>However they hold an opinion that community should be engaged in embankment surveillance because of the importance of embankments in the life of villagers.</p>
How can the embankment be protected	<ul style="list-style-type: none"> • It can be done through regular surveillance and prompt reporting • Combined efforts of people and WR Division officials will help in protecting the embankment • Department can play a major role in involving community for embankment safety • Community can play an important role in informing the department on any threats to the embankment. • Currently the home guards are doing the informing part. • Community feels it is in a better position to report any perceived risk threat to embankment more immediately as they are close to the embankment 	<p>Consensus is that Currently there is a system wherein Community transmits message on embankment health to Water Resource Division staff but it is not an organized one</p>



Questions raised	Key Response/s	Remarks/ Consensus
<p>During the conduct of field survey, people suggested that Embankment surveillance is a group effort and can be done through the formation of Embankment surveillance committees at Village and Panchayat levels.</p> <p>Do you think that this approach is the right one in that Direction and that the Community participation modality involving embankment surveillance committees holds the key to embankment safety</p> <p>Kindly suggest the desired mechanism</p>	<ul style="list-style-type: none"> • Formation and training of Embankment surveillance committees is indeed the right approach. • Firstly Village level committees should be formed and these committees should patrol the entire stretch of embankment adjoining their villages. • Patrolling should be a regular activity. • The Village level committees may directly inform the department or they can send in information to the G.P Level committees depending upon the nature of threat. It will however be easy if they inform the village sarpanch / mukhia or any other member of the GP level committee who in-turn can inform the Department officials • Formation of GPLESC is also a positive thing because this body can discuss things broadly in gram sabha meetings • There should be discussions at the GP level to coordinate with department. The mukhia and other nominated leaders from VLESC can have regular meetings with the Department and inform them about problems of embankment 	<p>In principle the GPLESCs and workshop participants agreed on the community participation modality of formation of village and GP level embankment surveillance committees.</p> <p>The officials however were of opinion that initially the GPLESC should be constituted and it would be easy for the Department to deal with GPLESC rather than Village level ESCs.</p>
Constitution of the Embankment surveillance committees	<ul style="list-style-type: none"> • VLESC should be constituted of 9-15 members. • It should consist of villagers living in close proximity to the embankment. • Should consist of members who live in the area round the year and do not migrate from the village to other places. • Should have women members. • GPLESC should be members nominated from VLESCs only (more than 9 members) 	<p>Consensus is that committees should have 9-15 members all of whom permanently reside in the community and do not migrate in search of work or any other thing.</p> <p>They should be able to work voluntarily</p>
Meetings	<ul style="list-style-type: none"> • Monthly or quarterly as required • GPLESC can be combined on day of gram sabha meetings 	Monthly meetings should be the norm



Questions raised	Key Response/s	Remarks/ Consensus
<p>Medium of communication:</p> <p>What would be the appropriate mode of communication with the department on embankment surveillance</p>	<ul style="list-style-type: none"> • Mobile communication is the preferred mode • Messages can be communicated through mobile as almost every household in the area have access to mobile • The department should give a toll free number • Only selected members of VLESC and GPLESCs should be given the responsibility to transmit messages. • Message list with toll free numbers must be printed and circulated along the length of embankment 	<p>Mobile communication should be ideal.</p> <p>Department should arrange for a toll free number</p>
Capacity building of the VLESCs and GPLESCs	<ul style="list-style-type: none"> • The department should conduct trainings/orientation at GP / Division level to make the committees aware about the technical aspects of embankment surveillance, roles and responsibilities and transparency measures to be adopted for embankment safety • Department should involve and take suggestions from community during planning for embankment maintenance and safety • Department must provide information of activities of contractors/ agencies and must involve the committees for repair and maintenance works 	<p>Workshop mode is ok. Department can think of trainings at the grass root level too</p>

4.1.4 Details of consensus of community participation modality, action plan for pre-season Workshops and final strategy for embankment surveillance – key issues and consensus from stakeholders Workshops:

Following the consensus achieved on different dimensions of modality of community participation in embankment surveillance, a workshop on consensus and finalization of strategy on community participation modality was held in FMISC conference hall on 04.01.2016. Following is an abstract of discussions held at the workshops and consensus evolving from the stakeholder's workshop at Patna.



4.1.4.1 Issues on which consensus on proposed community participation modality from Field Division level workshops

Table 6: Issues on which consensus on proposed community participation modality from Field Division level workshops

Issue	Remarks/ Consensus
What does embankment mean in the life of people in general and the community as a whole	Consensus is that “Community awareness on role embankment plays in their life is very high”
Who is responsible for the safeguard of the embankment	<p>Majority of the participants had the opinion that Govt. or department currently is responsible for embankment safety measures.</p> <p>However they hold an opinion that community should have the responsibility of safeguarding the embankment because the embankments are of major importance to the community.</p> <p>Community should be involved in safeguarding mechanisms for embankment safety and the govt. has a major role in making measures for embankment safety transparent.</p>
How can the embankment be protected	Consensus is that Currently there is a system wherein Community transmits message on embankment health to WR Division staff but it is not an organized one
Suggestions on desired mechanism for people’s involvement in embankment surveillance	<p>In principle the GPLESCs and workshop participants agreed on the community participation modality of formation of village and GP level embankment surveillance committees.</p> <p>The officials however were of opinion that initially the GPLESC should be constituted and it would be easy for the Department to deal with GPLESC rather than Village level ESCs.</p>
Constitution of the Embankment surveillance committees	<p>Consensus is that committees should have 9-15 members all of whom permanently reside in the community and do not migrate in search of work or any other thing.</p> <p>They should be able to work voluntarily</p>
Meetings	Monthly meetings should be the norm
What would be the appropriate mode of communication	Mobile communication should be ideal.



Issue	Remarks/ Consensus
Capacity building of the VLESCs and GPLESCs	Workshop mode is ok. Department can think of trainings at the grass root level too

4.1.4.2 Summary of views expressed in consensus workshop at Patna:

1. Key responses and Consensus to proposed community participation modality from Field Division level workshops was discussed in detail and confirmation from the field representatives from the GPLESCs was obtained regarding the authenticity of proposed modalities.
2. The GPLESC members attending the workshop consented that embankment safety was a joint responsibility of the people and the department and that both have to work hand in hand for safeguarding the embankment. The people must keep a close vigil on embankment condition and should inform the officials in time and have a major role in flood fighting efforts. The Department should on the other hand work closely with communities and have regular meetings with GPLESC members.
3. Stakeholders in the Workshop also confirmed to the consensus on approach and modalities proposed by the consultants and also added the following inputs to finalize the strategy
 - a. Though Village Level Embankment Surveillance committees may be formed in critical villages (where there is threat to the embankment), **G.P Level Embankment Surveillance committee should be the norm as it will be a part of the PRI structure and will have representatives from VLESCs.** It will be easier for the Field Division Officials to interact with GPLESCs rather than Village level committees.
 - b. Pre and Post season workshops with GPLESCs at the Division level should be conducted during:
 - i. Pre season workshops should be conducted during 1st to 15th of May as all pre monsoon activity compliance is scheduled to be completed before 15th of May as per the SoP)
 - ii. Post season workshops should be conducted preferably between 15th.to 30th. September before the Anti-Erosion Committee finalizes plans for the next flood season for the approval of the TAC/ KHLIC
5. Regarding the constitution of VLESC and GPLESC it was confirmed that it should comprise of 9-15 members permanently residing in the village / Panchayat but committee formed at



Figure 13: Workshop on consensus of community participation mode and developing final strategy at Patna on 04.01.2016



the village and GP level **should have women participation also**. There should be 30% women in the GP level embankment surveillance committees as well

6. The committees formed should be properly sensitized on their voluntary role **and be sensitized for community's participation during emergency situations like the arrangement of labour during flood fighting efforts**.
7. The GPLESC members were of the opinion that ID cards should be provided to them by the department so that they feel empowered and have some legal identity.
8. There should be proper training to the GPLESCs on messages to be transmitted to the mobile number provided by the department. It was communicated to the consultants that this aspect has to be communicated to the GPLESCs during the pilot to be held from 07.01.2016 – 11.01.2016.
9. There was consensus that training or orientation to the GPLESCs should be provided in workshop mode only and that this would be more cost effective.



5.0 ACTION PLAN FOR WORKSHOPS

5.1 Why Workshops are Necessary:

Workshops can prove as major strategy in coordinating community activity for embankment surveillance and has the potential to unite people for enhancing community action for embankment surveillance and preparation for tackling any eventuality arising due to floods in the Kosi and Kamla river basins. Pre-season workshops have the potential for an interactive platform wherein people from different Village Level and G.P level Embankment Surveillance Committees can interact freely with WRD Division field staff and plan for effective and sustainable systems for embankment surveillance and management. It can help in

- a. Enlighten community members on the necessity of embankment safety and the threats to the embankment
- b. Enlighten community on their roles and responsibilities for embankment surveillance and safety
- c. Creating an effective and conducive platform wherein the WRD field division staff and the community representatives can interact freely and plan together for
 - Embankment surveillance
 - Identifying potential risks points to embankment health
 - Any activity related to embankment safety or for reducing risks to the embankment
 - Any civil/engineering additional measures to be taken for embankment safety
 - Organising labour for any physical works related to embankment management/ safety or risk reduction
 - Preparedness for flood/ Flood control activities during the onset of flood and even post flood activities

5.2 When to conduct Workshops:

The perfect timing for conducting the workshops could be actually:

1. **Pre-Season:** During the time when the WR Department prepares for flood control activities. According to Barh Gasti Niyamavali the Department starts preparing its plans for reconstruction/ maintenance activities in before May, 31st every year (Pre monsoon). It is ideal that pre-season workshops are also conducted during the first half of May
2. **Post-Season:** We suggest another round of Workshops during September (15th to 30th September) of every year (before the Anti-Erosion Committee finalizes plans for next flood season for approval of TAC / KHLC)



Table 7: Plan for Workshops to be conducted at Division level

Kosi Embankment	Name of Division	Workshop Dates	
		Pre-monsoon	Post-monsoon
East Flood Embankment Division (EKE)	Birpur	16 th . May, 2016	16 th September, 2016
	Supaul	19 th .May, 2016	19 th September, 2016
	Kopadia	23 rd .May, 2016	21 st September 2016
	Chadrayan	27 th . May, 2016	23 rd September,2016
Western Flood Embankment (WKE)	Kunauli	16 th . May, 2016	16 th September, 2016
	Nirmali	19 th .May, 2016	19 th September, 2016
	Bhagalpur	23 rd .May, 2016	21 st September 2016
	Bhagalpur	27 th . May, 2016	23 rd September,2016
Kamla Embankment	Jhanjharpur - I	16 th . May, 2016	16 th September, 2016
	Jhanjharpur –II	19 th .May, 2016	19 th September, 2016

Note: The Workshops dates are tentative. Final dates may be finalized by respective Divisions of WRD according to mutual convenience of WRD and Community

5.3 How to conduct Workshops:

5.3.1 Steps in conducting Workshops:

Step 1: Formation of Village Level Embankment Surveillance Committees (VLESC) and Formation of G.P Level Embankment Surveillance Committees(GPLESC)

Step 2: Orientation of the committees (To be conducted by Trained Trainers). Orientation to be clubbed up with Workshops with GPLESCs to make it cost effective

5.3.2 How to conduct the Orientation / Capacity building workshops

As stated earlier 2 workshops should be conducted in each Division; one pre-monsoon workshop and one post monsoon workshop. The Executive Engineer at the respective Division will be responsible to conduct the workshop. With the help of Assistant and junior engineers under his jurisdiction the Executive engineer will take feedback for conducting a workshop day mutually convenient to the WR



Department and the GPLESC/ VLESCs. The Office of Executive Engineer will send a formal

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invitation to the GPLESCs/ VLESCs in the area inviting them for a full day workshop. Preferably an agenda for the Workshop can also be intimated.

The Workshop cum orientation programme will have 2 objectives:

- Orient the members on embankment surveillance need, modalities and roles and responsibilities
- Discuss and deliberate on work plan of the WRD in the embankment stretch associated with the community in the respective Division

5.3.3 Orientation of members on Embankment Surveillance:

This is one day training and the training is divided into 4 sessions. Outline of sessions has been appended in the report.

5.3.4 Training curricula:

Table 8: Outline of training sessions

Module no and broad outline	Detailed content	Time	Medium	Resource person
Day 1: Session (9.30 am – 11.00 am)				
Session 1:	<ul style="list-style-type: none">• Introduction to the training and sharing of expectation	10 minutes	Interactive	Core trainers
Module no 1: Introduction to Embankment Embankments – Structure and composition of various structures for embankment protection.	<ul style="list-style-type: none">• Movie on Embankment	15 minutes	AV	Core trainers
	<ul style="list-style-type: none">• Reflection on the movie	5 minutes	Interactive	Core trainers
	<ul style="list-style-type: none">• Introduction to Embankment, Types	30 minutes	Lecture , Exhibits	Official from WRD
	<ul style="list-style-type: none">• Outline of structures associated with embankment (Spur, Studs, levee, porcupines, sand bagging, boulders, vetiver etc.)	30 minutes		
TEA BREAK (11.00- 11.15 AM)				
Day 1 Session 2: 11.15 – 12.30 pm				
Session 2: Module no 2:Embankment Surveillance and Role of Community	<ul style="list-style-type: none">• Embankment surveillance and its need• Threats to embankment safety – What activities cause threat (natural, animal and human interference)• How to conserve the	45 minutes	Presentation, Video and site visit (closest to village)	Embankment expert and Expert from training team

Module no and broad outline	Detailed content	Time	Medium	Resource person
	embankment • Current system of embankment surveillance (Departmental protocol)			
	• Community role in identifying the threats • Community safety of the embankment	30 minutes		
LUNCH (12.30 - 1.30 pm)				
Session 3: Module 3: Embankment Surveillance committee/s and its functions	• What are embankment safety committees, Why they are required, How to form • Composition, role and responsibilities of members of the embankment surveillance committee • Meetings, periodicity of meetings and recording the proceedings of the meetings, action points required • Role of embankment surveillance committee before, during and after floods	1.5 hours	Lecture	Embankment expert and Expert from WRD and core trainers
TEA (3.00 pm)				
Session 4: Module 4: Embankment Surveillance and Information dissemination	• What are the main data/information (with codes) required by the department for embankment safety • When and how is the information required to be disseminated (When, how and whom) • What information does the community require from the department • When, where and how the information available • Integration of information into K-EAMs • Contact details of the Department official posted	1 hour	Lecture and demonstration	Expert Embankment Surveillance, K-EAMS official

Module no and broad outline	Detailed content	Time	Medium	Resource person
	at the division • Contact details of key members of the embankment surveillance committee			
(4.00 to 5.00 pm)				
Session V – on hour	• Discussion on embankment health condition • Discussion of Departmental plan for embankment safety • Receiving Feedback on Departmental plan.	1 hour	Interactive Discussion	WRD field staff

Note: Exhaustive Training Manual in English and Hindi is provided in Volume II (Part II)



6.0 ACTION PLAN FOR ENTIRE BASIN AND PILOTING WITH SELECT COMMUNITIES AND SELECT WATER RESOURCE DIVISION

6.1 Plan of action for community participation of embankment surveillance in other field divisions (other than BIRPUR, NIRMALI AND JHANJHARPUR II DIVISIONS)

Formation of community organisations (committees) at the Gram Panchayat levels is the agreed approach evolving from discussions at all the field level and WRD level workshops. The Consultant has formed about 16 GP level formations and 35 villages level embankment surveillance committees. Department will have to explore the possibility of organizing at other places listed below:

Table 9: Name of the villages where VLESC/GPLESC Formed

Sr. No.	Name of the villages	Nearest Embankment	Kms	Panchayat	Division	Area
1	Bhimnagar	Eastern Kosi Embankment	2.50	Bhimnagar	EKE Birpur Division 2	Between 0 – 40 Kms Eastern Kosi Embankment
2	Raniganj	Eastern Kosi Embankment	3.35	Bhagwanpur	EKE Birpur Division 2	
3	Shibnagar	Eastern Kosi Embankment	4.20		EKE Birpur Division 2	
4	Madhura	Eastern Kosi Embankment	5.30		EKE Birpur Division 2	
5	Sahewan	Eastern Kosi Embankment	5.70		EKE Birpur Division 2	
6	Panchpadariya	Eastern Kosi Embankment	6.94		EKE Birpur Division 2	
7	Dhadha	Eastern Kosi Embankment	12.37	Satanpatti	EKE Birpur Division 2	
8	Narpatpatti	Eastern Kosi Embankment	16.98		EKE Birpur Division 2	
9	Lalmanpatti	Eastern Kosi Embankment	16.98		EKE Birpur Division 2	
10	Kodli	Eastern Kosi Embankment	20.70	Laukaha	EKE Birpur Division 2	
11	Kalyanpur	Eastern Kosi Embankment	28.20	Baphtiyahi	EKE Birpur Division 2	
12	Baphtiyahi	Eastern Kosi Embankment	29		EKE Birpur Division 2	
13	Ekar	Eastern Kosi Embankment	83.40	Chandrain	EKE Chandrain	Between 80 – 105 Kms Eastern Kosi Embankment
14	Jodi	Eastern Kosi Embankment	85.16	Chandrain	EKE Chandrain	



Sr. No.	Name of the villages	Nearest Embankment	Kms	Panchayat	Division	Area
15	Meshraho	Eastern Kosi Embankment	88	Meshraho	EKE Chandrain	
16	Dagmara	Western Kosi Embankment	22. 00	Dagmara	Nirmali	SikarhattaMajhari Lower Bund of Western Kosi Embankment
17	Navkatola	Western Kosi Embankment	24		Nirmali	
18	Lalmanpatti	Western Kosi Embankment	8.8 SML Ring bund		Nirmali	
19	Dudhaila	Western Kosi Embankment	12-13 SML Ring bund	Dighiya	Nirmali	
20	Dighiya	Western Kosi Embankment	22 SML Ring Bund		Nirmali	
21	Tetri	Western Kosi Embankment	38	KubolTanga	Nirmali	Between 27- 38 Kms Below GGh of Western Kosi Embankment
22	Tarwara	Western Kosi Embankment	36	Tarwara	Nirmali	
23	Kirathpur	Western Kosi Embankment	34	Kirathpur	Nirmali	
24	Neema	Western Kosi Embankment	33	Kirathpur	Nirmali	
25	Balthi	Western Kosi Embankment	27	Barsam	Nirmali	
26	Naruar	Right Kamla Balan Embankment	46	Naraur	Jhanjharpur Division 2	Between 46- 80 Kms of Right Kamla Balan Embankment
27	Rataul	Right Kamla Balan Embankment	52	Madanpur	Jhanjharpur Division 2	
28	Mahia/Sutariya	Right Kamla Balan Embankment	59	Raja Kharwar	Jhanjharpur Division 2	
29	Dewna	Right Kamla Balan Embankment	60	Tengha	Jhanjharpur Division 2	
30	Tengha	Right Kamla Balan Embankment	64	Tengha	Jhanjharpur Division 2	



Sr. No.	Name of the villages	Nearest Embankment	Kms	Panchayat	Division	Area
31	Kumhraul	Right Kamla Balan Embankment	71	Budhe Inayatpur	Jhanjharpur Division 2	
32	Inayatpur	Right KamlaBalan Embankment	72	Budhe Inayatpur	Jhanjharpur Division 2	
33	Mansara	Right Kamla Balan Embankment	78	Adharpur	Jhanjharpur Division 2	
34	Bath	Right Kamla Balan Embankment	80	Adharpur	Jhanjharpur Division 2	
35	Asma	Left Kamla Balan Embankment	70	Budhe Inayatpur	Jhanjharpur Division 2	

Table 10: Name of the Panchayats (Embankment and Division wise) to be taken by WRD for further implementation

Sr. No.	Panchayat	Name of the villages under Panchayats	Kms	Division
Eastern Kosi Embankment				
1	Ratanpur	Dhena, Piparahi, Baijnathpur	9 -11.7	Bhataniya
2	Kamalpur	Rupauli	19	Bhataniya
3	Laukaha	Nonpar, Baisa	20.7 – 25.14	Bhataniya
4	ChitthiHanumanagar	Simri/Chitthi	22	Bhataniya
5	SahpurPritipatti	Nabipur	23	Bhataniya
6	JhilaDumri	Sadanandpur, Bishunpur	28	Bhataniya
7	Baphtiyahi	Gadhiya	32.33	Bhataniya
8	KataharaKadampura	Katahara, Khakhai, Bakurahi	53	Supaul
9	Bairiya	Malhad, BairiyaManch	58 - 59	Supaul
10	Bashbitti	Bhajantoli, Basua	65 – 68	Supaul
11	Ramdupatti	Rampur Nobad, Nemua, Ramduttapati	66. 67 – 68.25	Supaul
12	Bakaur	Bakaur	72	Supaul
13	Hatti	Barahi	72.80	Supaul
14	Mohanpur	Misharaulia, Fakhrahi, Mohanpur	80.65 – 81.5	Chandrayan
15	Chandrain	Chardrain,	83.40 – 85.16	Chandrayan
16	Muradpur	Darahara	84	Chandrayan
17	Sahpur	Majhaul	85.5	Chandrayan
18	Meshraho	Sarauni, Baluaha, Teghra	88 - 93	Chandrayan

Sr. No.	Panchayat	Name of the villages under Panchayats	Kms	Division
19	MahisiUttari	Mahisi	95	Chandrayan
20	MahisiDakhsini	Bhagwatpur, Mahpura	97 – 98	Chandrayan
21	ShirwarVirwar	Gamraho, Bijwar	101 – 102	Chandrayan
22	Rajhanpur	Rajhanpur	103	Chandrayan
23	Goghsam	Tilati	104.5	Chandrayan
24	Gordar	Bagewa	122	Koparia
25	Utteshra	Utteshra	123	Koparia
26	Salakhua	Salakhua	124	Koparia
27	Sitwaha	Sitwaha	125	Koparia
Below Kosi main Embankment				
28	Sarswa	DhamaraGhat		Khagaria
29	Hardia	BadlaGhat		Khagaria
30	Madrauni	Madrauni		Bhagalpur
31	Sahora	Sahora		Bhagalpur
Western Kosi Embankment				
32	Ghonghepur	Gonghepur	53.5 Below GGh	Nirmali
33	TelwaPaschim	Bhanti, DumriSupaul	48 -50 Below GGh	Nirmali
34	Manovar	Jalai	49 Below GGH	Nirmali
35	Telwa	Nabada	48 Below GGh	Nirmali
36	Baghwa	Garual	46	Nirmali
37	Jamalpur	Jamalpur	41	Nirmali
38	Narkatia	Bhoogaul	39	Nirmali
Right Kamala Balan Embankment				
39	Sukki	Sukki	9	Jhanjharpur 2
40	Kanhauli	Kunhauri	14	Jhanjharpur 2
Left Kamala Balan Embankment				
41	Satghara	Satghara	27	Jhanjharpur 1
42	Dabhaar	Bithauni	29	Jhanjharpur 1
43	Maharail	Mahrail	41	Jhanjharpur 1
44	Jhanjharpur	Partapur	42	Jhanjharpur 1
45	BehatDakshin	Pipraghat	51	Jhanjharpur 1
46	Balia	Khairi	59	Jhanjharpur 1
47	Prasad	KahairiMushari	62	Jhanjharpur 1
48	Banki	Fataki	64	Jhanjharpur 1
49	Parwalpur	Daldal	66	Jhanjharpur 1



Sr. No.	Panchayat	Name of the villages under Panchayats	Kms	Division
50	Rashiyari	Rashiyari Tola	73	Jhanjharpur 1

Note: G.P Level committees will have to be formed following protocols and mechanisms. See separate Booklet on Approach, Protocols and Mechanisms for Community participation in Embankment Surveillance. Volume II, Part I)



7.0 LESSONS LEARNT FROM PILOT IMPLEMENTATION IN SELECT COMMUNITIES– REPORT ON PILOTING OF FINAL STRATEGY FOR IMPLEMENTATION OF THE COMMUNITY PARTICIPATION PROGRAMME IN SELECT COMMUNITIES

Piloting of the final strategy for community participation was done in one select Division (Bhataniya/ Birpur Division) from the 7th to 11th January, 2016. The experts visited the Division and selected 4 Gram Panchayats namely Basantpur, Sahewan, Narpattatti and Bhaptiyahi G.Ps for piloting the following:

1. Community Participation Strategy
2. Mechanism for transmission of messages from community to Department
3. Appropriateness of the training materials

7.1 Piloting of Community Participation strategy

Under the piloting of the Community participation strategy the consultants along with representative of BAPEPS, and a Junior Engineer from Birpur (EKE Birpur Division II), visited Basantpur Panchayat.

It is important to note that as a part of the piloting strategy the Junior Engineer took the lead in organizing the committee at Basantpur.

A meeting was arranged with the people of Bhimanagar Punarwas on the 8th of January, 2016. About 25 villagers participated in the meeting. As per community participation approach and protocols, the community members were made aware about the following:

- a) Embankment surveillance and its need
- b) Embankment surveillance through Committees
- c) Roles and responsibility of committee in embankment surveillance
- d) Identifying the threats to embankment safety

The members in the meeting discussed among themselves and agreed to form a Gram Panchayat level committee along 0-2.5kms of the eastern embankment and agreed to name the committee as Bhimanagar Punarwas Gram Panchayat Level Embankment Surveillance Committee. The members called for a meeting of all the villages in the 0-2.5 km stretch on EKE on 9th of January. Finally G.P committee was formed on 9th January in presence of about 50 people.

The members of Basantpur GP level committee are as follows:

Table 11: The members of Basantpur GP level committee

Sl No.	Name of office Bearer	G.P	Village Name	Mobile
1	Karan Giri (Secretary)	Basantpur	BhimnagarPunarwas	9572440600
2	Dev Narayan Ram	Basantpur	BhimnagarPunarwas	9973635714

Sl No.	Name of office Bearer	G.P	Village Name	Mobile
3	Suresh Sah	Basantpur	BhimnagarPunarwas	8434932635
4	Shiv Kr.Gupta	Basantpur	BhimnagarPunarwas	9199794934
5	BholaSah	Basantpur	BhimnagarPunarwas	9931385974
6	Md.Naiem	Basantpur	BhimnagarPunarwas	9631231769
7	Mohan Mandal	Basantpur	BhimnagarPunarwas	8862849139
8	ShyamMandal	Basantpur	BhimnagarPunarwas	9931354032
9	Sanjay Kr.	Basantpur	BhimnagarPunarwas	8540807003
10	Md.Jamal	Basantpur	BhimnagarPunarwas	9122568267
11	Umesh Prasad Thakur (President)	Basantpur	BhimnagarPunarwas	9430242790
12	UdyanandGiri	Basantpur	BhimnagarPunarwas	7050016559
13	SatyanarayanSah (Treasurer)	Basantpur	BhimnagarPunarwas	9801541811
14	ShamilaKhatun	Basantpur	BhimnagarPunarwas	
15	Bhiva Devi	Basantpur	BhimnagarPunarwas	
16	Anita Devi	Basantpur	BhimnagarPunarwas	
17	Lila Devi	Basantpur	BhimnagarPunarwas	
18	Rajesh Thakur	Basantpur	BhimnagarPunarwas	8409434570
19	Sadanand Sharma	Basantpur	BhimnagarPunarwas	8540073287

The members decided that they will meet periodically (quarterly) to:

- Discuss on general condition of embankment
- Discuss on human, traffic, animal activity causing any sort of threat to the embankment
- Discuss on settlements coming up on the embankment
- Discuss on roles and responsibilities of the committee/ committee members during normal times and during flood times.
- Discuss on issues related to flood preparedness
- Discuss on networking with different line departments for other related works such as for income generation, road works
- Discuss on modes of information flow (actors involved, process and modality)
- Discuss on organizing labour / skilled labour for the department during emergency situation

The members decided that they will send message to the mobile number (08986593556 – This number was provided by FMISC during the time of pilot testing. This number has now changed to 56161 and the committee members have been communicated about this change accordingly by the Consultant) provided by the department and that they are even ready to send messages even if it is chargeable. However the opined that a toll free no. would be more suitable.

Meeting with Bhagwanpur Gram Panchayat members was organized on the 9th of January, 2016 at Sahewan. The meeting was attended by the following members:



Table 12: List of members who attended meeting with Bhagwanpur Gram Panchayat

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Shyam Kishore Thakur	Bhataniya/Birpur	Bhagawanpur	Bhagwanpur	7090547617
2	Ramesh Kr Yadav	Bhataniya/Birpur	Bhagawanpur	Shivnagar	8292510540
3	Sakldev Poddar	Bhataniya/Birpur	Bhagawanpur	Bhagwanpur	8969040005
4	Madhukant Thakur	Bhataniya/Birpur	Bhagawanpur	Madhura	8969040005
5	Lalan Thakur	Bhataniya/Birpur	Bhagawanpur	Madhura	7739617717
6	BechanMukhiya	Bhataniya/Birpur	Bhagawanpur	Sahewan	8292067978
7	VishwanathMukhiya	Bhataniya/Birpur	Bhagawanpur	Sahewan	9546838280
8	Santosh Kr Das	Bhataniya/Birpur	Bhagawanpur	Sahewan	8292195771
9	Bharat Thakur	Bhataniya/Birpur	Bhagawanpur	Madhura	9939413995
10	Mangal Das	Bhataniya/Birpur	Bhagawanpur	Sahewan	9507811423
11	DhirendraPdYadav	Bhataniya/Birpur	Bhagawanpur	Shivnagar	9507811423
12	Ram narayanyadav	Bhataniya/Birpur	Bhagawanpur	Shivnagar	

Note: About 70 people from the villages also attended the meeting

7.2 Piloting of the mechanism for transmission of messages from community to department leading to development of information sharing modules and formats to be integrated into K-EAMS



Figure 14: Women member of Sahewan GPLESC committee rehearsing message communication mechanisms



A Meeting with K-EAMS and IT officials regarding coded message transmission from the community members to the K-EAMS and the channel of message flow from K-EAMS to concerned division Executive engineers was held on 06.01.2016 at FMISC.

During this meeting it was decided that the methodology of message transmission (Figure 10, page 36), push and pull mechanisms (para 3.3.3.2 & 3.3.3.3, page 36) and format and content of message transmission, para 3.3.3, page 35) must be followed. The piloting of this methodology of receiving messages from field was completed in two phases; the first one was during 08.01.2016 to 11.01.2016 and the second round was during 14.02.2016 to 18.02.2016. During the pilot stress was laid on

1. Format and content for community reporting
2. Alerts and prioritization
3. Modality of transmission of messages

7.2.1 Format & content for community reporting

The entire format and content of message transmission was explained to the community in meetings held at key places (table 11 & 12). During these meetings the content of messages was explained in detail and mock drills performed. Community members were asked to read out messages and explain the relevance (figure 14, shows a women member of BasantpurPanchayat reading out messages and explaining them to the members assembled for the meetings). Table 15 shows the English version list of messages/ alerts that were pilot tested at the piloting sites.

7.2.2 Alerts and prioritization

Table 13: Alerts and prioritization

S. No.	Alerts	Priority	SMS Code
1	Erosion, caving on the river side slope of embankment is occurring.	1	WRD 1A
2	Cracks have been observed on the embankment.	1	WRD1B
3	Damage or caving of protection work done on the river side of embankments has been observed.	1	WRD1C
4	The river is flowing at the edge of embankment and erosion/caving of embankment is taking place.	1	WRD1D
5	Seepage or sand boils have been observed on the embankment slope and in nearby areas.	1	WRD1E
6	Surface of the embankment is in bad shape and needs immediate attention.	2	WRD2A

S. No.	Alerts	Priority	SMS Code
7	Country side toe-cutting has been observed in the embankment.	2	WRD2B
8	The river is flowing at a distance of 100 mts. From the embankment and displays a tendency of coming nearer.	2	WRD2C
9	Depressions greater than 6 inches have been observed on the embankment.	2	WRD2D
10	Rain cut has been observed on the embankment that requires soil filling.	3	WRD3A
11	Several animal burrows present on the embankment that require immediate attention.	3	WRD3B
12	Construction of hutment & animal shed is taking place on the embankment.	4	WRD4A

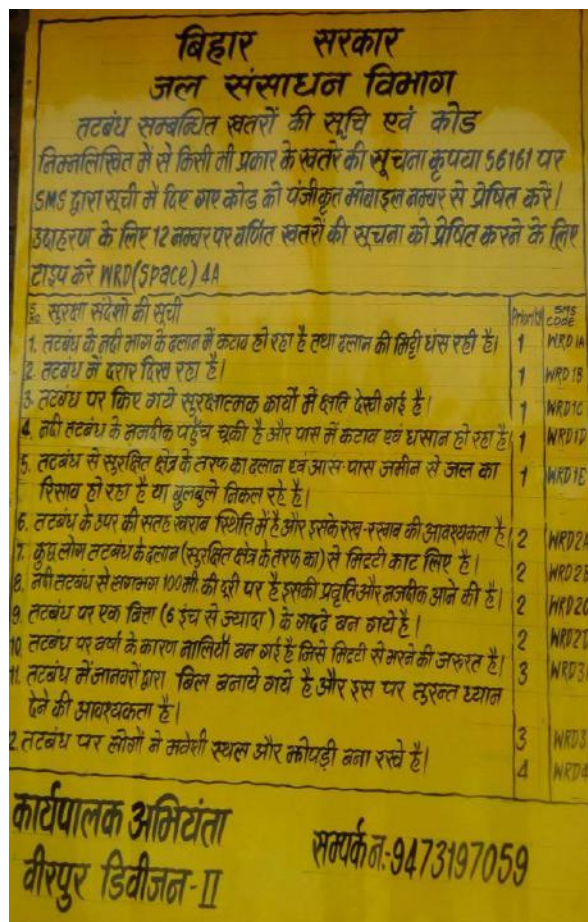
Note: The Hindi translation of these alerts have been displayed on big hoardings at key locations in the embankment selected with due consultation of the field level functionaries and community members of the concerned area.

7.2.3 Message display at key localities in the pilot area.

For wider dissemination, messages were displayed by putting hoardings and flex boards at important locations (Panchayat buildings and besides roads) at the following sites:

1. Bhimnagar Panchayat - Eastern Kosi Embankment, Birpur Division II
2. Bhagwanpur Panchayat - Eastern Kosi Embankment, Birpur Division II
3. Sattanpatti Panchayat - Eastern Kosi Embankment, Birpur Division II
4. Ratanpur Panchayat - Eastern Kosi Embankment, Birpur Division II
5. Chitthi Hanumanagar Panchayat - Eastern Kosi Embankment, Birpur Division II
6. Bhaptiyahi Panchayat - Eastern Kosi Embankment, Birpur Division II
7. Chandrain Panchayat - Eastern Kosi Embankment, Supaul Division
8. Dagmara Panchayat - Western Kosi Embankment, Nirmali Division
9. Dighiya Panchayat - Western Kosi Embankment, Nirmali Division
10. At the office of Executive Engineer Eastern Kosi Embankment, Birpur Division II





7.2.4 Modality of message transmission

During the piloting, the modalities of message transmission were also explained to the members. It was explained that

- The committee member will transmit their message to a number (516161). This number is available with K-EAMS.
- Currently the message will be charged (it's not toll free as yet)
- This mechanism has been specially designed to receive calls from registered members only
- Since the cell number & other database of selected persons will already be stored in the system it will immediately know the location of the sender
- The K-EAMS will receive the message in the following manner – “Alert code, Division name, village name, GP name of caller and phone number”
- On receiving the message the EAMS will generate a gratitude note saying “Thank You” which the sender will receive immediately.
- The details of the caller id and alert will be communicated to executive engineer of the concerned division, who will in turn initiate required action by notifying the alert to concerned Asst./ Junior Engineer of the region.



- The designated official will visit the field and interact with the member and take suitable action. Action / response will be reported back to the Executive Engineer who will in turn prepare and host the compliance report on K-EAMS.
- The EAMS may get back to the message sender once Action has been taken on the problem identified.

Alerts were sent in to the designated number (516161). Some details of the senders and alerts sent during piloting (08.01.2016 – 11.01.2016) are as follows.

Table 14: Details of messages received and reply messages sent to the senders

Sl	Date	Place	Mobile no.	Message details	Reply message
1	11/01/2016	Bhaptiyahi	7079033337	1B	Thanks
2	11/01/2016	Bhaptiyahi	7654940324	1E	Thanks
3	11/01/2016	Bhaptiyahi	9939250970	1A	Thanks
4	11/01/2016	Bhaptiyahi	Alok Kr	2A	Thanks
5	11/01/2016	Bhaptiyahi	Surendra Kr	2B	Thanks
6	11/01/2016	Bhaptiyahi	Dev Kr Mehta	2 C	Thanks
7	10/01/2016	Narpatpatti	8540807003	4A	Thanks
8	10/01/2016	Narpatpatti	9801886621	1A	Thanks
9	10/01/2016	Narpatpatti	7091869837	2A	Thanks
10	10/01/2016	Narpatpatti	7782063461	2D	Thanks
11	09/01/2016	Bhimnagar Punarwas	9801278581	2C	Thanks
12	09/01/2016	Bhimnagar Punarwas	9801278581	4A	Thanks
13	09/01/2016	Bhimnagar Punarwas	9135934596	Ad	Kshamakarein Apka code galathai...kripayasahi code bhejin
14	09/01/2016	Bhimnagar Punarwas	7091869837	1A	Thanks
15	08/01/2016	Saheban	8651180053	1A	Thanks
16	08/01/2016	Saheban	9060782992	2A	Thanks
17	08/01/2016	Saheban	9212012299	3A	Thanks
18	08/01/2016	Saheban	7091547617	2D	Thanks
19	08/01/2016	Saheban	8292510540	1A	Thanks
20	08/01/2016	Saheban	8969040005	1E	Thanks

Table 15: Details of messages received and reply messages sent to the senders during piloting done from 14.02.2016 to 18.02.2016 are as follows:

Sl	Date	Place	Mobile no.	Message details
1	15/03/16	Bhimnagar	9931385974	WRD 2A
2	15/03/16	Bhimnagar	9631231769	WRD 1D
3	15/03/16	Bhimnagar	9572440600	WRD 1A
4	15/03/16	Bhimnagar	9122568267	WRD 1C

5	15/03/16	Sahewan	8651180053	WRD 1D
6	15/03/16	Sahewan	8969040005	WRD 1E
7	15/03/16	Sahewan	7091547617	WRD 2B
8	16/03/16	Bhaptiyahi	7549475304	WRD 1A
9	16/03/16	Bhaptiyahi	8084646592	WRD 1C
10	16/03/16	Sattanpati	9431680178	WRD 1A
11	18/03/16	Sahewan	7091547617	WRD 1B
12	18/03/16	Sahewan	8292067478	WRD 2A
13	18/03/16	Dagmara	7739530515	WRD 1B
14	18/03/16	Dagmara	8969587320	WRD 1D
15	18/03/16	Dighiya	9162255067	WRD 3A

7.2.5 Alerts as they appear on the K-EAMS portal – Pull messages received

Mozilla Firefox

112.133.209.6:8090/pull_sms.aspx

Community Report : Short Sms Report from Identified Community

SMS ID	CATEGORY CODE	CATEGORY DETAILS	DIVISION	PANCHAYAT	VILLAGE	PERSON NAME	MOBILE NO	SMS DATE	SMS TIME	STATUS	REPORTED TO
PuLL20	2a	Surface of the embankment is in bad shape and needs immediate attention.	PATNA	WRD	PATNA	VIVEK	9334682300	Fri 11-Mar-2016 04:02:37	16:02:37	open	JD fmisc
PuLL19	2a	Surface of the embankment is in bad shape and needs immediate attention.	PATNA	WRD	PATNA	VIVEK	9334682300	Fri 11-Mar-2016 04:01:49	16:01:49	open	JD fmisc
PuLL21	2b	Country side toe-cutting has been observed in the embankment.	PATNA	WRD	PATNA	VIVEK	9334682300	Fri 11-Mar-2016 04:15:30	16:15:30	open	JD fmisc
PuLL22	2b	Country side toe-cutting has been observed in the embankment.	PATNA	WRD	PATNA	VIVEK	9334682300	Fri 11-Mar-2016 04:17:10	16:17:10	open	JD fmisc
PuLL13	1A	Erosion, caving on the river side slope of embankment is occurring.	Western Embankment Division, Nirmali	Dagmara	Dagmara	Satyanarayan Kamat	7091151388	Fri 18-Mar-2016 10:22:49	10:22:49	open	JD fmisc
PuLL23	1A	Erosion, caving on the river side slope of embankment is occurring.	PATNA	WRD	FMISC	DIVYAKAR	9540963557	Fri 11-Mar-2016 04:18:02	16:18:02	open	JD fmisc
PuLL24	1A	Erosion, caving on the river side slope of embankment is occurring.	Eastern Embankment Division-II, Birpur	Bhagwanpur	Madhura	Shyam Kishore Thakur	9708720288	Thu 10-Mar-2016 12:17:22	12:17:22	open	JD fmisc
PuLL18	1A	Erosion, caving on the river side slope of embankment is occurring.	Western Embankment Division, Nirmali	Dagmara	Dagmara	Ramdev Sah	9162255067	Fri 18-Mar-2016 10:22:49	10:22:49	open	JD fmisc

Updates

- Status Of Approval(SOP)
- Tender Monitoring(SOP)
- View Community Observation
- Maintenance History(Asset)
- Risk Analysis and Management
- Site Inspection
- View Community Observation
- Real Time
- Flood Forecast
- Discharge Hourly- Barahskhetra
- Discharge Daily -Barahskhetra
- Inundation
- Swipe Tool
- Buffering Tool
- Asset Monitoring

Important Links

- Kosi Weather (Nepal)
- India-Wris
- Birpur Barrage Gate
- Kosi Hydro (Nepal)
- Meteorological (Nepal)
- ICIMOD (Nepal)
- FMISC
- W.R.D. Bihar
- CWC

I'm Cortana. Ask me anything.

ENG 10:53 AM
INTL 4/21/2016



7.3 Piloting on the appropriateness of the Training materials:

Training manual in Hindi was shared with the WRD field level 2 Assistant Engineers and 1 Junior Engineers of Birpur and 1 Assistant Engineers and 2 Junior Engineers in Nirmali Division. Following is an abstract of remarks:

Table 16: Piloting on the appropriateness of the Training materials

Particulars	Remarks
Language	The Manual is in Hindi and can be easily understood by the trainer
Content	
b) Understanding of the concept of embankment surveillance	The language used is simple and concepts on embankment surveillance are easily understood. Exhibits used are good.
c) Understanding the concept of community participation	Clear concept has been provided
d) Quality of exhibits and illustrations	Good, but can be improved. Some videos can be helpful (videos are added in the CD provided with this report)
e) Explanation on how , when, where of community Organisation process	Could be easily understood
f) Messages list with codes	Messages depict actual situation and are easily understood. The trainer will need to demonstrate the messages by taking the participants to the field and showing them rain cuts, erosion , holes in the embankment etc.
g) Duration of training	One day training is enough
Overall utility and appropriateness of the training manual	Useful. It should be circulated to all Divisions

7.1 Lessons learnt from final implementation in select communities:

- Community Meetings are a good platform to discuss role the GPLESC can play in safeguarding their embankment. If the reigns of surveillance are handed over to community and the community is trained properly it will take an active role in communicating real time information to the department.
- The members traversed the eastern flood embankment and the spur at 5.30 kms and found that there are certain areas on the spurs which needs repair work. The Junior Engineer also visited the spurs and clarified that the perception of threat of people regarding the spurs was genuine and has to be addressed. He assured them that he would bring the matter with the department and carryout whatever necessary action that has to be taken.



- The members at 5.3 Km (Bhagwanpur Panchayats), expressed that they had met once since the committee was formed and the committee members had traversed the embankment together and found that there are 119 trees existing in the embankment stretch. These trees are on the slope of the embankment and there is considerable stress to the slopes of the embankment due to these trees. They have decided to meet the forest official and discuss on removal of these trees for safeguarding the embankment
- Even women members are active and capable of reporting on the embankment condition provided they are oriented properly.
- Technology has its limitations. During the pilot, server at FMISC was not working and so very few messages were received.



8.0 FUNDING MECHANISM - FINANCIAL IMPLICATION OF COMMUNITY PARTICIPATION

Based on the recommendations in workshop a financial model can be developed which will cater to:

- c) Formation and training(capacity building) of community organizations (VLESC/GPLESC)
- d) Developing of Mobile app and information dissemination system and integration of the same into the K-EAMS

During interaction with the community members and also from findings of our survey it is quite apparent that community members are willing to participate in surveillance exercise on a voluntary basis. They recognize the importance of embankment in the safety of their lives and property and will be a willing partner in maintaining its safety. However, based on the requirements of the tools and mediums for information dissemination and for smooth operation of two way communication with the community we are providing a tentative estimate of expenditure needs to be incurred for making community participation in embankment surveillance functional. Some of these costs are one time expenditure while, some other components could be recurring in nature.

8.1 Cost involved in formation of GPLESCs –

Table 17: Cost involved in formation of GPLESCs –

Sl.	Particulars	Amount (INR)
Cost of arranging one GPLESC		
1	Travel to villages for awareness building meetings at Village level (at least 3 visits) @ 500/- per visit	1,500
2	Cost of arranging GP level meeting (Cost of tea and snacks)	500
3	Cost of signage with messages (at Panchayat office), Road side and School and flex boards at various places of the Panchayat	1,500
4	Management costs to NGO/agency conducting meetings @ 500 per meeting for 4 meetings annually including cost of stationary materials	2,000
Total Cost for arranging one GPLESC		5,500
Cost of arranging 50 GP level committees proposed in table no 6		2,75,000

Note – Cost mentioned is based on current prices (March, 2016).

8.2 Cost involved in conducting workshop cum orientation of GPLESCs at Division level:

Table 18: Cost involved in conducting of workshops

Sl	Particulars	Amount (INR)
1	Working lunch, tea for 70 participants @ Rs.125/-	8,750
2	Cost of miking for creation of awareness and inviting participants in the embankment stretch from where participants will come (includes vehicle and mike costs for one day prior to the workshop)	2,500
2	Logistics (Hiring of Audio visual equipment like Microphone, Projector, chair	2,500

Sl	Particulars	Amount (INR)
	tables)	
3	Honorarium to Resource persons @ 500 per person X 2 persons	1,000
4	Miscellaneous expenses (Training materials, banners etc.)	1,500
	Total	16,250
	Cost for 20 Workshops	3,25,000/-

Note – Cost mentioned is based on current prices (March, 2016).

Other costs: Design of Communication Material and costs of boards and hoardings on embankment for alerts and Officials phone numbers across the 10 Divisions

Table 19: Other Costs involved in formation of GPLESCs

SL	Item	UNIT	Rate Rs/unit	Cost
1	Design of Communication Materials** and costs of boards and hoardings on embankment	LS	LS	1000000
2	Communication costs (Toll Free Number)***	LS		500000
	Grand Total			1500000/-

** Items like boards, wall painting, poster etc.

***As per Government Rates

Note – Cost mentioned is based on current prices (March, 2016).



9.0 RECOMMENDATIONS AND WAY FORWARD

During our interaction with community people at various locations in different stages of the conduct of this assignment it was felt by the team members that at times people were critical of the procedures adopted for embankment maintenance by WRD. However, once some technical insights were brought to their notice they soon converted to becoming appreciative of the efforts put by the department in protecting the embankment and their lives.

Many of the misgivings that are mutually shared by the community members and some WRD functionaries are simply borne out of lack or absence of communication. It is hoped that regular interaction in the form of group formation activities, trainings and workshops will provide both the community and department a platform to become appreciative of each other's ideas and expectations.

- At this point this Consultancy Firm would like to take note of the point that there is a need of periodic consultation with the people living near the embankment by WRD and other relevant departments and reiterate the importance of embankments in their lives.
- As has been suggested GPLESC should be formed along the stretch of the embankment in the GPs identified and proposed in the Action plan.
- The pre and post season workshops suggested in the action plan for community participation need to be implemented. This will enable the AEC and the TAC/ KHLC to interact with the community at the Division level biannually and a lot of community identified issues and concerns on the embankment safety could be amicably addressed.
- It was suggested in the 2 day expert consultation workshop on “Improving flood risk management in Bihar” Feb 18-19, 2016, at Hotel Maurya, that Approach, protocols and mechanisms of community participation in Embankment Surveillance developed under this assignment be made an integral part of the Standard Operating Procedures (SOP) and be made mandatory on the part of the Department officials at field level to take forward the agenda of forming , orienting and capacitating the embankment surveillance committees for effective two way communication on embankment surveillance, maintenance and flood risk management.
- It is strongly recommended that WRD should have representation in the various groups that have been suggested to be formed to the extent it is possible. Presence of a WRD functionary in the embankment surveillance committees will help the group in carrying out informed discussion and better acceptance of the department. The current lack of faith in the department and the works pertaining to maintenance of embankments by the department will be changed and looked by the community a measure to protect them.
- Bringing transparency in maintenance work carried out on the embankment through simple means of putting up display boards detailing the task and its costs and period of activity, as is done in other infrastructure projects like roads and bridges will help in acceptance of such activities in the eyes of the local people.
- Attempt should be made to address the defects reported by the community during its surveillance as soon as possible and informing the community about such efforts will strengthen this mechanism.
- Telephone nos. of concerned officers must be displayed at the common place eg. Community centre, schools, *Panchayat Bhawan* etc. to enable the members to pass on the information about the impending danger to the concerned officers immediately for taking appropriate action.
- If the community is made aware of protection works being executed on the embankment, they



would not only cooperate in smooth execution of the works but this will also instill a sense of belongingness on part of the community with respect to the embankment.

- Agency selected for execution of works should to the extent possible employ local laborers and source materials locally.
- The Committees formed for surveillance can become the nodal point for getting reliable labour and also impart training required for carrying out the specialized tasks of embankment repair and maintenance



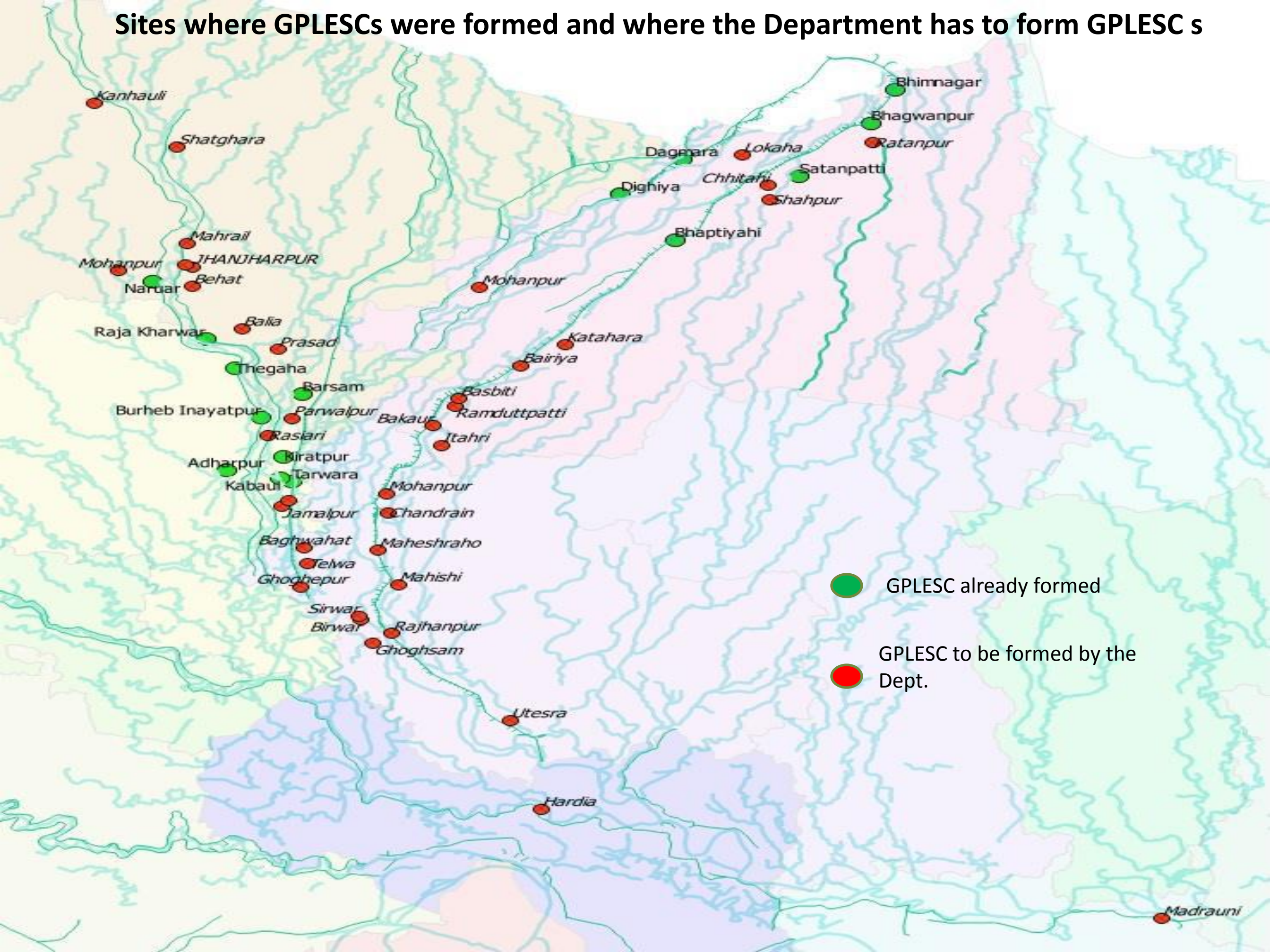
Figure 16: Hoarding installed at Chief Engineer office, Birpur



Figure 15: Hoarding Installed at Bhaptiyahi



Sites where GPLESCs were formed and where the Department has to form GPLESC s





Annexure 1: Details of Committee members formed at Johri/Jodi, Ekaar and Mesraho

Sl. No.	Name of Members	Mobile
Name of Committee: Johri		
1.	Kuldeep Yadav (P)	9939031921
2.	Vijay Shankar Yadav (S)	8877978545
3.	Rupesh Bharti (T)	8877951440
4.	Pradeep Yadav	8051573899
5.	Amar Yadav	8404923490
6.	Rayit Yadav	8837177251
7.	Raja Ram Yadav	8809449614
8.	Mrutunjya Kumar	7631504951
9.	Jai Ram Yadav	9199029470
10.	Jang Bahadur Yadav	7631553994
11.	Nirama Yadav	9570338189
12.	Mithilesh Yadav	8405934983
13.	Ram Bhajan Yadav	9570296309
14.	Shambhu Yadava	9006110585
Name of Committee: Ekaar		
1.	Babukant Thakur (P)	8298429272
2.	Kris Tinkar Thakur (T)	9534062264
3.	Raman Mishra (S)	8877311673
4.	Anil Roy	7549591594
5.	Sudhakar Jha	8002209503
6.	Ishwar Kant Jha	9778056590
7.	Arvind Rai	9934755067
8.	Manhor Rai	9939631676
9.	Raju Chowdhury	7631334434
10.	Rajiv Yadav	7631560436
11.	Harikinkar Jha	9709880663
12.	Saujib Kumar	9570356249
13.	Sujit Kumar	9534664253
Name of Committee: Mesraho		
1.	Vinod Kumar	8406010545
2.	Ravindra Chowdhury	9507732474
3.	Pappu Chowdhury	9771354597
4.	Santan Chowdhury	7033951388
5.	Sachin Shah	7070472283
6.	Krishanavallam Shah	9543850298
7.	Arun Shah	8809266152
8.	Kumod Kumar	7549010552
9.	Saligram Shah	8757700707
10.	Ranjan Shah	8674945056
11.	Pawan Kumar Shah	9717648097
12.	Gunjan Shah	8521642039

Annexure 2 (a): List of members registered in Village level Embankment surveillance committees

1. Raniganj VLESC members with their Phone numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Pawan Manadal	Bhataniya	Bhagwanpur	Raniganj	8294822231
2	Bechan Mandal	Bhataniya	Bhagwanpur	Raniganj	8292510511
3	Ramjitan das	Bhataniya	Bhagwanpur	Raniganj	
4	Chandrashekhar Paswan	Bhataniya	Bhagwanpur	Raniganj	9199895453
5	Bhola Prasad Mehta	Bhataniya	Bhagwanpur	Raniganj	8651203725
6	Shyam Pd Mandal	Bhataniya	Bhagwanpur	Raniganj	8969044433
7	Ranjeet Thakur	Bhataniya	Bhagwanpur	Raniganj	9199121999
8	Madhukant Thakur	Bhataniya	Bhagwanpur	Raniganj	
9	Pappu Kr	Bhataniya	Bhagwanpur	Raniganj	7739146119
10	Vishwanath Mukhiya	Bhataniya	Bhagwanpur	Raniganj	
11	Ramu Das	Bhataniya	Bhagwanpur	Raniganj	9661157312
12	Santosh kr Das	Bhataniya	Bhagwanpur	Raniganj	8292195771

2. Sahewan VLESC members with their Phone numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Shyam Kishore Thakur	Bhataniya	Bhagwanpur	Sahewan	7091547617
2	Ramesh Kr	Bhataniya	Bhagwanpur	Sahewan	8292510540
3	Sakaldeo Poddar	Bhataniya	Bhagwanpur	Sahewan	8969040005
4	Ramjitan Das	Bhataniya	Bhagwanpur	Sahewan	7091547617
5	Ramu Das	Bhataniya	Bhagwanpur	Sahewan	9661157312
6	Anil Kr Das	Bhataniya	Bhagwanpur	Sahewan	8292118965
7	Mangal Das	Bhataniya	Bhagwanpur	Sahewan	9507811423
8	Santosh Das	Bhataniya	Bhagwanpur	Sahewan	8292195771
9	Bharat Thakur	Bhataniya	Bhagwanpur	Sahewan	9939913995
10	Satyanarayan Das	Bhataniya	Bhagwanpur	Sahewan	8757839567
11	Bachan Mukhiya	Bhataniya	Bhagwanpur	Sahewan	8292067478

3. Madhura VLESC members with mobile numbers

Sl No.	Name of office Bearer	District	G.P	Village Name	Mobile
1	Shyam Kishore Thakur	Bhataniya	Bhagwanpur	Madhura	7091547617
2	Ramesh Kr.Yadav	Bhataniya	Bhagwanpur	Madhura	8292510540
3	Sakaldeo Poddar	Bhataniya	Bhagwanpur	Madhura	8969040005

Sl No.	Name of office Bearer	District	G.P	Village Name	Mobile
4	Bharat Thakur	Bhataniya	Bhagwanpur	Madhura	9939413995
5	Suryanarayan Thakur	Bhataniya	Bhagwanpur	Madhura	8969521787
6	Ram Mukhiya	Bhataniya	Bhagwanpur	Madhura	
7	Lalan Kr Thakur	Bhataniya	Bhagwanpur	Madhura	
8	Madhukant Thakur	Bhataniya	Bhagwanpur	Madhura	7739617717
9	Rambalak Thakur	Bhataniya	Bhagwanpur	Madhura	7739550055

4. Shivnagar VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Chandan Mukhiya	Bhataniya	Bhagwanpur	Shivnagar	7739424873
2	Vinod Yadav	Bhataniya	Bhagwanpur	Shivnagar	
3	Lalu Kr Yadav	Bhataniya	Bhagwanpur	Shivnagar	
4	Umesh Mukhiya	Bhataniya	Bhagwanpur	Shivnagar	7543010460
5	Jay Prakash Paswan	Bhataniya	Bhagwanpur	Shivnagar	9162213578
6	Baulal Sharma	Bhataniya	Bhagwanpur	Shivnagar	
7	Santosh Kr Mehta	Bhataniya	Bhagwanpur	Shivnagar	7765970567
8	Ram Balak Thakur	Bhataniya	Bhagwanpur	Shivnagar	
9	Kalikant Jha	Bhataniya	Bhagwanpur	Shivnagar	
10	Bhola Prasad Mehta	Bhataniya	Bhagwanpur	Shivnagar	8651203725
11	Ram chandra Mukhiya	Bhataniya	Bhagwanpur	Shivnagar	

5. Inayatpur VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Ganga Prasad Yadav	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9955240760
2	Ghuran Mukhiya	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	7739156249
3	Chandeshwar Chaupal	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	8292478025
4	Ramlochan Singh	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9931909117
5	Pawan Singh	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9572398781
6	Shila Kumari	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9162125135
7	Ashok Singh	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	8002861087
8	Md.Mustki	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9931909117
9	Ram Bilas Yadav	Jhanjharpur 2	Budhe Inayatpur	Aasma	9931598439
10	Tarakant Yadav	Jhanjharpur 2	Budhe Inayatpur	Aasma	8969313062
11	Chedi Ram	Jhanjharpur 2	Budhe Inayatpur	Aasma	9199317667
12	Bachelal Yadav	Jhanjharpur 2	Budhe Inayatpur	Aasma	9973863176
13	Jugay Yada	Jhanjharpur 2	Budhe Inayatpur	Aasma	9934661939
14	Ram Prasad Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9771946810

15	Virendra Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9204676446
16	Sudhira Mishra	Jhanjharpur 2	Budhe Inayatpur	Kumraul	7562860961
17	Amit Kumar Roy	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9801164464
18	Mukhelal Mukhiya	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9955249934
19	Vindheshwar Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9771145099
20	Sushil Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9199710042
21	Satish Kumar Sharma	Jhanjharpur 2	Budhe Inayatpur	Kumraul	7079070666

6. Aasma VLESC members with mobile numbers

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Ram Bilas Yadav	Jhanjharpur 1	Budhe Inayatpur	Aasma	9931598439
2	Tarakant Yadav	Jhanjharpur 1	Budhe Inayatpur	Aasma	8969313062
3	Chedi Ram	Jhanjharpur 1	Budhe Inayatpur	Aasma	9199317667
4	Bachelal Yadav	Jhanjharpur 1	Budhe Inayatpur	Aasma	9973863176
5	Jugay Yada	Jhanjharpur 1	Budhe Inayatpur	Aasma	9934661939

7. Kumraul VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Ram Prasad Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9771946810
2	Virendra Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9204676446
3	Sudhira Mishra	Jhanjharpur 2	Budhe Inayatpur	Kumraul	7562860961
4	Amit Kumar Roy	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9801164464
5	Mukhelal Mukhiya	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9955249934
6	Vindheshwar Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9771145099
7	Sushil Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9199710042
8	Satish Kumar Sharma	Jhanjharpur 2	Budhe Inayatpur	Kumraul	7079070666

8. Kalyanpur VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Bauaalal Mehta	Bhataniya	Bhaptiyahi	Kalyanpur	7549475304
2	Prameshwar Kumar	Bhataniya	Bhaptiyahi	Kalyanpur	7549475304
3	Manish Kumar	Bhataniya	Bhaptiyahi	Kalyanpur	8084646592
4	Parmanand Mehta	Bhataniya	Bhaptiyahi	Kalyanpur	7761839800
5	Sankar Kr	Bhataniya	Bhaptiyahi	Kalyanpur	8226936229
6	Ramdev Mehta	Bhataniya	Bhaptiyahi	Kalyanpur	8292782412
7	Shiv Jee Mehta	Bhataniya	Bhaptiyahi	Kalyanpur	9939663472

9. Bhaptiyahi VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Bhola Mehta	Bhataniya	Bhaptiyahi	Bhaptiyahi	9056119493
2	Kapileshwar Mehta	Bhataniya	Bhaptiyahi	Bhaptiyahi	
3	Alok Kr	Bhataniya	Bhaptiyahi	Bhaptiyahi	8298330206
4	Surendra Kr	Bhataniya	Bhaptiyahi	Bhaptiyahi	9507646339
5	Dev Kr Mehta	Bhataniya	Bhaptiyahi	Bhaptiyahi	9955702933
6	Santosh Kr Mehta	Bhataniya	Bhaptiyahi	Bhaptiyahi	

10. Balthi VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Md.Firoj Alam	Nirmali	Barsam	Balthi	9006054777
2	Md.Edarish	Nirmali	Barsam	Balthi	9973410174
3	Md.Washi Ahmed	Nirmali	Barsam	Balthi	8298729244
4	Mahendra Saday	Nirmali	Barsam	Balthi	9006502009
5	Md.Jubair Ahmed	Nirmali	Barsam	Balthi	8298516738
6	Md.Salim	Nirmali	Barsam	Balthi	8873947206
7	Md. Alludin	Nirmali	Barsam	Balthi	
8	Md.Ramjan Ali	Nirmali	Barsam	Balthi	9006786252
9	Md. Sabir Ahmed	Nirmali	Barsam	Balthi	7631969117
10	Md.Sakil Ahmed	Nirmali	Barsam	Balthi	9631878518
11	Md. Soyab Tasar	Nirmali	Barsam	Balthi	9572237311
12	Md. Nayim Keshar	Nirmali	Barsam	Balthi	8877897412
13	Md.Ibrahim	Nirmali	Barsam	Balthi	7631968790

11. Bath VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Bimlesh Thakur	Jhanjharpur 2	Adharpur	Bath	9102848046
2	Kamlesh Thakur	Jhanjharpur 2	Adharpur	Bath	9973981245
3	Krishna Kumar Jha	Jhanjharpur 2	Adharpur	Bath	9199309512
4	Shankar Jha	Jhanjharpur 2	Adharpur	Bath	9661788328
5	Vashudev Kamat	Jhanjharpur 2	Adharpur	Bath	9931749173
6	Ajay Yadav	Jhanjharpur 2	Adharpur	Bath	9570490930
7	Brahmdev Yadav	Jhanjharpur 2	Adharpur	Bath	9973078479
8	Ratan Mishra	Jhanjharpur 2	Adharpur	Bath	7070774261
9	Sanjeev Mishra	Jhanjharpur 2	Adharpur	Bath	8677991227
10	Md.Shamim Raean	Jhanjharpur 2	Adharpur	Bath	9955729300
11	Vijay Paswan	Jhanjharpur 2	Adharpur	Bath	8294898755
12	Dinesh Kamti	jhanjharpur 2	Adharpur	Bath	

12. Mansara VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Ramashis Yadav	Jhanjharpur 2	Adharpur	Manasara	9431857651
2	Yashodhar Mahto	Jhanjharpur 2	Adharpur	Manasara	7549582552
3	Tetar Shah	Jhanjharpur 2	Adharpur	Manasara	9798167226
4	Ram Prakash Yadav	Jhanjharpur 2	Adharpur	Manasara	
5	Shravan Mandal	Jhanjharpur 2	Adharpur	Manasara	8877667537
6	Pappu Yadav	Jhanjharpur 2	Adharpur	Manasara	7296019525
7	Girijanand Yadav	Jhanjharpur 2	Adharpur	Manasara	
8	Lalit Shah	Jhanjharpur 2	Adharpur	Manasara	
9	Naveen Yadav	Jhanjharpur 2	Adharpur	Manasara	
10	Narender Yadav	Jhanjharpur 2	Adharpur	Manasara	
11	Kusho Thakur	Jhanjharpur 2	Adharpur	Manasara	
12	Maheswar Yadav	Jhanjharpur 2	Adharpur	Manasara	8226982823
13	Munni lala Yadav	Jhanjharpur 2	Adharpur	Manasara	

13. Dagmara VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Ravindra Kr Kamat	Nirmali	Dagmara	Dagmara	7739530515
2	Anil Kr Kamat	Nirmali	Dagmara	Dagmara	8969587320
3	Satyanarayan Kamat	Nirmali	Dagmara	Dagmara	7091151388
4	Dev N. Mehta	Nirmali	Dagmara	Dagmara	
5	Shri Prasad Mehta	Nirmali	Dagmara	Dagmara	
6	Jivach Kamat	Nirmali	Dagmara	Dagmara	
7	Durga Devi	Nirmali	Dagmara	Dagmara	9931845941
8	Sundar Kamat	Nirmali	Dagmara	Dagmara	9661677152
9	Vinod Kamat	Nirmali	Dagmara	Dagmara	9661517368
10	Baleshwar Kamat	Nirmali	Dagmara	Dagmara	8002841623
11	Shyam Sundar Kamat	Nirmali	Dagmara	Dagmara	9973387525
12	Prabhu Nath Mehta	Nirmali	Dagmara	Dagmara	7091066644

14. Lalmanpatti VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Ram Narayan Mukhiya	Nirmali	Dagmara	lalmanpatti	
2	Amrendra Kr Sah	Nirmali	Dagmara	lalmanpatti	
3	Dinanath Sah	Nirmali	Dagmara	lalmanpatti	8294119481
4	Ram Kr Sah	Nirmali	Dagmara	lalmanpatti	8002171374
5	Vipin Mukhiya	Nirmali	Dagmara	lalmanpatti	

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
6	Deonarayan Mukhiya	Nirmali	Dagmara	lalmanpatti	
7	Mahendra Raut	Nirmali	Dagmara	lalmanpatti	
8	Yogendra Ram	Nirmali	Dagmara	lalmanpatti	
9	Ganga Ram	Nirmali	Dagmara	lalmanpatti	
10	Nirendra Sahani	Nirmali	Dagmara	lalmanpatti	

15. Nayatola VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Ram NarayanMandal	Nirmali	Dagmara	Nayatola	
2	Dev N. Mukhiya	Nirmali	Dagmara	Nayatola	
3	Laxmi Thakur	Nirmali	Dagmara	Sikrhatta	
4	Lalan Sah	Nirmali	Dagmara	Sikrhatta	9955087576
5	Devendra Mandal	Nirmali	Dagmara	Sikrhatta	8969610128
6	Ram deo Paswan	Nirmali	Dagmara	Sikrhatta	
7	Panne Lal Sada	Nirmali	Dagmara	Sikrhatta	
8	tetar Mehta	Nirmali	Dagmara	Sikrhatta	
9	Lalit Mehta	Nirmali	Dagmara	Sikrhatta	
10	Gangay Kamat	Nirmali	Dagmara	Sikrhatta	7739530515
11	Chandra Ram	Nirmali	Dagmara	Sikrhatta	7033982867
12	Badri Kamat	Nirmali	Dagmara	Sikrhatta	

16. Dighiya VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Shiv Narayan Singh	Nirmali	Dighiya	Dighiya	9199418946
2	Ramdev Sah	Nirmali	Dighiya	Dighiya	9162255067
3	Shrawan Kumar Ray	Nirmali	Dighiya	Dighiya	8969819154
4	Ram Prasad Roy	Nirmali	Dighiya	Dighiya	
5	Aman Kr	Nirmali	Dighiya	Dighiya	
6	Vijay Singh	Nirmali	Dighiya	Dighiya	
7	Balram Thakur	Nirmali	Dighiya	Dighiya	
8	Dhirendra Kr Sharma	Nirmali	Dighiya	Dighiya	
9	RamChandra Mukhiya	Nirmali	Dighiya	Dighiya	
10	Dev Kr Singh	Nirmali	Dighiya	Dighiya	
11	Dharmalal Sah	Nirmali	Dighiya	Dighiya	
12	Pritam Mukhiya	Nirmali	Dighiya	Dighiya	
13	Biajnath Roy	Nirmali	Dighiya	Dighiya	

17. Dudhela VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Kameshwar Manadal	Nirmali	Dighiya	Dudhela	8292500374
2	Kapleshwar Mandal	Nirmali	Dighiya	Dudhela	8521581134
3	Udekant Mandal	Nirmali	Dighiya	Dudhela	9135781129
4	Umesh Singh	Nirmali	Dighiya	Dudhela	7739353366
5	Virendra Kr Mandal	Nirmali	Dighiya	Dudhela	7250269187
6	UmeshMandal	Nirmali	Dighiya	Dudhela	8084270253
7	Bacha Lal Sah	Nirmali	Dighiya	Dudhela	
8	Tilkeshwar Pandit	Nirmali	Dighiya	Dudhela	
9	Santosh Yadav	Nirmali	Dighiya	Dudhela	9973421075
10	Bacha lal yadav	Nirmali	Dighiya	Dudhela	8084257888
11	Kapleshwar yadav	Nirmali	Dighiya	Dudhela	9801636299
12	Kamal Mandal	Nirmali	Dighiya	Dudhela	9576724410

18. Terwara VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Bharat Prasad Yadav	Nirmali	JhagruaTerwara	Terwara	9939654715
2	Laxmi Narayan Yadav	Nirmali	JhagruaTerwara	Terwara	7759075284
3	Rupkant Yadav	Nirmali	JhagruaTerwara	Terwara	8229010145
4	Manoj Kr Jha	Nirmali	JhagruaTerwara	Terwara	8051993466
5	Ajit Kr	Nirmali	JhagruaTerwara	Terwara	7762861171
6	jaylal yadav	Nirmali	jhagruaTerwara	terwara	7292847322
7	Brahmdev Yadav	Nirmali	jhagruaTerwara	terwara	9576003128
8	Mahakant Yadav	Nirmali	jhagruaTerwara	terwara	
9	Dilip Yadav	Nirmali	jhagruaTerwara	terwara	7759075283
10	Md. Hasan	Nirmali	jhagruaTerwara	terwara	9931553190
11	pukar yadav	Nirmali	JhagruaTerwara	terwara	
12	Ram Prasad Sada	Nirmali	JhagruaTerwara	terwara	7319950439
13	Manoj Sada	Nirmali	JhagruaTerwara	terwara	
14	Abhinadan Yadav	Nirmali	JhagruaTerwara	terwara	9546524309
15	Dasrath Yadav	Nirmali	JhagruaTerwara	terwara	9661234153

19. Tetri VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Shrawan Kr yadav	Nirmali	Kubauldanga	Tetari	9955552667
2	Umesh Pd Yadav	Nirmali	Kubauldanga	Tetari	9934723346
3	Rambilash Yadav	Nirmali	Kubauldanga	Tetari	9507240394
4	Ramchandra Ram	Nirmali	Kubauldanga	Tetari	7858811656

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
5	Santosh yadav	Nirmali	Kubauldanga	Tetari	9801313162
6	Vinod Kr	Nirmali	Kubauldanga	Tetari	7077155508
7	Sakladev Ram	Nirmali	Kubauldanga	Tetari	8084090307
8	Amarjeet Kumar	Nirmali	Kubauldanga	Tetari	8084090256
9	Vinod Kr Sahu	Nirmali	Kubauldanga	Tetari	7033232490
10	Satya n. Yadav	Nirmali	Kubauldanga	Tetari	9955552688
11	Satendra kr	Nirmali	Kubauldanga	Tetari	9162100110
12	Babu Saheb Yadav	Nirmali	Kubauldanga	Tetari	8298401972
13	Kailash Sharma	Nirmali	Kubauldanga	Tetari	9931347896

20. Kiratpur VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Srikant Yadav	Nirmali	Kiratpur	Kiratpur	9472263842
2	Virchand Yadav	Nirmali	Kiratpur	Kiratpur	8969508520
3	Uday Yadav	Nirmali	Kiratpur	Kiratpur	7782081298
4	Chandravir Kr	Nirmali	Kiratpur	Kiratpur	9835220274
5	Ranjeet Kr yadav	Nirmali	Kiratpur	Kiratpur	9973519414
6	Jyoti Sada	Nirmali	Kiratpur	Kiratpur	
7	Jagarnath Yadav	Nirmali	Kiratpur	Nima	9572565131
8	Jhari Chaupal	Nirmali	Kiratpur	Kiratpur	8571904375
9	Amarjeet Kr Yadav	Nirmali	Kiratpur	Kiratpur	8051660708
10	Shushil Kr Yadav	Nirmali	Kiratpur	Kiratpur	7292852235
11	Manoj Sada	Nirmali	Kiratpur	Jhilkhera	8521022028
12	Ram Bilash Sada	Nirmali	Kiratpur	Jhilkhera	9955995984
13	Naresh Yadav	Nirmali	Kiratpur	Kiratpur	

21. Kiratpur VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Shambhu Nath Jha	Jhanjharpur 2	Madanpur	Rataul	7563882880
2	Hari Mohan Kumar Yadav	Jhanjharpur 2	Madanpur	Rataul	9199809280
3	Keshav Jha	Jhanjharpur 2	Madanpur	Rataul	9135534087
4	Prakash Mishra	Jhanjharpur 2	Madanpur	Rataul	7070108389
5	Vishal Mandal	Jhanjharpur 2	Madanpur	Rataul	9572022041
6	Sudhir Kumar Yadav	Jhanjharpur 2	Madanpur	Rataul	9135994779
7	Vikash Roy	Jhanjharpur 2	Madanpur	Rataul	7739912226
8	Rakesh Sahu	Jhanjharpur 2	Madanpur	Rataul	9576710644
9	Nitish Sahu	Jhanjharpur 2	Madanpur	Rataul	9939753543

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
10	Ajit Jha	Jhanjharpur 2	Madanpur	Rataul	9931662469
11	pawan Kr. Mishra	Jhanjharpur 2	Madanpur	Rataul	7549765405
12	Bhaira Sah	Jhanjharpur 2	Madanpur	Rataul	9560333870

22. Naruar VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Raghav Choudhry	Jhanjharpur 2	Naruar	Naruar	8674904789
2	Vishnudev Paswan	Jhanjharpur 2	Naruar	Naruar	8406843869
3	Ganesh Mukhia	Jhanjharpur 2	Naruar	Naruar	7549837243
4	Rudrakant Jha	Jhanjharpur 2	Naruar	Naruar	9931116300
5	Santosh Kumar Jha	Jhanjharpur 2	Naruar	Naruar	9570355926
6	Ramchandra choudhry	Jhanjharpur 2	Naruar	Naruar	9939373509
7	Chandan Choudhary	Jhanjharpur 2	Naruar	Naruar	7549224729
8	Amarnath Choudhary	Jhanjharpur 2	Naruar	Naruar	7549224719
9	Rajan Choudhary	Jhanjharpur 2	Naruar	Naruar	8298826004
10	Balram Choudhary	Jhanjharpur 2	Naruar	Naruar	7544956567
11	Lal Choudhary	Jhanjharpur 2	Naruar	Naruar	
12	Upendra Sada	Jhanjharpur 2	Naruar	Naruar	

23. Narpatpatti VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Ramji Mehta	Bhataniya	Narpatpatti	Narpatpatti	9801886621
2	Amod Kr. Singh	Bhataniya	Narpatpatti	Narpatpatti	7091869837
3	Md.Safif Rahman	Bhataniya	Narpatpatti	Narpatpatti	7782063461
4	BibiSahleha Khatun	Bhataniya	Narpatpatti	Narpatpatti	9472209356
5	Anuragi Devi	Bhataniya	Narpatpatti	Dada	7739632664
6	Mira Devi	Bhataniya	Narpatpatti	Satanpatti	8757124609
7	Md.Wakil	Bhataniya	Narpatpatti	Satanpatti	8757946216
8	Mritunjay Jha	Bhataniya	Narpatpatti	Lalmanpatti	9661039117
9	Sachidanand Yadav	Bhataniya	Narpatpatti	Lalmanpatti	8809762496
10	Md. Iliyas	Bhataniya	Narpatpatti	Dada	9199920478
11	Amlesh Paswan	Bhataniya	Narpatpatti	Dada	
12	Kamlesh Sah	Bhataniya	Narpatpatti	Dada	9431281644
13	Abhay Kant Jha	Bhataniya	Narpatpatti	Dada	7739948226

24. Dadha VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Anuragi Devi	Bhataniya	Narpatpatti	Dadha	7739632664
2	Md. Iliyas	Bhataniya	Narpatpatti	Dadha	9199920478
3	Amlesh Paswan	Bhataniya	Narpatpatti	Dadha	
4	Kamlesh Sah	Bhataniya	Narpatpatti	Dadha	9431281644
5	Abhay Kant Jha	Bhataniya	Narpatpatti	Dadha	7739948226
6	RamJee Mehta	Bhataniya	Narpatpatti	Dadha	
7	Amod Kr Singh	Bhataniya	Narpatpatti	Dadha	
8	SafiqRahman	Bhataniya	Narpatpatti	Dadha	
9	Arun Singh	Bhataniya	Narpatpatti	Dadha	
10	Chandra Deo Yadav	Bhataniya	Narpatpatti	Dadha	
11	Md. Kamuruddin	Bhataniya	Narpatpatti	Dadha	

25. Lamanpatti (N) VLESC members with mobile numbers

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Mritunjay Jha	Bhataniya	Narpatpatti	Lalmanpatti (N)	9661039117
2	Sachidanand Yadav	Bhataniya	Narpatpatti	Lalmanpatti (N)	8809762496
3	Abdul jabir	Bhataniya	Narpatpatti	Lalmanpatti (N)	9661269515
4	Ramashish Mehta	Bhataniya	Narpatpatti	Lalmanpatti (N)	9931296664
5	Vikash yadav	Bhataniya	Narpatpatti	Lalmanpatti (N)	9939751375
6	Prabhu Yadav	Bhataniya	Narpatpatti	Lalmanpatti (N)	
7	Umeshkr	Bhataniya	Narpatpatti	Lalmanpatti (N)	
8	Sunil kr	Bhataniya	Narpatpatti	Lalmanpatti (N)	
9	Jyotish Kr	Bhataniya	Narpatpatti	Lalmanpatti (N)	
10	Vasudev Yadav	Bhataniya	Narpatpatti	Lalmanpatti (N)	

26. Satanpatti VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Mira Devi	Bhataniya	Narpatpatti	Satanpatti	8757124609
2	Md.Wakil	Bhataniya	Narpatpatti	Satanpatti	8757946216
3	Mritunjay Jha	Bhataniya	Narpatpatti	Lalmanpatti	9661039117
4	Sachidanand Yadav	Bhataniya	Narpatpatti	Lalmanpatti	8809762496
5	Ramashish Mehta	Bhataniya	Narpatpatti	Lalmanpatti	9931296664
6	Abbdul Jabar	Bhataniya	Narpatpatti	Lalmanpatti	9431680178
7	Abhay kant Jha	Bhataniya	Narpatpatti	Lalmanpatti	7739948226
8	Shambhu Kr sah	Bhataniya	Narpatpatti	Lalmanpatti	9006102014

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
9	Prabhu Kr Sah	Bhataniya	Narpatpatti	Lalmanpatti	7258982233
10	Kishun deo suthar	Bhataniya	Narpatpatti	Lalmanpatti	
11	Md. Riyaz	Bhataniya	Narpatpatti	Lalmanpatti	

27. Sutariya VLESC members with mobile numbers

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Rajesh Kumar Sah	Jhanjharpur 2	Rajakharbar	Sutariya	7631303660
2	Muntun Sah	Jhanjharpur 2	Rajakharbar	Sutariya	9525362340
3	Ashok Kr Saday	Jhanjharpur 2	Rajakharbar	Sutariya	7352936949
4	Ram Prasad sah	Jhanjharpur 2	Rajakharbar	Sutariya	8651213356
5	Ram Vilash Sahu	Jhanjharpur 2	Rajakharbar	Sutariya	8877121354
6	Manoj Kr Singh	Jhanjharpur 2	Rajakharbar	Sutariya	9570805154
7	Malar Sada	Jhanjharpur 2	Rajakharbar	Sutariya	
8	Malai Sada	Jhanjharpur 2	Rajakharbar	Sutariya	
9	Asharfi Sah	Jhanjharpur 2	Rajakharbar	Sutariya	
10	Madho Sada	Jhanjharpur 2	Rajakharbar	Sutariya	

28. Devna VLESC members with mobile numbers

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Umesh Yadav	Jhanjharpur 2	Tegha	Devna	8002127478
2	Biadhnath Yadav	Jhanjharpur 2	Tegha	Devna	9939650873
3	Ramnaresh Yadav	Jhanjharpur 2	Tegha	Devna	9955985151
4	Sakhichand Saday	Jhanjharpur 2	Tegha	Devna	8298255621
5	Durga Nand Paswan	Jhanjharpur 2	Tegha	Devna	9570224424
6	Ramlal Yadav	Jhanjharpur 2	Tegha	Devna	9955985151
7	Raman Saday	Jhanjharpur 2	Tegha	Devna	
8	Phulo Saday	Jhanjharpur 2	Tegha	Devna	
9	Sambodhan Saday	Jhanjharpur 2	Tegha	Devna	
10	Jhagru Saday	Jhanjharpur 2	Tegha	Devna	
11	Raj Kumar Ram	Jhanjharpur 2	Tegha	Devna	

29. Bhimnagar VLESC members with mobile numbers

Sl No.	Name of office Bearer	District	G.P	Village Name	Mobile
1	Karan Giri	Bhataniya	Basantpur	Bhimnagar	9572440600
2	Dev Narayan Ram	Bhataniya	Basantpur	Bhimnagar	9973635714

3	Suresh Sah	Bhataniya	Basantpur	Bhimnagar	8434932635
4	Shiv kr.Gupta	Bhataniya	Basantpur	Bhimnagar	9199794934
5	Bhola Sah	Bhataniya	Basantpur	Bhimnagar	9931385974
6	Md.Naiem	Bhataniya	Basantpur	Bhimnagar	9631231769
7	Mohan Mandal	Bhataniya	Basantpur	Bhimnagar	8862849139
8	Shyam Mandal	Bhataniya	Basantpur	Bhimnagar	9931354032
9	Sanjay Kr.	Bhataniya	Basantpur	Bhimnagar	8540807003
10	Md.Jamal	Bhataniya	Basantpur	Bhimnagar	9122568267
11	Umesh Prasad Thakur	Bhataniya	Basantpur	Bhimnagar	9430242790
12	Udyanand Giri	Bhataniya	Basantpur	Bhimnagar	7050016559
13	Satyanarayan Sah	Bhataniya	Basantpur	Bhimnagar	9801541811
14	Shamila Khatun	Bhataniya	Basantpur	Bhimnagar	
15	Bhiva Devi	Bhataniya	Basantpur	Bhimnagar	
16	Anita Devi	Bhataniya	Basantpur	Bhimnagar	
17	Lila Devi	Bhataniya	Basantpur	Bhimnagar	
18	Rajesh Thakur	Bhataniya	Basantpur	Bhimnagar	8409434570
19	Sadanand Sharma	Bhataniya	Basantpur	Bhimnagar	8540073287

Annexure 2 (b): List of members registered in Gram Panchayat level Embankment Surveillance Committees (GPLESC)

1. Adharpur Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Bimlesh Thakur	Jhanjharpur 2	Adharpur	Bath	9102848046
2	Kamlesh Thakur	Jhanjharpur 2	Adharpur	Bath	9973981245
3	Krishna Kumar Jha	Jhanjharpur 2	Adharpur	Bath	9199309512
4	Shankar Jha	Jhanjharpur 2	Adharpur	Bath	9661788328
5	Vashudev Kamat	Jhanjharpur 2	Adharpur	Bath	9931749173
6	Ajay Yadav	Jhanjharpur 2	Adharpur	Bath	9570490930
7	Brahmdev Yadav	Jhanjharpur 2	Adharpur	Bath	9973078479
8	Ratan Mishra	Jhanjharpur 2	Adharpur	Bath	7070774261
9	Sanjeev Mishra	Jhanjharpur 2	Adharpur	Bath	8677991227
10	Md.Shamim Raean	Jhanjharpur 2	Adharpur	Bath	9955729300
11	Vijay Paswan	Jhanjharpur 2	Adharpur	Bath	8294898755
12	Dinesh Kamti	Jhanjharpur 2	Adharpur	Bath	
13	Ramashis Yadav	Jhanjharpur 2	Adharpur	Manasara	9431857651
14	Yashodhar Mahto	Jhanjharpur 2	Adharpur	Manasara	7549582552
15	Tetar Shah	Jhanjharpur 2	Adharpur	Manasara	9798167226
16	Ram Prakash Yadav	Jhanjharpur 2	Adharpur	Manasara	
17	Shravan Mandal	Jhanjharpur 2	Adharpur	Manasara	8877667537
18	Pappu Yadav	Jhanjharpur 2	Adharpur	Manasara	7296019525
19	Girijanand Yadav	Jhanjharpur 2	Adharpur	Manasara	
20	Lalit Shah	Jhanjharpur 2	Adharpur	Manasara	
21	Naveen Yadav	Jhanjharpur 2	Adharpur	Manasara	
22	Narender Yadav	Jhanjharpur 2	Adharpur	Manasara	

2. Bhagwanpur Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Shyam Kishore Thakur	Bhataniya/Birpur	Bhagawanpur	Bhagwanpur	7090547617
2	Ramesh Kr Yadav	Bhataniya/Birpur	Bhagawanpur	Shivnagar	8292510540
3	Sakldev Poddar	Bhataniya/Birpur	Bhagawanpur	Bhagwanpur	8969040005
4	Madhukant Thakur	Bhataniya/Birpur	Bhagawanpur	Madhura	8969040005
5	Lalan Thakur	Bhataniya/Birpur	Bhagawanpur	Madhura	7739617717
6	Bechan Mukhiya	Bhataniya/Birpur	Bhagawanpur	Sahewan	8292067978
7	Vishwanath Mukhiya	Bhataniya/Birpur	Bhagawanpur	Sahewan	9546838280
8	Santosh Kr Das	Bhataniya/Birpur	Bhagawanpur	Sahewan	8292195771

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
9	Bharat Thakur	Bhataniya/Birpur	Bhagawanpur	Madhura	9939413995
10	Mangal Das	Bhataniya/Birpur	Bhagawanpur	Sahewan	9507811423
11	Dhirendra Pd Yadav	Bhataniya/Birpur	Bhagawanpur	Shivnagar	9507811423
12	Ram narayan yadav	Bhataniya/Birpur	Bhagawanpur	Shivnagar	

3. B. Inayatpur Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	District	G.P	Village Name	Mobile
1	Ganga Prasad Yadav	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9955240760
2	Ghuran Mukhiya	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	7739156249
3	Chandeshwar Chaupal	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	8292478025
4	Ramlochan Singh	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9931909117
5	Pawan Singh	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9572398781
6	Shila Kumari	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9162125135
7	Ashok Singh	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	8002861087
8	Md.Mustki	Jhanjharpur 2	Budhe Inayatpur	Inayatpur	9931909117
9	Ram Bilas Yadav	jhanjharpur1	Budhe Inayatpur	Aasma	9931598439
10	Tarakant Yadav	jhanjharpur 1	Budhe Inayatpur	Aasma	8969313062
11	Chedi Ram	jhanjharpur 1	Budhe Inayatpur	Aasma	9199317667
12	Bachelal Yadav	jhanjharpur 1	Budhe Inayatpur	Aasma	9973863176
13	Jugay Yada	jhanjharpur 1	Budhe Inayatpur	Aasma	9934661939
14	Ram Prasad Yadav	jhanjharpur 2	Budhe Inayatpur	Kumraul	9771946810
15	Virendra Yadav	jhanjharpur 2	Budhe Inayatpur	Kumraul	9204676446
16	Sudhira Mishra	jhanjharpur 2	Budhe Inayatpur	Kumraul	7562860961
17	Amit Kumar Roy	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9801164464
18	Mukhelal Mukhiya	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9955249934
19	Vindheshwar Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9771145099
20	Sushil Yadav	Jhanjharpur 2	Budhe Inayatpur	Kumraul	9199710042
21	Satish Kumar Sharma	Jhanjharpur 2	Budhe Inayatpur	Kumraul	7079070666

4. B. Inayatpur Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Bauaalal Mehta	Bhataniya/Birpur	Bhaptiyahi	Kalyanpur	7549475304
2	Prameshwar Kumar	Bhataniya/Birpur	Bhaptiyahi	Kalyanpur	7549475304
3	Manish Kumar	Bhataniya/Birpur	Bhaptiyahi	Kalyanpur	8084646592
4	Bhola Mehta	Bhataniya/Birpur	Bhaptiyahi	Bhaptiyahi	9056119493
5	Kapileshwar Mehta	Bhataniya/Birpur	Bhaptiyahi	Bhaptiyahi	
6	Alok Kr	Bhataniya/Birpur	Bhaptiyahi	Bhaptiyahi	8298330206

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
7	Surendra Kr	Bhataniya/Birpur	Bhaptiyahi	Bhaptiyahi	9507646339
8	Dev Kr Mehta	Bhataniya/Birpur	Bhaptiyahi	Bhaptiyahi	9955702933
9	Santosh Kr Mehta	Bhataniya/Birpur	Bhaptiyahi	Bhaptiyahi	
10	Parmanand Mehta	Bhataniya/Birpur	Bhaptiyahi	Kalyanpur	7761839800
11	Sankar Kr	Bhataniya/Birpur	Bhaptiyahi	Kalyanpur	8226936229
12	Ramdev Mehta	Bhataniya/Birpur	Bhaptiyahi	Kalyanpur	8292782412
13	Shiv Jee Mehta	Bhataniya/Birpur	Bhaptiyahi	Kalyanpur	9939663472

5. Barsam Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Md.Firoj Alam	Nirmali	Barsam	Balthi	9006054777
2	Md.Edarish	Nirmali	Barsam	Balthi	9973410174
3	Md.Washi Ahmed	Nirmali	Barsam	Balthi	8298729244
4	Mahendra Saday	Nirmali	Barsam	Balthi	9006502009
5	Md.Jubair Ahmed	Nirmali	Barsam	Balthi	8298516738
6	Md.Salim	Nirmali	Barsam	Balthi	8873947206
7	Md. Alludin	Nirmali	Barsam	Balthi	
8	Md.Ramjan Ali	Nirmali	Barsam	Balthi	9006786252
9	Md. Sabir Ahmed	Nirmali	Barsam	Balthi	7631969117
10	Md.Sakil Ahmed	Nirmali	Barsam	Balthi	9631878518
11	Md. Soyab Tasar	Nirmali	Barsam	Balthi	9572237311
12	Md. Nayim Keshar	Nirmali	Barsam	Balthi	8877897412
13	Md.Ibrahim	Nirmali	Barsam	Balthi	7631968790

6. Dagmara Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Ravindra Kr Kamat	Nirmali	Dagmara	Dagmara	7739530515
2	Anil Kr Kamat	Nirmali	Dagmara	Dagmara	8969587320
3	Satyanarayan Kamat	Nirmali	Dagmara	Dagmara	7091151388
4	Ram Narayan Mukhiya	Nirmali	Dagmara	lalmanpatti	
5	Amrendra Kr Sah	Nirmali	Dagmara	lalmanpatti	
6	Ram NarayanMandal	Nirmali	Dagmara	Nayatola	
7	Dev N. Mukhiya	Nirmali	Dagmara	Nayatola	
8	Laxmi Thakur	Nirmali	Dagmara	Sikrhatta	
9	Lalan Sah	Nirmali	Dagmara	Sikrhatta	
10	Dev N. Mehta	Nirmali	Dagmara	Dagmara	
11	Shri Prasad Mehta	Nirmali	Dagmara	Dagmara	
12	Jivach Kamat	Nirmali	Dagmara	Dagmara	
13	Durga Devi	Nirmali	Dagmara	Dagmara	

7. Dighia Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Shiv Narayan Singh	Nirmali	Dighiya	Dighiya	9199418946
2	Ramdev Sah	Nirmali	Dighiya	Dighiya	9162255067
3	Shrawan Kumar Ray	Nirmali	Dighiya	Dighiya	8969819154
4	Ram Prasad Roy	Nirmali	Dighiya	Dighiya	
5	Aman Kr	Nirmali	Dighiya	Dighiya	
6	Vijay Singh	Nirmali	Dighiya	Dighiya	
7	Balram Thakur	Nirmali	Dighiya	Dighiya	
8	Dhirendra Kr Sharma	Nirmali	Dighiya	Dighiya	
9	RamChandra Mukhiya	Nirmali	Dighiya	Dighiya	
10	Dev Kr Singh	Nirmali	Dighiya	Dighiya	
11	Dharmalal Sah	Nirmali	Dighiya	Dighiya	
12	Pritam Mukhiya	Nirmali	Dighiya	Dighiya	
13	Biajnath Roy	Nirmali	Dighiya	Dighiya	

8. J.Terwara Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Bharat Prasad Yadav	Nirmali	JhagruaTerwara	Terwara	9939654715
2	Laxmi Narayan Yadav	Nirmali	JhagruaTerwara	Terwara	7759075284
3	Rupkant Yadav	Nirmali	JhagruaTerwara	Terwara	8229010145
4	Manoj Kr Jha	Nirmali	JhagruaTerwara	Terwara	8051993466
5	Ajit Kr	Nirmali	JhagruaTerwara	Terwara	7762861171
6	jaylal yadav	Nirmali	jhagruaTerwara	terwara	7292847322
7	Brahmdev Yadav	Nirmali	jhagruaTerwara	terwara	9576003128
8	Mahakant Yadav	Nirmali	jhagruaTerwara	terwara	
9	Dilip Yadav	Nirmali	jhagruaTerwara	terwara	7759075283
10	Md. Hasan	Nirmali	jhagruaTerwara	terwara	9931553190
11	pukar yadav	Nirmali	JhagruaTerwara	terwara	
12	Ram Prasad Sada	Nirmali	JhagruaTerwara	terwara	7319950439
13	Manoj Sada	Nirmali	JhagruaTerwara	terwara	
14	Abhinadan Yadav	Nirmali	JhagruaTerwara	terwara	9546524309
15	Dasrath Yadav	Nirmali	JhagruaTerwara	terwara	9661234153

9. Kabauldanga Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Shrawan Kr yadav	Nirmali	Kubauldanga	Tetari	9955552667
2	Umesh Pd Yadav	Nirmali	Kubauldanga	Tetari	9934723346
3	Rambilash Yadav	Nirmali	Kubauldanga	Tetari	9507240394
4	Ramchandra Ram	Nirmali	Kubauldanga	Tetari	7858811656
5	Santosh yadav	Nirmali	Kubauldanga	Tetari	9801313162
6	Vinod Kr	Nirmali	Kubauldanga	Tetari	7077155508
7	Sakladev Ram	Nirmali	Kubauldanga	Tetari	8084090307
8	Amarjeet Kumar	Nirmali	Kubauldanga	Tetari	8084090256
9	Vinod Kr Sahu	Nirmali	Kubauldanga	Tetari	7033232490
10	Satya n. Yadav	Nirmali	Kubauldanga	Tetari	9955552688
11	Satendra kr	Nirmali	Kubauldanga	Tetari	9162100110
12	Babu Saheb Yadav	Nirmali	Kubauldanga	Tetari	8298401972
13	Kailash Sharma	Nirmali	Kubauldanga	Tetari	9931347896

10. Kiratpur Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Srikant Yadav	Nirmali	Kiratpur	Kiratpur	9472263842
2	Virchand Yadav	Nirmali	Kiratpur	Kiratpur	8969508520
3	Uday Yadav	Nirmali	Kiratpur	Kiratpur	7782081298
4	Chandravir Kr	Nirmali	Kiratpur	Kiratpur	9835220274
5	Ranjeet Kr yadav	Nirmali	Kiratpur	Kiratpur	9973519414
6	Jyoti Sada	Nirmali	Kiratpur	Kiratpur	
7	Jagarnath Yadav	Nirmali	Kiratpur	Nima	9572565131
8	Jhari Chaupal	Nirmali	Kiratpur	Kiratpur	8571904375
9	Amarjeet Kr Yadav	Nirmali	Kiratpur	Kiratpur	8051660708
10	Shushil Kr Yadav	Nirmali	Kiratpur	Kiratpur	7292852235
11	Manoj Sada	Nirmali	Kiratpur	Jhilkhera	8521022028
12	Ram Bilash Sada	Nirmali	Kiratpur	Jhilkhera	9955995984
13	Naresh Yadav	Nirmali	Kiratpur	Kiratpur	

11. Mansara Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Ramashis Yadav	Jhanjharpur 2	Adharpur	Manasara	9431857651
2	Yashodhar Mahto	Jhanjharpur 2	Adharpur	Manasara	7549582552
3	Tetar Shah	Jhanjharpur 2	Adharpur	Manasara	9798167226
4	Ram Prakash Yadav	Jhanjharpur 2	Adharpur	Manasara	
5	Shravan Mandal	Jhanjharpur 2	Adharpur	Manasara	8877667537

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
6	Pappu Yadav	Jhanjharpur 2	Adharpur	Manasara	7296019525
7	Girijanand Yadav	Jhanjharpur 2	Adharpur	Manasara	
8	Lalit Shah	Jhanjharpur 2	Adharpur	Manasara	
9	Naveen Yadav	Jhanjharpur 2	Adharpur	Manasara	
10	Narender Yadav	Jhanjharpur 2	Adharpur	Manasara	
11	Kusho Thakur	Jhanjharpur 2	Adharpur	Manasara	
12	Maheswar Yadav	Jhanjharpur 2	Adharpur	Manasara	8226982823
13	Munni lala Yadav	Jhanjharpur 2	Adharpur	Manasara	

12. Madanpur Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Shambhu Nath Jha	Jhanjharpur 2	Madanpur	Rataul	7563882880
2	Hari Mohan Kumar Yadav	Jhanjharpur 2	Madanpur	Rataul	9199809280
3	Keshav Jha	Jhanjharpur 2	Madanpur	Rataul	9135534087
4	Prakash Mishra	Jhanjharpur 2	Madanpur	Rataul	7070108389
5	Vishal Mandal	Jhanjharpur 2	Madanpur	Rataul	9572022041
6	Sudhir Kumar Yadav	Jhanjharpur 2	Madanpur	Rataul	9135994779
7	Vikash Roy	Jhanjharpur 2	Madanpur	Rataul	7739912226
8	Rakesh Sahu	Jhanjharpur 2	Madanpur	Rataul	9576710644
9	Nitish Sahu	Jhanjharpur 2	Madanpur	Rataul	9939753543
10	Ajit Jha	Jhanjharpur 2	Madanpur	Rataul	9931662469
11	pawan Kr. Mishra	Jhanjharpur 2	Madanpur	Rataul	7549765405
12	Bhaira Sah	Jhanjharpur 2	Madanpur	Rataul	9560333870

13. Naruar Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Raghav Choudhry	Jhanjharpur 2	Naruar	Naruar	8674904789
2	Vishnudev Paswan	Jhanjharpur 2	Naruar	Naruar	8406843869
3	Ganesh Mukhia	Jhanjharpur 2	Naruar	Naruar	7549837243
4	Rudrakant Jha	Jhanjharpur 2	Naruar	Naruar	9931116300
5	Santosh Kumar Jha	Jhanjharpur 2	Naruar	Naruar	9570355926
6	Ramchandra choudhry	Jhanjharpur 2	Naruar	Naruar	9939373509
7	Chandan Choudhary	Jhanjharpur 2	Naruar	Naruar	7549224729
8	Amarnath Choudhary	Jhanjharpur 2	Naruar	Naruar	7549224719
9	Rajan Choudhary	Jhanjharpur 2	Naruar	Naruar	8298826004
10	Balram Choudhary	Jhanjharpur 2	Naruar	Naruar	7544956567
11	Lal Choudhary	Jhanjharpur 2	Naruar	Naruar	
12	Upendra Sada	Jhanjharpur 2	Naruar	Naruar	

14. Narpatpatti Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Divison	G.P	Village Name	Mobile
1	Ramji Mehta	Bhataniya/Birpur	Narpatpatti	Narpatpatti	9801886621
2	Amod Kr. Singh	Bhataniya/Birpur	Narpatpatti	Narpatpatti	7091869837
3	Md.Safif Rahman	Bhataniya/Birpur	Narpatpatti	Narpatpatti	7782063461
4	BibiSahleha Khatun	Bhataniya/Birpur	Narpatpatti	Narpatpatti	9472209356
5	Anuragi Devi	Bhataniya/Birpur	Narpatpatti	Dada	7739632664
6	Mira Devi	Bhataniya/Birpur	Narpatpatti	Satanpatti	8757124609
7	Md.Wakil	Bhataniya/Birpur	Narpatpatti	Satanpatti	8757946216
8	Mritunjay Jha	Bhataniya/Birpur	Narpatpatti	Lalmanpatti	9661039117
9	Sachidanand Yadav	Bhataniya/Birpur	Narpatpatti	Lalmanpatti	8809762496
10	Md. Iliyas	Bhataniya/Birpur	Narpatpatti	Dada	9199920478
11	Amlesh Paswan	Bhataniya/Birpur	Narpatpatti	Dada	
12	Kamlesh Sah	Bhataniya/Birpur	Narpatpatti	Dada	9431281644
13	Abhay Kant Jha	Bhataniya/Birpur	Narpatpatti	Dada	7739948226

15. Rajakharbar Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	Division	G.P	Village Name	Mobile
1	Rajesh Kumar Sah	Jhanjharpur 2	Rajakharbar	Sutariya	7631303660
2	Muntun Sah	Jhanjharpur 2	Rajakharbar	Sutariya	9525362340
3	Ashok Kr Saday	Jhanjharpur 2	Rajakharbar	Sutariya	7352936949
4	Ram Prasad sah	Jhanjharpur 2	Rajakharbar	Sutariya	8651213356
5	Ram Vilash Sahu	Jhanjharpur 2	Rajakharbar	Sutariya	8877121354
6	Manoj Kr Singh	Jhanjharpur 2	Rajakharbar	Sutariya	9570805154
7	Malar Sada	Jhanjharpur 2	Rajakharbar	Sutariya	
8	Malai Sada	Jhanjharpur 2	Rajakharbar	Sutariya	
9	Asharfi Sah	Jhanjharpur 2	Rajakharbar	Sutariya	
10	Madho Sada	Jhanjharpur 2	Rajakharbar	Sutariya	

16. Tegha Gram Panchayat Level Embankment Surveillance Committee

Sl No.	Name of office Bearer	District	G.P	Village Name	Mobile
1	Umesh Yadav	Jhanjharpur 2	Tegha	Devna	8002127478
2	Biadhnath Yadav	Jhanjharpur 2	Tegha	Devna	9939650873
3	Ramnaresh Yadav	Jhanjharpur 2	Tegha	Devna	9955985151
4	Sakhichand Saday	Jhanjharpur 2	Tegha	Devna	8298255621
5	Durga Nand Paswan	Jhanjharpur 2	Tegha	Devna	9570224424
6	Ramlal Yadav	Jhanjharpur 2	Tegha	Devna	9955985151
7	Raman Saday	Jhanjharpur 2	Tegha	Devna	

Sl No.	Name of office Bearer	District	G.P	Village Name	Mobile
8	Phulo Saday	Jhanjharpur 2	Tegha	Devna	
9	Sambodhan Saday	Jhanjharpur 2	Tegha	Devna	
10	Jhagru Saday	Jhanjharpur 2	Tegha	Devna	
11	Raj Kumar Ram	Jhanjharpur 2	Tegha	Devna	

Annexure 3 – List of participants in Workshops in Birpur, Nirmali and Jhanjharpur I Divisions

Birpur Workshop participant list (16.12.2015)

Sr. No.	Name of Participants	Name of Village	Name of Panchayat	Phone Number
1	Madhukant Thakur	Madhura	Bhagwanpur	
2	Shyam Kishore Thakur	Madhura	Bhagwanpur	7091547617
3	Vishwanath Mukhiya	Sahewan	Bhagwanpur	9546838280
4	Bhola Prasad	Sahewan	Bhagwanpur	8651203725
5	Raj Kumar Mukhiya	Sahewan	Bhagwanpur	9546684985
6	Yoganand Das	Sahewan	Bhagwanpur	9801750604
7	Ram Chandra Mukhiya	Sahewan	Bhagwanpur	7079605430
8	Satyanarayan Das	Sahewan	Bhagwanpur	8757839567
9	Ramesh Kr. Yadav	Shivnagar	Bhagwanpur	8292510540
10	Surya Narayan Thakur	Madhura	Bhagwanpur	8967521787
11	Pramod Kr Mukhiya	Shivnagar	Bhagwanpur	9199691504
12	Gopal Mukhiya	Sahewan	Bhagwanpur	8084462521
13	Rajesh Kr. Das	Sahewan	Bhagwanpur	7739759675
14	Bobby Mukhiya	Shivnagar	Bhagwanpur	8294195744
15	Bechan Mukhiya	Sahewan	Bhagwanpur	8292206797
16	Devchandra Mehta	Sahewan	Bhagwanpur	9771858938
17	Ashok Kr. Mukhiya	Panchpadariya	Bhagwanpur	9507603936
18	Santosh Kr. Das	Sahewan	Bhagwanpur	8292195771
19	Bharat Thakur	Madhura	Bhagwanpur	9939413995
20	Ramchandra Das	Sahewan	Bhagwanpur	8809587586
21	Ramu Das	Sahewan	Bhagwanpur	9661157312
22	Anil Kumar Das	Sahewan	Bhagwanpur	8292118965
23	Shyam Narayan Mandal	Raniganj	Bhagwanpur	8969044433
24	Pawal Mandal	Raniganj	Bhagwanpur	8294822231
25	Chandeshwar Paswan	Raniganj	Bhagwanpur	9199895453
26	Sakal Dev Poddar	Sahewan	Bhagwanpur	8969040005
27	Bindeshwari Mehta	Katiya	Dinbandhi	9199121115
28	Balram Mukhiya	Madhura	Bhagwanpur	9102827428
29	chandan Mukhiya	Shivnagar	Bhagwanpur	7739424873
30	Bechan Mandal	Raniganj	Bhagwanpur	8292510511
31	Suresh Kumar Mehta	Sahewan	Bhagwanpur	7079320706
32	Jhameli Mukhiya	Madhura	Bhagwanpur	9973018663
33	Hem Narayan Mandal	Raniganj	Bhagwanpur	9939245762
34	Ramesh Mandal	Raniganj	Bhagwanpur	

Sr. No.	Name of Participants	Name of Village	Name of Panchayat	Phone Number
35	Dhirandra Kumar	Shivnagar	Bhagwanpur	8292312886
36	Anil Sharma	Sahewan	Bhagwanpur	9199807769
37	Bhedi Mukhiya	Shivnagar	Bhagwanpur	8292098303
38	Pappu Kumar	Raniganj	Bhagwanpur	7739146119
39	Ranjit Thakur	Raniganj	Bhagwanpur	9199121999
40	Shambhu Mukhiya	Shivnagar	Bhagwanpur	8002396644
41	Inderdev Kumar	Sahewan	Bhagwanpur	9631239831
42	Amod Kumar Singh	Dadha	Sattanpatti	9470058678
43	Arun Singh	Dadha	Sattanpatti	
44	Prabhu Narayan Yadav	Lalmanpatti	Sattanpatti	9430245861
45	Ramashish Mehta	Narpatpatti	Sattanpatti	9931296664
46	Kapleshwar Shah	Sattanpatti	Sattanpatti	9431281649
47	Ranjit kumar Mukhiya	Panchpadariya	Bhagwanpur	8002138826
48	Chano Devi	Sahewan	Bhagwanpur	7091036674
49	Munishwar Yadav	Panchpadariya	Bhagwanpur	8969433470
50	Ramsitan Das	Sahewan	Bhagwanpur	7091547617
51	Ramlochan Mehta	Sahewan	Bhagwanpur	8292505910
52	Rama Mukhiya	Madhura	Bhagwanpur	7254944777
53	Jai Prakash Kr Mukhiya	Panchpadariya	Bhagwanpur	7760257746
54	Virendra Sada	Panchpadariya	Bhagwanpur	8294193847
55	Lalan Thakur	Madhura	Bhagwanpur	7739617717
56	Lalan Mukhiya	Shivnagar	Bhagwanpur	7033797421
57	Ram Narayan Yadav	Shivnagar	Bhagwanpur	8864090109
58	Dhirndra Yadav	Shivnagar	Bhagwanpur	8292312886
59	Upendra Mukhiya	Shivnagar	Bhagwanpur	7047860741
60	Ashok Mukhiya	Sahewan	Bhagwanpur	7352948721
61	Yogendra Mukhiya	Sahewan	Bhagwanpur	
62	Bibi Saleha	Narpatpatti	Sattanpatti	9472209356
63	Md. Shamim	Narpatpatti	Sattanpatti	8873079279
64	Mritunjya Jha	Lalmanpatti	Sattanpatti	9661039117
65	Md. Ashrafi	Lalmanpatti	Sattanpatti	
66	Jayesh kumar Mehta	Narpatpatti	Sattanpatti	
67	Mangal Mukhiya	Sahewan	Bhagwanpur	8877695630
68	Dhruv Kumar	Panchpadariya	Bhagwanpur	8292205771
69	Prameshwar Kumar	Kalyanpur	Baptiyahi	9939250970
70	Baua lal Mehta	Kalyanpur	Baptiyahi	7549475304
71	Manish Kumar	Kalyanpur	Baptiyahi	8084646592
72	Umesh Kumar	Kalyanpur	Baptiyahi	9041327490
73	Ramdev Mehta	Kalyanpur	Baptiyahi	8292782412

Sr. No.	Name of Participants	Name of Village	Name of Panchayat	Phone Number
74	Dipesh Kumar	Baptiyahi	Baptiyahi	8229806034
75	Surendra Kumar	Baptiyahi	Baptiyahi	9507646349
76	Devkumar	Baptiyahi	Baptiyahi	9935570293
77	Santosh Kumar	Baptiyahi	Baptiyahi	9708089715
OFFICIALS				
Sr. No	Name	Post	Organisation	Mobile Number
1	Lala Das	Assistant Engineer	WRD Birpur Division	9473323015
2	Shambhu Nath Chaudhary	Juniour Engineer	WRD Birpur Division	9471437537
3	Mukesh Kumar	Site Engineer	LASA	9852256488
4	Anup kumar Basak	Site Engineer	LASA	9572613656
5	Basuki Nath	Juniour Manager	LASA	9708740223
10	Ramlakhan Prasad	Junior Engineer	WRD Birpur Division	9955555853
11	J.C. Sharma	Junior Engineer	WRD Birpur Division	9931343305
6	Divyakar Pathak	JPS	New Delhi	9540963557
7	Saurav Kr.	JPS	New Delhi	9334442367
8	Bam Shankar Paswan	JPS	New Delhi	8083646078
9	Bijay Kr. Yadav	JPS	New Delhi	9431421945
12	Rakesh Chaubey	JPS	New Delhi	9430060156
13	Ram Chandra	JPS	New Delhi	7091870041
14	B.P.Singh	JPS	New Delhi	5721843628
15	Rashid Wakil	JPS	New Delhi	9811505804
16	Ravi Kumar Gupta	State Project Expert , (E)BAPEPS	Patna	7857015385

Nirmali Workshop participant list (19.12.2015)

Sl	Name	Village Name	Panchayat	Mobile no.
1	Bharat Pr Yadav	Tarwada	Jahgadua Tarwara	9939654715
2	Ajit Kumar	Tarwada	Jahgadua Tarwara	7762861171
3	Bindeswar Yadav	Danka Bhaluaha	Jahgadua Tarwara	8084261942
4	Manoj Kumar Jha	Tarwada	Jahgadua Tarwara	8051993466
5	Sakal Dev Ram	Tetri	Kubol Tanga	8084090307
6	Vinod Kumar Sahu	Tetri	Kubol Tanga	7033232490
7	Amarjeet Kumar	Tetri	Kubol Tanga	8084090256

Sl	Name	Village Name	Panchayat	Mobile no.
8	Durga Devi	Dagmara	Dagmara	
9	Srikanta Yadav	Kiratpur	Kiratpur	94722638842
10	Sushil Kr. Yadav	Kiratpur	Kiratpur	72924852235
11	Veerchand yadav	Kiratpur	Kiratpur	8969508520
12	Jyotish Sada	Kiratpur	Kiratpur	
13	Jhadi Chaupal	Kiratpur	Kiratpur	8571904375
14	Bindeshwar prasadSingh	Dighia	Dighia	9546241671
15	Dharam lal Shah	Dighia	Dighia	
16	Ramdev Shah	Dighia	Dighia	9162255067
17	Shiv Narayan Singh	Dighia	Dighia	9199418946
18	Kapleswar Mandal	Dudhela	Dighia	8292500374
19	Tilkeswar Pandit	Dudhela	Dighia	
20	Ramchandra Mukhia	Dighia	Dighia	9934813772
21	vednath Rai	Dighia	Dighia	
22	Dhanjeet Kr. Sant	Dudhela	Dighia	8757574722
23	Md. Firoz Alam	Balthi	Barsam	9006054777
24	Wasi Ahmed	Balthi	Barsam	8298729244
25	Md. Ramzan Ali	Balthi	Barsam	9006786525
26	Zuber Ahmaed	Balthi	Barsam	8298516738
27	Md. Sabir	Balthi	Barsam	7631969117
28	Md. Ibraheem	Balthi	Barsam	7631968790
29	Ashok Ram	Piprahi	Dagmara	9523882930
30	Badelal Thakur	Dighia	Dighia	
31	Ram Prasad Ram	Dighia	Dighia	
32	Veerender Ku Mandal	Dudhela	Dighia	7250269187
33	Ram Prasad Ram	Dagmara	Dagmara	7782800210
34	Bharat Ram	Dagmara	Dagmara	9102191437
35	Ravinder Kr. Kamat	Dagmara	Dagmara	7739530515
36	Satynarayan Kamat	Dagmara	Dagmara	7091151388
37	Anil Kr. Bharti	Dagmara	Dagmara	8969587320
38	Baleswar Kamat	Dagmara	Dagmara	8002841623
39	Vinod kamat	Dagmara	Dagmara	9661517368
40	Vidynanad Yadav	Mahadevmant	Mahadevmant	8541004420
41	Dev Kumar Singh	Dighia	Dighia	9471283295
42	Chandra Narayan Ram	Sikarhatta	Dagmara	
43	Devender Mandal	Navkatola	Dagmara	
44	Misrilal Kamat	Sikarhatta	Dagmara	
45	Gangai Kamat	Sikarhatta	Dagmara	
46	Manoj Mehta	Chuttiahi	Dagmara	

Sl	Name	Village Name	Panchayat	Mobile no.
47	Chandra Dev Sekhar	Chuttiahi	Dagmara	896850598
48	Teni Paswan	Tetri	Tetri	
49	Chandra Ram	Sikarhatta	Dagmara	7033982867
50	Lakshmi Takur	Sikarhatta	Dagmara	
51	SriPrasad mehta	Dagmara	Dagmara	8084779360
52	Prakash Kamat	Dagmara	Dagmara	7759982459
53	Bipin Mukhia	Lalmanpatti	Dagmara	
54	Amrender Kr. Shah	Lalmanpatti	Dagmara	
55	Dayanand Singh	Dighia	Dagmara	8298091871
56	Raghuveer kr	Dudhela	Dagmara	9708383939
57	Pradeep Kumar	Dudhela	Dagmara	7352173663
58	Mahender Yadav	Dagmara	Dagmara	
59	Pannelal Sad	Sikarhatta	Dagmara	
60	Gajender Pr. Shah	Sikarhatta	Dagmara	9955087576
	Officials	Designation	Zone/ State	No
61	Kamlesh Kumar Choudhury	Storekeeper	WKE Nirmali	9801141077
62	Satender Kumar	JE	WKE Nirmali	9955432570
63	Uday Narayan Choudhury	JE	WKE Nirmali	9431446551
64	Surender Kumar Suman	JE	WKE Nirmali	9771354691
65	Avdesh Kr.Singh	Treasurer	WKE Nirmali	8002423414
66	Surya Narayan Yadav	Anusevak	WKE Nirmali	9801197583
67	Arvind Kumar Gupta	AE	WKE Nirmali	9431864218
68	Rajkishore Yadav	JE	WKE Nirmali	9708586604
69	Dinesh Mishra	AE,	WRD, Jhanjharpur	9430929307
70	Divyakar Pathak	JPS	New Delhi	9540963557
71	Saurav Kr.	JPS	New Delhi	9334442367
72	Bam Shankar Paswan	JPS	New Delhi	8083646078
73	Bijay Kr. Yadav	JPS	New Delhi	9431421945
74	Rakesh Chaubey	JPS	New Delhi	9430060156
75	Ram Chandra	JPS	New Delhi	7091870041
76	B.P.Singh	JPS	New Delhi	5721843628
77	Rashid Wakil	JPS	New Delhi	9811505804
78	Ravi Kumar Gupta	State Project Expert , (E)BAPEPS	Patna	7857015385

Jhanjharpur Workshop participant list (23.12.2015)

Sl	Name	Village Name	Panchayat	Mobile no.
1	Bishkuli Paswan	Narwar	Narwar	8406843869
2	Pawam Kumar Mishra	Rataul	Madanpur	7549765405
3	Shambhunath Jha	Rataul	Madanpur	7563882880
4	Ajay Kumar Yadav	Bath	Adharpur	9570490930
5	Basudev Kamti	Bath	Adharpur	9931749173
6	Anil Kmati	Bath	Adharpur	8969511610
7	Md. Shamim	Bath	Adharpur	8521888083
8	Feroz Alam	Bath	Adharpur	9934782940
9	Md.Irfan	Bath	Adharpur	9931638858
10	Kamlesh Thaku	Bath	Adharpur	9973981245
11	Krishna Kumar Jha	Bath	Adharpur	9199304512
12	Raghav Choudhury	Narwar	Narwar	8674904789
13	Chnadan Choudhury	Narwar	Narwar	7549224729
14	Bhadrakanth Jha	Narwar	Narwar	9931116300
15	Bhairav Shah	Rataul	Madanpur	9560333870
16	Yasodhar Mahto	mansara	Adharpur	7549582552
17	Pappu Yadav	mansara	Adharpur	7296019527
18	Shavan Mandala	mansara	Adharpur	8877667537
19	Munni Lal Yadav	mansara	Adharpur	9162125813
20	Ranjan Yadav	mansara	Adharpur	9546829572
21	Jivach Mahto	mansara	Adharpur	9570233302
22	Vijay Paswan	Bath	Adharpur	8294898755
23	Manoj K. Singh	Mahiya	RajaKharwar	9570805154
24	Rajesh Kumsr Singh	Mahiya	RajaKharwar	7631303660
25	Ram Vilas Sahu	Mahiya	RajaKharwar	8877121354
26	Ram Prasad Sahu	Mahiya	RajaKharwar	8651213356
27	Ram Naresh Yadav	Devna	Thengha	9955985151
28	Baijnath Yadava	Devna	Thengha	9939650873
29	Umesh Yadav	Devna	Thengha	8002127478
30	Durgan Nand Paswan	Devna	Thengha	9570224424
31	Satender Yadav	Devna	Thengha	8298255621
32	Birbal Paswan	Devna	Thengha	8051413762
33	Anand K. Mishra	Thengha	Thengha	7545894937
34	Ram Prasad Yadav	Umraul	Bhudev Inayatpur	9771946810
35	Bindeswar Yadav	Umraul	Bhudev Inayatpur	9771154099
36	Raman Sada	Devna	Thengha	
37	Phuleswar Sada	Devna	Thengha	
38	Jhagru Sadae	Devna	Thengha	
39	Raj Kumar Ram	Devna	Thengha	

Sl	Name	Village Name	Panchayat	Mobile no.
40	Naveen Yadav	mansara	Adharpur	
41	Narender Yadav	mansara	Adharpur	
42	Ratan Mishra	Bath	Adharpur	7070774261
43	Bramhadev Yadav	Bath	Adharpur	9973078479
44	Vigesh Rai	Rataul	Madanpur	7739912226
45	Harimohan Kumar Yadav	Rataul	Madanpur	9199809280
46	Sudheera Mishra	Kumraul	Bhudev Inayatpur	7562860961
47	Jeera Devi	Kumraul	Bhudev Inayatpur	9507542749
48	Sheela Kumari	Inayatpur	Bhudev Inayatpur	9162125135
49	Sunita Devi	Inayatpur	Bhudev Inayatpur	866133387
50	Bum Chaupal	Aasma	Bhudev Inayatpur	
	Officials	Designation	Zone/ State	No
51	Rajeev Kumar	J.E	WRD, Jhanjharpur	9708223359
52	Yogender Kumar	J.E	WRD, Jhanjharpur	8863015569
53	Yuvraj Aman	Estimating Officer	WRD, Jhanjharpur	7543820044
54	Ravi Kumar Gupta	State Project Expert , (E)BAPEPS	Patna	7857015385
55	Manoj Kr.	J.E	WRD, Jhanjharpur	9939491566
56	Ranjeet Kr.	J.E	WRD, Jhanjharpur	9708921462
57	Sanjay Kr. Suman	SDO (AE) , Narwar	WRD, Jhanjharpur	9931673993
58	Dinesh Mishra	AE,	WRD, Jhanjharpur	9430929307
59	Divyakar Pathak	JPS	New Delhi	9540963557
60	Saurav Kr.	JPS	New Delhi	9334442367
61	Bam Shankar Paswan	JPS	New Delhi	8083646078
62	Bijay Kr. Yadav	JPS	New Delhi	9431421945
63	Rakesh Chaubey	JPS	New Delhi	9430060156
64	Ram Chandra	JPS	New Delhi	7091870041
65	B.P.Singh	JPS	New Delhi	5721843628
66	Rashid Wakil	JPS	New Delhi	9811505804

Annexure 4 – List of participants in Stakeholders workshop in Patna

Sl	Name	Designation/ GP	Name of the institution/Embankment	Mobile no.	Email id
Officials who participated in the Workshop					
1	P. Das	C. E Birpur	WRD	9473197047	cebipur@gmail.com
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5	Santosh Kumar	Former Professor BCE/NIT Patna & Consultant Hydrologist, FMISC	WRD	9430284204	mailto.santoshkumar@yahoo.com
6	Nagan Prasad	Joint Director	FMISC, WRD	9431046944	Pdnagan123@gmail.com
7	Sunil Kr. Vaish	EE, FCD -2 Khagaria	WRD	9473197257	fcd2khg@gmail.com
8	Shashi Kant Sinha	EE Esatern Embankment, Birpur	WRD	9973210495	
9	Satyendra Kumar	SE Flood Control Division Khagaria	WRD	9473197248	Fceckhagaria1981@gmail.com
10	Upendra Kumar Tiwary	EE, FCD Jhanjharpur-2	WRD	9473197256	Floodcontroldivision-ljhp@gmail.com
11	Kumar Jayant Prasad	Chief Engineer Samastipur	WRD	9473197243	reports.cewrds@gmail.com
12	Dr. Saroj Kr. Verma	Deputy Director	FMISC, WRD	9835477903	sarojkumarverma@gmail.com
13	Virendra Narain Singh	SE, Flood Control Division, Samastipur	WRD	9473197246	vnsingh819@gmail.com
14	Md. Sayeed Ahmad	EE E.K.E. Div. Chandrayan Saharsa	WRD	9473197058	eechandrayan@gmail.com
15	Bhupesh Prasad Singh	EE, EE Div. Supaul	WRD	9473197058	eed.supaul@gmail.com
16	Bijendra Kumar	EE E.E. DIV-2 Birpur	WRD	9473197059	Eke2birpur@gmail.com

Sl	Name	Designation/ GP	Name of the institution/Embankment	Mobile no.	Email id
17	Bindu Shekhar Mishra	LEA Associates (South Asia Pvt. Ltd.)	LASA	9701337373	erbsmishra@gmail.com
18	Ravi Gupta	State Project Expert (Env.)	BAPEPS	7857015385	spee.bapeps@gmail.com
19*	Bamshankar Paswan	Field Investigator	JPS	9608540226	bambammsw@gmail.com
20*	Ram Chandra Yadav	Field Investigator	JPS	7091870041	
21*	Saurav Kumar	Field Investigator	JPS	9334442367	saurav.1370@gmail.com
22	Md. Zakaullah	Assistant Director	FMISC, WRD	9934296726	Zakaullah786@gmail.com
23	B P Singh	Embankment Expert	JPS	9430243369	prasad_bsingh@yahoo.com
24	Rakesh Chaubey	Social Mobilisation Expert	JPS	9430060156	chaubeyrakesh@yahoo.com
25	Rashid Wakil	Theme Head SDP HS	JPS	9811505804	rashid.wakil@jps-india.com
26	Divyakar Pathak	Coordinator	JPS	9590965557	divyakarpathak@jps-india.com

Representatives of GPLESCs who participated in the stakeholder Workshop at Patna

Sl	Name of the Participant	Name of G.P	Name of Embankment	Mobile no.	
1	Shyam Kishore Thakur	Bhagwanpur	EKE	7091547617	
2	Shakal Dev Poddar	Bhagwanpur	EKE	8969040005	
3	Ramji Mehta	Satanpatti	EKE	9801886621	
4	Amod Kumar Singh	Satanpatti	EKE	7091869837	
5	Shafiq Rehman	Satanpatti	EKE	7782063461	
6	Baua lal Mehta	Bhaptiyahi	EKE	7549475304	
7	Srikant Yadav	Kiratpur	WKE	9472263842	
8	Firoz Alam	Balthi	WKE	9006054777	
9	Sakaldev Ram	Tetri	WKE	8084090307	
10	Binod Kumar Sahu / Amarjeet Kumar	Tetri	WKE	7033232490	
11	Bharat Prasad Yadav	Terwara	WKE	993954715	
12	Raghav Choudhury	Naruar	Kamla	8674904789	
13	Sambhunath Jha	Rataul	Kamla	7563882880	
14	Bhairav Shah	Rataul	Kamla	9560333870	
15	Ram Prasad yadav	Kumraul	Kamla	9771946810	
16	Bindeswar Yadav	Kumraul	Kamla	9771145099	
17	Kamlesh Thakur	Bath	Kamla	9973981245	

Sl	Name	Designation/ GP	Name of the institution/Embankment	Mobile no.	Email id
18	Krishna Kumar Jha	Bath	Kamla	9973981245	
19	Amarjeet Kumar	Kiratpur	WKE	8051660708	
20	Ravinder Kumar Kamat	Dagmara	WKE	7739530515	
21	Wasi Ahmed	Balthi	WKE	8298729244	
22	Juber Ahmad	Balthi	WKE	8298516738	

Annexure 5

List of villages proposed before the survey and list of districts covered during the survey in Kosi and Kamla Embankment

Proposed Villages			Actual villages Surveyed		
Sr. No.	Name of Villages near to vulnerable points (identified villages before survey)	District	Sr. No.	Selected Villages for Survey	RD (kms)
Eastern Kosi Embankment					
I	0-40 km Birpur Division (EKE)				
1	Bhimnagar (Punarvas)	Supaul	1	Bhimnagar (Punarvas)	2.5
2	Raghunathpur	Supaul			
3	Raniganj	Supaul	2	Raniganj	3.35
4	Pathragordhia	Supaul			
5	Shibnagar	Supaul	3	Shibnagar	4.2
6	Sahewan	Supaul	4	Sahewan	5.7
7	Madhura	Supaul	5	Madhura	5.3
8	Garhwa	Supaul			
9	Bharava	Supaul			
10	Panchpandariya	Supaul	6	Panchpandariya	6.94
11	Dhena	Supaul	7	Dhena	9
12	Baijnathpur	Supaul	8	Baijnathpur	11.7
13	Piparahi	Supaul	9	Piparahi	10.35
14	Dhahara	Supaul	10	Dhahara	12.3
15	Rajpur	Supaul			
16	Narpatpatti	Supaul	11	Narpatpatti	16.98
17	Piparigot	Supaul	12	Lalmanpatti	16.9
18	Korhli	Supaul	13	Korli	20.7
19	Hanumanagar	Supaul	14	Rupauli	19
20	Simri	Supaul	15	Simri	22
21	Bhautnia	Supaul			
22	Chittiahi	Supaul	16	Chitiahi	22
23	Harpur	Supaul			
24	Berdah	Supaul			
25	Sahpur	Supaul			
26	Prithipatti	Supaul			
27	Nonpar	Supaul	17	Nonpar	24.7
28	Baisa	Supaul	18	Baisa	25.14



Proposed Villages			Actual villages Surveyed		
Sr. No.	Name of Villages near to vulnerable points (identified villages before survey)	District	Sr. No.	Selected Villages for Survey	RD (kms)
29	Sadanandpur	Supaul	19	Sadanandpur	28
30	Chorghara	Supaul			
31	Nabipur	Supaul	20	Nabipur	
32	Girdhari	Supaul			
33	Kalyanpur	Supaul	21	Kalyanpur	28.2
34	Dahupatti	Supaul			
35	Bishunpur	Supaul	22	Bishunpur	28
36	Nalyanpur	Supaul	23	Gadhia	32.33
37	Boptiyahi	Supaul	24	Boptiyahi	29
38	Piprakhurd	Supaul			
II	40-84 km Supaul Division (EKE)				
39	Kisnapur	Supaul			
40	Phulkaha	Supaul			
41	Katahara	Supaul	25	Katahara	53
42	Kakhai	Supaul	26	Kakhai	51.5
43	Rashalt	Supaul			
44	Bhukarahi	Supaul	27	Bakurahi	53
45	Baraiya manch	Supaul	28	Baraiya Manch	59
46	Sisauni	Supaul			
47	Nemua	Supaul	29	Nemua	67
48	Bamani	Supaul			
49	Basua	Supaul	30	Basua	68
50	Dabhari	Supaul			
51	Bairkya	Supaul			
52	Chandail	Supaul			
53	Bhajan Toli	Supaul	31	Bhajan Toli	65
54	Malhad	Supaul	32	Malhad	58
55	Dumaria	Supaul			
56	Piprahi	Supaul			
57	Ramdutpatti	Supaul	33	Ramdutpatti	68.25
58	Telwa	Supaul	34		
59	Rampur	Supaul	35	Rampur Nobad	66.7
60	Lakshmanpatti	Supaul			
61	Dhanga	Supaul			



Proposed Villages			Actual villages Surveyed		
Sr. No.	Name of Villages near to vulnerable points (identified villages before survey)	District	Sr. No.	Selected Villages for Survey	RD (kms)
62	Majhaul	Supaul	36	Majhaul	85
63	Hempur	Supaul			
64	Misraulia	Saharsa	37	Misraulia	80.65
65	Karhatelwa	Saharsa			
66	Fakrahi	Saharsa	38	Fakrahi	8.65
67	Inayatpur	Saharsa			
68	Mohanpur	Saharsa	39	Mohanpur	81.5
69	Dibra	Saharsa	40	Bakor	72
70	Eakrahi	Saharsa	41	Ekaar	83.4
71	Garhi	Saharsa	42	Barahi	72.8
72	Dharahara	Saharsa	43	Dharahara	84
III	84 -105km Chandrayan Divison (EKE)				
73	Besar	Saharsa	44	Jodi	85.16
74	Chandrain	Saharsa	45	Chandrain	83.84
75	Simhartola	Saharsa			
76	Birjain	Saharsa			
77	Lakshmantola	Saharsa			
78	Lohar	Saharsa			
79	Sarauni	Saharsa	46	Sarauni	89
80	Baluha	Saharsa	47	Baluha	90
81	Teghra	Saharsa	48	Teghra	93
82	Mesarao	Saharsa	49	Mesarao	88
83	Mahisi	Saharsa	50	Mahisi	95
84	Khitab	Saharsa			
85	Bhagawatpur	Saharsa	51	Bhagawatpur	97
86	Mahpura	Saharsa	52	Mahpura	98
87	Karusthan	Saharsa			
88	Gamraho	Saharsa	53	Gamraho	101
89	Bijwar	Saharsa	54	Bijwar	102
90	Rajhanpur	Saharsa	55	Rajhanpur	103
91	Tijhati	Saharsa	56	Tilhati	104.5
IV	106-125 km (Koparia Divison) (EKE)				
92		Saharsa	57	Bagewa	122



Proposed Villages			Actual villages Surveyed		
Sr. No.	Name of Villages near to vulnerable points (identified villages before survey)	District	Sr. No.	Selected Villages for Survey	RD (kms)
93		Saharsa	58	Uttesra	123
94		Saharsa	59	Salakhua	124
95		Saharsa	60	Sitwaha	125
	Western Embankment				
V	Below GgH Division				
1	Kuwaul	Darbhanga			
2	Tarwara	Darbhanga	61	Tarwara	36
3	Tatari	Darbhanga	62	Tetari	38
4	Narkatia	Darbhanga	63	Bhugol	39
5	Jamalpur	Darbhanga	64	Jamalpur	41
6	Baluahi	Darbhanga			
7	Mushariya	Darbhanga			
8	Chunni	Darbhanga			
9	Ratuawar	Madhubani			
10	Kharik				
11	Bheja				
12	Amahi				
13	Balthi		65	Balthi	27
14	Neema	Darbhanga	66	Neema	33
15	Kirathpur		67	Kirathpur	34
16	Taruar				
17	Javedpur				
18	Garaul	Saharsa	68	Garaul	46
19	Bhanti		69	Bhanti	50
20	Jalai		70	Jalai	49
21	Goghepur		71	Goghepur	53.5
VI	Nirmali Division				
23			72	Dagmara	22
24			73	Navkatola	24
25			74	Dighia	22
26			75	Lalmanpatti	8.8
27			76	Dudehla	12.5
28					
29	Kachaut	Khagaria	77	Badlaghat	



Proposed Villages			Actual villages Surveyed		
Sr. No.	Name of Villages near to vulnerable points (identified villages before survey)	District	Sr. No.	Selected Villages for Survey	RD (kms)
30	Damahara Ghat	Khagaria	78	Damahara Ghat	
31	Madrauni	Bhagalpur	79	Madrauni	
32	Sahora	Bhagalpur	80	Sahora	
33	Amani				
34	Hiyadpur				
35	Matihani				
36	Mansi				
37	Pipaiatti	Bhagalpur			
38	Maraicha				
39	Chorhar				
40	Birbas				
Kamla Embankment					
VIII	Jhanjharpur II (Left Kamla Emabnkment)				
1	Sathghara	Madhubani	1	Satghara	27
2	Gamhari Tola				
3	Bithauni	Madhubani	2	Bithauni	29
4	Bhikne				
5	Khatwa				
6	Partapur	Madhubani	3	Partapur	42
7	Amraha				
8	Mahrail	Madhubani	4	Mahrail	41
9	Chanaura Ghat				
10	Behat				
11	Pipra Ghat	Madhubani	5	Pipraghat	51
12	Raja Kharwar				
13	Khairi	Madhubani	6	Khairi	59
14	Khair Mushari	Madhubani	7	Khairi Mushari	62
15	Fataki	Madhubani	8	Fataki	64
16	Rambag				
17	Malpa				
18	Gwalatola				
19	Rasiyari	Madhubani	9	Rasiyari Tola	73
20	Daldal	Madhubani	10	Daldal	66
21	Baidnathpur	Darbhanga	11	Asma	70



Proposed Villages			Actual villages Surveyed		
Sr. No.	Name of Villages near to vulnerable points (identified villages before survey)	District	Sr. No.	Selected Villages for Survey	RD (kms)
22	Sunasch				
23	Pauni				
24	Nabhtolia				
IX	Jhanjharpur I (Right Kamla Embankment)				
25	Sukki	Madhubani	12	Sukki	9
26	Biraha				
27	Sukhighat				
28	Maina				
29	Kanhauli		13	Kunhauri	14
30	Garhi				
31	Chandar				
32	Gabraura				
33	Bakhua				
34	Chatra				
35	Mokunwa				
36	Banaur Mehath				
37	Sameya				
38	Naruaar	Madhubani	14	Naraur	46
39	Dudhail				
40	Rahitol	Madhubani	15	Rahitol	52
41	Madanpur				
42	Tengha	Madhubani	16	Tengha	64
43	Jaidevpatti				
44	Dewna	Darbhangha	17	Dewna	60
45	Mahia	Darbhangha	18	Mahia	59
47	Kunharaul	Darbhangha	19	Kumharaul	71
48	Deori				
49	Inayatpur	Darbhangha	20	Inayatapur	72
50	Burheb				
51	Masra	Darbhangha	21	Mansara	78
52	Bath		22	Bath	
53	Rauta				
54	Upharaul				
55	Kothram				



Proposed Villages			Actual villages Surveyed		
Sr. No.	Name of Villages near to vulnerable points (identified villages before survey)	District	Sr. No.	Selected Villages for Survey	RD (kms)
56	Bauram				
57	Kunauni				
58	Bardaha				



Annexure 6: Details of surveyors and supervisors used during the survey

Name	Phone number	Email id
Mr. Dharmadev Jha	07677145665	dharmadevjha@gmail.com
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Er. B.P.Singh	08721843628	prasad_bsingh@yahoo.com
Dr. Rakesh Chaubey	09430060156	chaubeyrakesh@yahoo.com
Mr. Rashid Wakil	09811505804	rashid.wakil@jps-india.com
Mr. Divyakar Pathak	09540963557	divyakar.pathak@jps-india.com



Annexure 7: Question wise detailed tables generated as analysis of the data collected during survey

Distribution of respondents Embankment wise	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

1. How long have you lived in the village (No. of years)	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
<10 YEARS	6(1)	0(0)	6(1)	1(1)	5(4)	6(3)
>10 years	586(99)	195(100)	781(99)	109(99)	118(96)	227(97)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

Distance from Village (in Kms.)	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Beside embankment	24(4.1)	14(7)	38(5)	22(20)	33(27)	55(24)
< = 0.5 km	353(59.6)	124(64)	477(61)	74(67)	81(66)	155(67)
0.5 - 1.0 Km	99(16.7)	41(21)	140(18)	1(1)	7(6)	8(3)
1-2 kms	116(19.6)	16(8)	132(17)	13(12)	2(2)	15(6)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

Age in years	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
<25	92(15.5)	30(15)	122(16)	29(26)	26(21)	55(24)
25-50	397(67.1)	129(66)	526(67)	62(56)	73(59)	135(58)
>50	103(17.4)	36(18)	139(18)	19(17)	24(20)	43(18)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

Gender	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Male	526(88.9)	171(88)	697(89)	101(92)	111(90)	212(91)
Female	66(11.1)	24(12)	90(11)	9(8)	12(10)	21(9)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



Caste	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
General	152(25.7)	41(21)	193(25)	41(37)	22(18)	63(27)
SC/ST	96(16.2)	40(21)	136(17)	7(6)	34(28)	41(18)
OBC	306(51.7)	100(51)	406(52)	59(54)	57(46)	116(50)
Total	554(93.6)	181(93)	735(93)	107(97)	113(92)	220(94)

Occupation of respondent	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Farmer	254(42.9)	90(46)	344(44)	42(38)	52(42)	94(40)
Agricultural labour	235(39.7)	76(39)	311(40)	39(35)	38(31)	77(33)
skilled labour	65(11)	19(10)	84(11)	23(21)	19(15)	42(18)
unskilled labour	38(6.4)	10(5)	48(6)	6(5)	13(11)	19(8)
others	38(6.4)	10(5)	48(6)	6(5)	14(11)	20(9)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

7. What is the name of the nearest river?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
KOSI	570(96.3)	184(94)	754(96)	8(7)	10(8)	18(8)
BALAAAN	3(0.5)	7(4)	10(1)	2(2)	5(4)	7(3)
BALTHI TILJUGA	0(0)	1(1)	1(0)	0(0)	0(0)	0(0)
BALVADHAR	2(0.3)	0(0)	2(0)	0(0)	0(0)	0(0)
CANAL	2(0.3)	0(0)	2(0)	0(0)	0(0)	0(0)
KAMLA	5(0.8)	0(0)	5(1)	100(91)	108(88)	208(89)
KATAAR DHAAR	6(1)	0(0)	6(1)	0(0)	0(0)	0(0)
KHAKAYI DHAAR	2(0.3)	0(0)	2(0)	0(0)	0(0)	0(0)
KUSHNAHA GHAT	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
NAASI	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
TILJUGA	0(0)	3(2)	3(0)	0(0)	0(0)	0(0)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

9. Are you in a flood risk area? (please tick)	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	579(97.8)	195(100)	774(98)	110(100)	120(98)	230(99)
No	13(2.2)	0(0)	13(2)	0(0)	3(2)	3(1)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



10. How would you assess the flood risk in your locality?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
High	489(82.6)	182(93)	671(85)	102(93)	115(93)	217(93)
Medium	81(13.7)	12(6)	93(12)	6(5)	5(4)	11(5)
Low	22(3.7)	1(1)	23(3)	2(2)	3(2)	5(2)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

11. How often does the locality witness flood?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Every year	451(76.2)	177(91)	628(80)	78(71)	96(78)	174(75)
Most years	7(1.2)	8(4)	15(2)	3(3)	3(2)	6(3)
Some years	105(17.7)	10(5)	115(15)	29(26)	24(20)	53(23)
Don't know	29(4.9)	0(0)	29(4)	0(0)	0(0)	0(0)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

12. In the last 10 years how often has your locality been submerged in water	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Less than 5 times	136(23)	28(14)	164(21)	54(49)	45(37)	99(42)
More than 5 times	456(77)	167(86)	623(79)	56(51)	78(63)	134(58)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

	KOSI			KAMLA BALAAN		
13. Flooding in your area is due to	Eastern	Western	Total	Left	Right	Total
Embankment breached due to erosion	23(3.9)	5(3)	28(4)	8(7)	10(8)	18(8)
Direct rainfall	134(22.6)	38(19)	172(22)	15(14)	12(10)	27(12)
SEEPAGE	284(48)	97(50)	381(48)	63(57)	55(45)	118(51)
Flood flow from upstream locations	71(12)	23(12)	94(12)	12(11)	30(24)	42(18)
Others	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
Total	513(86.7)	163(84)	676(86)	98(89)	107(87)	205(88)



14.2 Do you perceive flood as an act of God/Nature?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	431(72.8)	156(80)	587(75)	76(69)	96(78)	172(74)
No	24(4.1)	5(3)	29(4)	2(2)	2(2)	4(2)
Not sure	1(0.2)	0(0)	1(0)	1(1)	1(1)	2(1)
Total	456(77)	161(83)	617(78)	79(72)	99(80)	178(76)

14.3 Flood is something which is to be lived with?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	571(96.5)	191(98)	762(97)	107(97)	121(98)	228(98)
No	19(3.2)	4(2)	23(3)	2(2)	1(1)	3(1)
Not sure	2(0.3)	0(0)	2(0)	1(1)	1(1)	2(1)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

14.4 Don't think that floods are a natural phenomena	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	562(94.9)	189(97)	751(95)	107(97)	122(99)	229(98)
No	27(4.6)	6(3)	33(4)	2(2)	0(0)	2(1)
not sure	3(0.5)	0(0)	3(0)	1(1)	1(1)	2(1)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

15. Does any government agency provide you with information on flooding and flood risk?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	104(17.6)	34(17)	138(18)	11(10)	20(16)	31(13)
No	436(73.6)	150(77)	586(74)	95(86)	100(81)	195(84)
not sure	29(4.9)	10(5)	39(5)	0(0)	1(1)	1(0)
Total	569(96.1)	194(99)	763(97)	106(96)	121(98)	227(97)

15.4 Is the information provided timely and useful?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	500(84.5)	161(83)	661(84)	101(92)	106(86)	207(89)
No	92(15.5)	34(17)	126(16)	9(8)	17(14)	26(11)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



Own sources (community warning system)	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Excellent	64(10.8)	11(6)	75(10)	4(4)	5(4)	9(4)
Good	220(37.2)	145(74)	365(46)	97(88)	103(84)	200(86)
Moderate	236(39.9)	28(14)	264(34)	4(4)	8(7)	12(5)
Poor	72(12.2)	11(6)	83(11)	5(5)	7(6)	12(5)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

Radio	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Excellent	37(6.3)	39(20)	76(10)	5(5)	6(5)	11(5)
Good	35(5.9)	12(6)	47(6)	0(0)	0(0)	0(0)
Moderate	99(16.7)	55(28)	154(20)	56(51)	58(47)	114(49)
Poor	418(70.6)	88(45)	506(64)	49(45)	59(48)	108(46)
Very poor	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
don't know	2(0.3)	1(1)	3(0)	0(0)	0(0)	0(0)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

TV	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Excellent	22(3.7)	4(2)	26(3)	0(0)	0(0)	0(0)
Good	54(9.1)	13(7)	67(9)	7(6)	5(4)	12(5)
Moderate	493(83.3)	169(87)	662(84)	103(94)	118(96)	221(95)
Poor	1(0.2)	1(1)	2(0)	0(0)	0(0)	0(0)
Very poor	19(3.2)	8(4)	27(3)	0(0)	0(0)	0(0)
don't know	3(0.5)	0(0)	3(0)	0(0)	0(0)	0(0)
	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

Newspaper	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
excellent	10(1.7)	1(1)	11(1)	0(0)	0(0)	0(0)
good	42(7.1)	2(1)	44(6)	1(1)	3(2)	4(2)
moderate	18(3)	1(1)	19(2)	1(1)	0(0)	1(0)
Poor	3(0.5)	0(0)	3(0)	0(0)	0(0)	0(0)
Very poor	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
don't know	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
Did not respond	517(87.3)	191(98)	708(90)	108(98)	120(98)	228(98)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



Water Resource Department officials	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
excellent	44(7.4)	18(9)	62(8)	9(8)	14(11)	23(10)
good	6(1)	3(2)	9(1)	0(0)	2(2)	2(1)
moderate	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
Poor	474(80.1)	153(78)	627(80)	100(91)	106(86)	206(88)
Very poor	63(10.6)	21(11)	84(11)	1(1)	1(1)	2(1)
don't know	4(0.7)	0(0)	4(1)	0(0)	0(0)	0(0)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

Barrage personnel	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Excellent	2(0.3)	0(0)	2(0)	0(0)	0(0)	0(0)
good	11(1.9)	2(1)	13(2)	0(0)	0(0)	0(0)
moderate	11(1.9)	0(0)	11(1)	0(0)	0(0)	0(0)
DNR	568(95.9)	193(99)	761(97)	110(100)	123(100)	233(100)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

NGOs	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
excellent	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
good	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
Moderate	0(0)	2(1)	2(0)	0(0)	0(0)	0(0)
Poor	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
Very poor	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
don't know	588(99.3)	193(99)	781(99)	110(100)	123(100)	233(100)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



Department of Disaster Management	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Excellent	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Good	4(0.7)	3(2)	7(1)	0(0)	0(0)	0(0)
Moderate	582(98.3)	189(97)	771(98)	110(100)	123(100)	233(100)
Poor	2(0.3)	0(0)	2(0)	0(0)	0(0)	0(0)
Very poor	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
don't know	3(0.5)	3(2)	6(1)	0(0)	0(0)	0(0)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

Community own sources	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Excellent	10(1.7)	21(11)	31(4)	30(27)	23(19)	53(23)
Good	482(81.4)	105(54)	587(75)	61(55)	67(54)	128(55)
Moderate	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
Poor	0(0)	0(0)	0(0)	1(1)	0(0)	1(0)
Very poor	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
don't know	99(16.7)	69(35)	168(21)	18(16)	33(27)	51(22)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

17. Do you think that the current flood warning system is adequate or not?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	57(9.6)	42(22)	99(13)	29(26)	26(21)	55(24)
No	495(83.6)	144(74)	639(81)	76(69)	90(73)	166(71)
No idea	8(1.4)	2(1)	10(1)	2(2)	3(2)	5(2)
DNR	32(5.4)	7(4)	39(5)	3(3)	4(3)	7(3)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



19.Has the community developed any system for securing themselves of any threat from floods	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	154(26)	55(28)	209(27)	34(31)	29(24)	63(27)
No	411(69.4)	136(70)	547(70)	72(65)	92(75)	164(70)
DNR	27(4.6)	4(2)	31(4)	4(4)	2(2)	6(3)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

19.1	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
IDENTIFIED SAFE PLACE FOR EVACUATION OF FAMILIES/BELONGINGS	452(76.4)	166(85)	618(79)	92(84)	114(93)	206(88)
SAMUDAYIK CHETAUNI PRANALI KA VIKAS	93(15.7)	29(15)	122(16)	16(15)	4(3)	20(9)
CREATION OF GRAIN BANKS-2	7(1.2)	3(2)	10(1)	0(0)	0(0)	0(0)
ARRANGEMENT OF FLOOD SAFETY EQUIPMENT'S SUCH AS TARPAULIN, WATER JERKINS, LANTERNS	35(5.9)	21(11)	56(7)	0(0)	0(0)	0(0)
DEVELOPED COMMUNITY SYSTEMS OF WARNING	5(0.8)	0(0)	5(1)	0(0)	0(0)	0(0)
DEVELOPMENT OF SKILL TO TACKLE SITUATION	1(0.2)	0(0)	1(0)	0(0)	0(0)	0(0)
OTHERS	2(0.3)	0(0)	2(0)	0(0)	0(0)	0(0)

20. Where do you take shelter at the time of floods	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Nearby High Point	27(4.6)	5(3)	32(4)	4(4)	2(2)	6(3)
Embankments	401(67.7)	150(77)	551(70)	102(93)	106(86)	208(89)
In Government provided shelter at far off places	114(19.3)	17(9)	131(17)	4(4)	8(7)	12(5)
Leave the village (temporarily)	50(8.4)	23(12)	73(9)	0(0)	7(6)	7(3)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



23. Are you aware of any threat to the embankment? 1. Yes-1, 2. No -2, 3. Don't know-3	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Yes	154(26)	55(28)	209(27)	34(31)	29(24)	63(27)
No	411(69.4)	136(70)	547(70)	72(65)	92(75)	164(70)
Don't know	27(4.6)	4(2)	31(4)	4(4)	2(2)	6(3)
	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

23.1 If yes what is the threat	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Cracks developing on embankment due water flow/ water currents	93(15.7)	29(15)	122(16)	16(15)	4(3)	20(9)
Shifting path of river	114(19.3)	17(9)	131(17)	4(4)	8(7)	12(5)
Persistent rains	154(26)	55(28)	209(27)	34(31)	29(24)	63(27)
Erosion across the stretch	99(16.7)	69(35)	168(21)	18(16)	33(27)	51(22)
Excessive movement on the embankment in terms of traffic	236(39.9)	28(14)	264(34)	4(4)	8(7)	12(5)
Lot of cattle movement	104(17.6)	34(17)	138(18)	11(10)	20(16)	31(13)
Cracks on the embankment and shifting path of River	220(37.2)	145(74)	365(46)	97(88)	103(84)	200(86)
Persistent rains, and erosion across the stretch	284(48)	97(50)	381(48)	63(57)	55(45)	118(51)

Multiple Responses. Percentages will not add up to totals

24. Whom do you inform if you ever notice any threat to the embankment?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
Inform the village level committee	57(9.6)	42(22)	99(13)	29(26)	26(21)	55(24)
Inform the PRI members	104(17.6)	34(17)	138(18)	11(10)	20(16)	31(13)
Inform the WRD official (Home guard/ Divisional official)	105(17.7)	10(5)	115(15)	29(26)	24(20)	53(23)
Inform the NGOs	50(8.4)	23(12)	73(9)	0(0)	7(6)	7(3)
Any other (Please specify) Inform district officials	93(15.7)	29(15)	122(16)	16(15)	4(3)	20(9)
Inform Both Department and District officials	114(19.3)	17(9)	131(17)	4(4)	8(7)	12(5)
Inform PRI members and WR Department	154(26)	55(28)	209(27)	34(31)	29(24)	63(27)

Multiple response, percentage will not add up to 100



25. How do you inform?	KOSI			KAMLA BALAAN		
	Eastern	Western	Total	Left	Right	Total
By personally meeting WRD official/NGOs/ PRI member	254(42.9)	105(53.8)	359(45.6)	49(44.5)	54(43.9)	103(44.2)
By personally meeting WRD official/NGOs/ PRI member	106(17.9)	32(16.4)	138(17.5)	23(20.9)	31(25.2)	54(23.2)
By making a phone call (mobile)-2	72(12.2)	16(8.2)	88(11.2)	6(5.5)	8(6.5)	14(6.0)
By sending a letter	20(3.4)	5(2.6)	25(3.2)	4(3.6)	3(2.4)	7(3.0)
By sending email	8(1.4)	0(0.0)	8(1.0)	0(0.0)	6(4.9)	6(2.6)
Any other (please specify)DNR	132(22.2)	37(18.9)	169(21.4)	28(22.7)	21(17.0)	49(21.0)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

26. What is the current system of surveillance of the embankment?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
It is being done departmentally (by Water Resource Division)	472(80)	162(83)	634(81)	84(76)	102(83)	186(80)
It is being done by Villagers/ community members	57(10)	16(8)	73(9)	22(20)	11(9)	33(14)
PRI members are involved in surveillance	2(0)	1(1)	3(0)	0(0)	0(0)	0(0)
NGOs/ CBOs are involved in surveillance	32(5)	7(4)	39(5)	0(0)	1(1)	1(0)
Any other (specify)	29(5)	9(5)	38(5)	4(4)	9(7)	13(6)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

27. Do you think that there is a necessity for regular surveillance needed for protection and care of the embankment	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	478(81)	159(82)	637(81)	92(84)	105(85)	197(85)
No	97(16)	26(13)	123(16)	10(9)	11(9)	21(9)
Don't know	17(3)	10(5)	27(3)	8(7)	7(6)	15(6)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



28. Can you remember of any instance that embankment issues were discussed in your Gram Sabha/Sansad?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	122(21)	58(30)	180(23)	14(13)	10(8)	24(10)
No	428(72)	122(63)	550(70)	87(79)	108(88)	195(84)
Don't know	17(3)	9(5)	26(3)	4(4)	4(3)	8(3)
Did not respond	25(4)	6(3)	31(4)	5(5)	1(1)	6(3)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

28.1 Do you think the Gram Sabha / PRI institution can play an important role in embankment surveillance?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	279(47)	109(56)	388(49)	56(51)	43(35)	99(42)
No	239(40)	69(35)	308(39)	34(31)	58(47)	92(39)
Don't know	26(4)	11(6)	37(5)	15(14)	20(16)	35(15)
Did not respond	48(8)	6(3)	54(7)	5(5)	2(2)	7(3)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

28.2 How can PRI play an important role	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
By involving committees specific to embankment surveillance	222(38)	68(35)	290(37)	46(42)	48(39)	94(40)
By discussing in gramsabha meeting	94(16)	27(14)	121(15)	18(16)	43(35)	61(26)
By making regulations for embankment safety	122(21)	58(30)	180(23)	14(13)	10(8)	24(10)
By penalising people who purposely disintegrate the embankment	57(10)	16(8)	73(9)	22(20)	11(9)	33(14)
Did not respond	97(16)	26(13)	123(16)	10(9)	11(9)	21(9)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

29. Do you have any information as to who does the maintenance of the embankment	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	210(35)	61(31)	271(34)	43(39)	51(41)	94(40)
No	335(57)	125(64)	460(58)	54(49)	46(37)	100(43)
Don't know	47(8)	9(5)	56(7)	13(12)	26(21)	39(17)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



29.1 If yes who does the maintenance	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
It is being done departmentally (by Water Resource Division)	120(20)	46(24)	166(21)	9(8)	15(12)	24(10)
It is being done by Villagers/ community members	48(8)	0(0)	48(6)	25(23)	31(25)	56(24)
PRI members are involved in surveillance	17(3)	9(5)	26(3)	4(4)	4(3)	8(3)
NGOs/ CBOs are involved in surveillance	25(4)	6(3)	31(4)	5(5)	1(1)	6(3)
Any other (specify)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
TOTAL	210(35)	61(31)	271(34)	43(39)	51(41)	94(40)

30. When is the work carried about (Periodicity of work)	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Every Year during monsoon	46(8)	13(7)	59(7)	7(6)	5(4)	12(5)
Every Year Pre Monsoon	11(2)	4(2)	15(2)	32(29)	24(20)	56(24)
During Reporting by villagers of breaching	1(0)	3(2)	4(1)	0(0)	0(0)	0(0)
Every 2 years	3(1)	4(2)	7(1)	0(0)	0(0)	0(0)
Every 5 years	1(0)	1(1)	2(0)	0(0)	0(0)	0(0)
No repair	48(8)	9(5)	57(7)	2(2)	3(2)	5(2)
Don't know	100(17)	27(14)	127(16)	2(2)	19(15)	21(9)
Total	210(35)	61(31)	271(34)	43(39)	51(41)	94(40)

31. Do the department involve you/community in any of the maintenance work?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	25(4)	5(3)	30(4)	2(2)	2(2)	4(2)
NO	473(80)	167(86)	640(81)	104(95)	109(89)	213(91)
Don't Know	77(13)	22(11)	99(13)	3(3)	11(9)	14(6)
Did not respond	17(3)	1(1)	18(2)	1(1)	1(1)	2(1)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

32. Do the department involve PRI in any of the maintenance work?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	23(4)	7(4)	30(4)	2(2)	4(3)	6(3)
No	26(4)	9(5)	35(4)	1(1)	4(3)	5(2)
Don't Know						
NA	87(15)	29(15)	116(15)	25(23)	18(15)	43(18)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



33. Do you know any official from the Water Resource Department staff placed in the nearest Division?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	22(4)	6(3)	28(4)	2(2)	2(2)	4(2)
No	69(12)	17(9)	86(11)	2(2)	5(4)	7(3)
Don't know	496(84)	172(88)	668(85)	106(96)	116(94)	222(95)
NA	5(1)	0(0)	5(1)	0(0)	0(0)	0(0)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

34 . Have you ever interacted with the WRD officer about embankment maintenance/repair?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	33(6)	6(3)	39(5)	0(0)	4(3)	4(2)
No	503(85)	182(93)	685(87)	99(90)	116(94)	215(92)
Don't know	56(9)	7(4)	63(8)	11(10)	3(2)	14(6)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

35. Are you satisfied with the manner in the way that maintenance work is being carried out by the department?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	49(8)	3(2)	52(7)	5(5)	2(2)	7(3)
No	442(75)	145(74)	587(75)	66(60)	89(72)	155(67)
Don't know	99(17)	47(24)	146(19)	39(35)	32(26)	71(30)
TATBHANDO KE KINAREMITTI DALKAR OR KATTRING KA KAAM HONA CHAYEA	2(0)	0(0)	2(0)	0(0)	0(0)	0(0)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

36. How do you get information related to the condition of embankment:	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
By personally meeting WRD official/NGOs/ PRI member	105(18)	23(12)	128(16)	31(28)	18(15)	49(21)
By making a phone call (mobile)	100(17)	33(17)	133(17)	19(17)	28(23)	47(20)
By sending a letter	27(5)	12(6)	39(5)	2(2)	5(4)	7(3)
By sending email	2(0)	0(0)	2(0)	0(0)	0(0)	0(0)
By giving information to block authorities	66(11)	10(5)	76(10)	12(11)	7(6)	19(8)



Don't give any information	282(48)	117(60)	399(51)	46(42)	58(47)	104(45)
DID NOT RESPOND	10(2)	0(0)	10(1)	0(0)	7(6)	7(3)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

37. Do you or any one in your family have a mobile phone?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	485(82)	162(83)	647(82)	86(78)	97(79)	183(79)
NO	107(18)	33(17)	140(18)	24(22)	26(21)	50(21)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

38 . Do you / your community have Internet access?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	128(22)	34(17)	162(21)	19(17)	24(20)	43(18)
No	464(78)	161(83)	625(79)	91(83)	99(80)	190(82)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

39. Do you or the community have mobile numbers of officials who are needed to be informed if you happen to notice any breach / destruction of embankment or you perceive any threat to the embankment?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	116(20)	41(21)	157(20)	34(31)	30(24)	64(27)
No	476(80)	154(79)	630(80)	76(69)	93(76)	169(73)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

39. Communication mode	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Do you or any one in your family have a mobile phone?	485(82)	162(83)	647(82)	86(78)	97(79)	183(79)
Do you / your community have Internet access?	128(22)	34(17)	162(21)	19(17)	24(20)	43(18)
Do you or the community have mobile numbers of officials who are needed to be informed if you happen to notice any breach / destruction of embankment or you perceive any threat to the embankment?	116(20)	41(21)	157(20)	34(31)	30(24)	64(27)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



40. Are you aware of any help line number which could be contacted in the event you notice any leakage, seepage, degeneration on the embankment?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	21(4)	2(1)	23(3)	2(2)	1(1)	3(1)
No	509(86)	187(96)	696(88)	103(94)	119(97)	222(95)
Not sure	62(10)	6(3)	68(9)	5(5)	3(2)	8(3)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

41. Do you think a free helpline no. would be necessary for communicating effectively with the concerned department where information could be given promptly, when anything untoward is noticed?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	521(88)	187(96)	708(90)	105(95)	119(97)	224(96)
No	10(2)	2(1)	12(2)	0(0)	1(1)	1(0)
Not sure	61(10)	6(3)	67(9)	5(5)	3(2)	8(3)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

42. Do you think a mobile app should be developed where in while you are passing any message/ picture to the concerned department all the details of geographical location, condition of embankment could be effectively sent?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	96(16)	26(13)	122(16)	20(18)	21(17)	41(18)
NO	426(72)	136(70)	562(71)	79(72)	90(73)	169(73)
Not sure	70(12)	33(17)	103(13)	11(10)	12(10)	23(10)
TOTAL	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)

43. Can you or your community be engaged in embankment surveillance measures by any indigenous method?	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Yes	350(59)	135(69)	485(62)	74(67)	84(68)	158(68)
No	85(14)	15(8)	100(13)	5(5)	8(7)	13(6)
Not sure	157(27)	45(23)	202(26)	31(28)	31(25)	62(27)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



44. What type of support would you or your community members need to be able to effectively communicate with the officials regarding embankment surveillance/management	KOSI			Kamla		
	Eastern	Western	Total	Right	Left	Total
Organized training on embankment surveillance and management	105(18)	23(12)	128(16)	31(28)	18(15)	49(21)
Financial and administrative support	100(17)	33(17)	133(17)	19(17)	28(23)	47(20)
Timely information	27(5)	12(6)	39(5)	2(2)	5(4)	7(3)
provision of safety equipment's and financial support during evacuation	2(0)	0(0)	2(0)	0(0)	0(0)	0(0)
Involving the community in planning implementation of embankment safety	66(11)	10(5)	76(10)	12(11)	7(6)	19(8)
Supporting transparency measures	282(48)	117(60)	399(51)	46(42)	58(47)	104(45)
Others	10(2)	0(0)	10(1)	0(0)	7(6)	7(3)
Total	592(100)	195(100)	787(100)	110(100)	123(100)	233(100)



Annexure 8A: Mobile numbers of respondents / PRI members collected during the survey and who have agreed to cooperate in information flow, be members of the embankment surveillance committee

CONTACT NUMBERS OF RESPONDENTS FROM SAHARSA DISTRICT

S.N O	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
1	MD JABBAR KHAN	56 -70	Male	SAHARSA	MAHISI	SHIKHAR VISTAR	GAMRAHO	101	1	9572462622
2	MD SHIVLI NOMANI	41-55	Male	SAHARSA	MAHISI	SHIKHAR VISTAR	GAMRAHO	101	1	9801168491
3	GULAM RASUL	41-55	Male	SAHARSA	MAHISI	SHIKHAR VISTAR	GAMRAHO	101	1	9973876885
4	NITISH KUMAR	<25	Male	SAHARSA	MAHISI	SHIKHAR VISTAR	GAMRAHO	101	1	7549563362
5	PULKIT RAM	56 -70	Male	SAHARSA	MAHISI	SHIKHAR VISTAR	GAMRAHO	101	1	9199057700
6	SEETA RAM YADAV	41-55	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80	1	7070753406
7	UDAY KUMAR	<25	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.65	1	9931856604
8	KASHI YADAV	25-40	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.65	1	9572729359
9	VINAY YADAV	25-40	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.65	1	952523125
10	CHANDRAVIND YADAV	25-40	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.65	1	8651482498
11	SHRAVAN KUMAR YADAV	25-40	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.65	1	7781976850
12	BRAHMDEV YADAV	25-40	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.6	1	9534470074
13	SULINDRA YADAV	41-55	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.6	1	8002438295
14	SHRI BHANDARI YADAV	56 -70	Male	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.6	1	7782064271
15	JIVHI DEVI	25-40	Female	SAHARSA	NAUHATTA	MOHANPUR	MISROLIA	80.6	1	9931856604
16	AHILYA DEVI	41-55	Female	SAHARSA	MAHISI	MANOHAR	JALAI	49	2	9006031874
17	KIRAN DEVI	<25	Female	SAHARSA	MAHISI	MANOHAR	JALAI	49	2	7543931160
18	SUKRATI RAI	56 -70	Male	SAHARSA	MAHISI	MAN NAGAR	JALAI	49	2	9006113549



S.N O	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
19	MAHADEV PASVAAN	25-40	Male	SAHARSA	MAHISI	MUNVAR	JALAI	49	2	8521200710
20	NAGIYA DEVI	25-40	Female	SAHARSA	MAHISI	MUNVAR	JALAI	49	2	9939753841
21	GUNESHVAR SADA	41-55	Male	SAHARSA	MAHISI	MUNVAR	JALAI	49	2	8292653985
22	SABUSADA	41-55	Male	SAHARSA	MAHISI	MUNVAR	JALAI	49	2	9771189820
23	SAMEENA NAAZ	25-40	Female	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9801612098
24	ASHOK MISHRA	41-55	Male	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9955625978
25	ABDUL HAKEEM ANSARI	56 -70	Male	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9204536650
26	MANTUN PAINTER	25-40	Male	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9431481068
27	SEKHAN KHATUN	25-40	Female	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	8969863501
28	RAJAN MISHRA	<25	Male	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9570519500
29	MANJU DEVI	41-55	Female	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9939790472
30	MANISHANKAR KUMAR	25-40	Male	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9162425933
31	RENU DEVI	41-55	Female	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9955625978
32	ISTIKHAR ALAM	41-55	Male	SAHARSA	MAHISI	RAJANPUR	RAJANPUR	103	1	9470085196
33	BHAWNATH CHOUDHARY	56 -70	Male	SAHARSA	MAHISI	MAHISHI UTTARI	MAHISHI	95	1	9472184666
34	MUNNA JHA	25-40	Male	SAHARSA	MAHISI	MAHISHI UTTARI	MAHISHI	95	1	8294207333
35	NILMAALA DEVI	25-40	Female	SAHARSA	MAHISI	MAHISHI UTTARI	MAHISHI	95	1	8051405677
36	KUNDAN KUMARMISHRA	41-55	Male	SAHARSA	MAHISI	MAHISHI UTTARI	MAHISHI	95	1	7631948483
37	AJAY KUMAR MISHRA	25-40	Male	SAHARSA	MAHISI	MAHISHI UTTARI	MAHISHI	93-94	1	9709880178
38	AMARKANT JHA	41-55	Male	SAHARSA	MAHISI	MAHISHI UTTARI	MAHISHI	95	1	9931997789
39	JAALU SHATRMA	41-55	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	BHAGWANPU R	95	1	7739157164



S.N O	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
40	KULESHWAR YADAV	56 -70	Male	SAHARSA	SIMRI BAKHTIYARP UR	DHOGSAN	TILATHI	104-105	1	9155920545
41	MANJU DEVI	41-55	Female	SAHARSA	SIMRI BAKHTIYARP UR	DHOGSAN	TILATHI	104-105	1	9534655780
42	SHANKAR YADAV	41-55	Male	SAHARSA	SIMRI BAKHTIYARP UR	DHOGSAN	TILATHI	104-105	1	8521111009
43	GHANSHYAM YADAV	25-40	Male	SAHARSA	SIMRI BAKHTIYARP UR	DHOGSAN	TILATHI	104-105	1	8969732369
44	TARNI YADAV	56 -70	Male	SAHARSA	SIMRI BAKHTIYARP UR	DHOGSAN	TILATHI	105	1	8294312563
45	VIMLESH KUMAR YADAV	25-40	Male	SAHARSA	SIMRI BAKHTIYARP UR	DHOGSAN	TILATHI	104-105	1	9771557994
46	BHUSAN YADAV	<25	Male	SAHARSA	SIMRI BAKHTIYARP UR	DHOGSAN	TILATHI	104-105	1	7504562572
47	LALAN YADAV	41-55	Male	SAHARSA	SIMRI BAKHTIYARP UR	DHOGSAN	TILATHI	105	1	9572477922
48	JITENDRA PRADAS SINGH	41-55	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	9472859842
49	SAURABH KUMAR	<25	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	7070678030
50	GAJENDRA PRASAD SINGH	56 -70	Male	SAHARSA	MAHISI	MAHPURA	MAHPURA	98	1	9472847481
51	KISTO SINGH	56 -70	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	9431804134



S.N O	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
52	VIMLENDU KUMAR SINGH	56 -70	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	8544249212
53	SUBHAS KUMAR	25-40	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	7070835965
54	AMBHIKA PRASAD SINGH	56 -70	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	9472849307
55	SHRANAV KUMAR SINGH	25-40	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	8271907297
56	BITTU KUMAR SINGH	<25	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	8541915144
57	RAMCHANDER SINGH	41-55	Male	SAHARSA	MAHISI	MAHISHI DAKSHINI	MAHPURA	98	1	9472686367
58	RAMCHANDAR	41-55	Male	SAHARSA	MAHISI	MAHISARO	BALUA	90	1	9818199746
59	KULDEEP PASWAN	25-40	Male	SAHARSA	MAHISI	MAHISARI	BALUA	90	1	7091943300
60	CHANDRABHUSHAN RAI	41-55	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKAD	83.40,83. 20	1	8298182370
61	RAMAN KUMAR MISHRA	41-55	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKAD	82.86	1	8877311673
62	DHANANJAY KUMAR JHA	41-55	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKAD	83.40, 83.20	1	8298149412
63	ARVIND RAI	41-55	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKAD	83.40	1	9934755067
64	VINOD RAI	56 -70	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKAD	83.40	1	8051205394
65	BAMBHOLA THAKUR	56 -70	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKAD	83.21, 82.80	1	7631267062 /9350560660
66	AMAL KANT JHA	25-40	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKHAD	83.4	1	8278184414
67	GAURI SHANKAR THAKUR	41-55	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKHAD	83,84	1	9540722062
68	KRISHNA KINKAR THAKUR	41-55	Male	SAHARSA	NAUHATTA	CHANDRAYAN	EKHAD	83.40- 83.20	1	7631555531
69	NUNU LALA SADA	41-55	Male	SAHARSA	MAHISI	TELWA PACHIM	NABADA	48	1	9931914877



S.N O	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
70	GAURI SHANKAR MISTRI	41-55	Male	SAHARSA	MAHISI	TELWA PACHIM	NABADA	48	2	8292646358
71	JITENDRA KUMAR SADA	<25	Male	SAHARSA	MAHISI	TELWA PACHIM	NABADA	48	2	9199688386
72	VISUNDEV ROY	41-55	Male	SAHARSA	MAHISI	TELWA PACHIM	NABADA	48	2	9939886417
73	SARVESH RAJ AALAM	<25	Male	SAHARSA	MAHISI	TELWA PACHIM	NABADA	48	2	8292077227
74	RAMSWAROOP YADAV	56 -70	Male	SAHARSA	MAHISI	TELWA PACHIM	NABADA	48	2	7070838429
75	AMARJEET ROY	<25	Male	SAHARSA	MAHISI	TELWA PACHIM	NABADA	48	2	8742938085
76	RAMRAKSHI ROY	56 -70	Male	SAHARSA	MAHISI	TELWA PACHIM	NABADA	48	2	9546479542
77	HARI LAL SINGH	41-55	Male	SAHARSA	MAHISI	TELWA PACHIM	SAMAANI VANTI	5000	2	9931744613
78	SREE KANT SAAH	56 -70	Male	SAHARSA	MAHISI	TELWA PACHIM	SAMAANI VANTI	49.5	2	9934724283
79	RATTI LAL RAM	25-40	Male	SAHARSA	MAHISI	VANTI TELWA	VANTI	50	2	8557902297
80	ARUN RAM	41-55	Male	SAHARSA	MAHISI	TELWA PACHIM	VANTI	50	2	9572704826
81	VIPIN KUMAR	25-40	Male	SAHARSA	MAHISI	VANTI TELWA	VANTI	49.5	2	9523954431
82	SURYANARAYAN YADAV	56 -70	Male	SAHARSA	MAHISI	VANTI TELWA	VANTI	49.5	2	8292174371
83	FULESHWAR YADAV	41-55	Male	SAHARSA	MAHISI	VANTI TELWA	VANTI	50	2	9006471478
84	BIHARI YADAV	41-55	Male	SAHARSA	MAHISI	VANTI TELWA	VANTI	49.5	2	9798409056
85	KHUSI LAL SADA	56 -70	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53.5	2	8294379051
86	DR. NAVEEN KUMAR	<25	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53.5	2	7771071815
87	UMESH SAAH	41-55	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53.5	2	7858991275
88	AMARJEET KUMAR SAAH	25-40	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53.5	2	7250691678
89	JABEED AKHTAR	25-40	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53.8	2	9801721500



S.N O	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
90	LALBAHADUR SAAH	41-55	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53.8	2	7764010118
91	PRITHIBI CHANDRA SADA	25-40	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53	2	8271355278
92	KAILASH YADAV	41-55	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	9472452540
93	VISESWAR SAAH	41-55	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	8969725455
94	PUNEET KUMAR	25-40	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	9771526129/947284 9264
95	MADAN KUMAR	41-55	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	9430858760
96	SONU KUMAR	<25	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	9931439008
97	VIKAS KUMAR	25-40	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	8757578454
98	MANISH SAAH	25-40	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	7631374931
99	VIVEKANAND RAM	25-40	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	9661913662
100	KUSESWAR SAAH	41-55	Male	SAHARSA	MAHISI	MAHISARO	SAROONI	89	1	8294762703
101	CHATRADHAARI YADAV	25-40	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	93	1	9430055849/912264 7763
102	SAMBHU PASWAAN	41-55	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	93	1	8566870669
103	SHYAM PAASWAN	25-40	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	93	1	8757486070
104	RANJEET KUMAR	<25	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	95	1	9546374361
105	NITISH KUMAR	<25	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	93	1	7091771010
106	SATNAAMPASHWAA N	41-55	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	93	1	9546374361
107	CHANDRA KUMAR YADAV	41-55	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	93	1	9561968704
108	SHIV KUMAR SUMAN	41-55	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	93	1	9431287810
109	NIRAJ KUMAR	<25	Male	SAHARSA	MAHISI	MAHISARO	TEGHRA	93.25,92. 70	1	9472368661/827136 8646
110	MAHADEV SAH	41-55	Male	SAHARSA	MAHISI	MAHISARO	BALUA	90	1	7739498667



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111	ARVIND SAH	<25	Male	SAHARSA	MAHISI	MAHISARO	BALUA	90	1	9006020236
112	DHEERAJ PASWAN	<25	Male	SAHARSA	MAHISI	MAHISARO	BALUA	90	1	9546364002/754393 1206
113	VAKIL SHAH	25-40	Male	SAHARSA	MAHISI	MAHISHRAHI	BALUA	91 KM	1	7250417785
114	ASHA DEVI	<25	Female	SAHARSA	MAHISI	MAHISHRAHI	BALUA	90 KM	1	8292431736
115	UMESH CHANDRA YADAV	56 -70	Male	SAHARSA	MAHISI	MAHISHRAHI	BALUA	90 KM	1	9430450528
116	DEVENDRA SHAH	41-55	Male	SAHARSA	MAHISI	MAHISHRAHI	BALUA	90 KM	1	9631122857
117	DINESH SHAH	41-55	Male	SAHARSA	MAHISI	MAHISHRAHI	BALUA	90 KM	1	9102150296
118	RAJESH PRASAD GUPTA	25-40	Male	SAHARSA	MAHISI	MAHISHRAHI	BALUA	90 KM	1	8986438106
119	LUCHO SHAH	41-55	Male	SAHARSA	MAHISI	MAHISHRAHI	MAHISHRAHI	90 KM	1	7549382067
120	BHARTI KUMARI	<25	Female	SAHARSA	MAHISI	MAHISHRAHI	MAHISHRAHI	90 KM	1	7209623218
121	PANKAJ KUMAR	25-40	Male	SAHARSA	MAHISI	MAHISHRAHI	MAHISHRAHI	88 KM	1	9572892323
122	HARE KRISHAN SHAH	25-40	Male	SAHARSA	MAHISI	MAHISHRAHI	MAHISHRAHI	88 KM	1	9955726005
123	MANOJ KUMAR	25-40	Male	SAHARSA	MAHISI	MAHISHRAHI	MAHISHRAHI	88 KM	1	9631097238
124	SATYA NARAYAN SHAH	41-55	Male	SAHARSA	MAHISI	MAHISHRAHI	MAHISHRAHI	88 KM	1	8294905571
125	NITISH KUMAR	<25	Male	SAHARSA	MAHISI	MAHISARI	MAHISRO	88	1	9128703932
126	BUCHO SHAH	41-55	Male	SAHARSA	MAHISI	MAHISARI	MAHISRO	88	1	9973965047
127	KISHAN KUMAR SINGH	<25	Male	SAHARSA	NAUHATTA	MOHANPUR	MOHANPUR	81-82KM	1	9135527154
128	KUMAR SINGH	41-55	Male	SAHARSA	NAUHATTA	MOHANPUR	MOHANPUR	81.50KM	1	9572911073
129	SANT PRASAD YADAV	41-55	Male	SAHARSA	NAUHATTA	MOHANPUR	MOHANPUR	81.50KM	1	7033801824
130	SHASHINATH SINGH	41-55	Male	SAHARSA	NAUHATTA	MOHANPUR	MOHANPUR	81.50KM	1	7352904762
131	SONU KUMAR	<25	Male	SAHARSA	NAUHATTA	MOHANPUR	MOHANPUR	81.50KM	1	9534462911



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132	PARMAD SINGH	56 -70	Male	SAHARSA	NAUHATTA	MOHANPUR	MOHANPUR	81.50KM	1	9973368195
133	MAHESHWAR PRASAD	56 -70	Male	SAHARSA	NAUHATTA	MOHANPUR	MOHANPUR	81.50KM	1	9199784471
134	SITA RAM YADAV	41-55	Male	SAHARSA	MAHISI	SIRVAR VIRVAR	GAMRAHO	101.00 KM	1	8298249953
135	MOHAMMAD IMTIAZ	<25	Male	SAHARSA	MAHISI	SIRVAR VIRVAR	GAMRAHO	101.00 KM	1	9199068015
136	MOHAMMAD BABUL PYARE	<25	Male	SAHARSA	MAHISI	SIRVAR VIRVAR	GAMRAHO	101.00 KM	1	9006696741
137	MOHAMMAD USMAN	56 -70	Male	SAHARSA	MAHISI	SIRVAR VIRVAR	GAMRAHO	101 KM	1	9993499484
138	MOHAMMAD VILAS	25-40	Male	SAHARSA	MAHISI	SIRVAR VIRVAR	GAMRAHO	101 KM	1	9601070460
139	SATYA NARAYAN SHAH	25-40	Male	SAHARSA	NAUHATTA	CHANDRAYAN	CHANDRAYA N	83.84 KM	1	9570269467
140	NILAMBAR CHAUDHARY	41-55	Male	SAHARSA	NAUHATTA	CHANDRAYAN	CHANDRAYA N	81.80 KM	1	8406060157
141	RAMU CHAUDHARY	56 -70	Male	SAHARSA	NAUHATTA	CHANDRAYAN	CHANDRAYA N	81.80 KM	1	8298996316
142	MUNN DEVI	41-55	Female	SAHARSA	NAUHATTA	CHANDRAYAN	CHANDRAYA N	81.80 KM	1	8676843353
143	AJAY KUMAR YADAV	<25	Male	SAHARSA	NAUHATTA	CHANDRAYAN	CHANDRAYA N	83.84 KM	1	8298996340
144	SURENDRA CHAUDHARY	56 -70	Male	SAHARSA	NAUHATTA	CHANDRAYAN	CHANDRAYA N	83.84 KM	1	7739278177
145	MOHAMMAD SAHBUNI	41-55	Male	SAHARSA	NAUHATTA	MOHANPUR	FAKRAHI	80.65 KM	1	7759955889
146	SAZRANA PRAVIN	<25	Female	SAHARSA	NAUHATTA	MOHANPUR	FAKRAHI	80.65 KM	1	7766971818
147	SHAHJAHAN BEGUM	25-40	Female	SAHARSA	NAUHATTA	MOHANPUR	FAKRAHI	80.65 KM	1	8002159216
148	MOHAMMAD FOOL HASAN	56 -70	Male	SAHARSA	NAUHATTA	MOHANPUR	FAKRAHI	80.65 KM	1	8292600291



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149	MOHAMMAD ZAKIR	56 -70	Male	SAHARSA	NAUHATTA	MOHANPUR	FAKRAHI	80.65 KM	1	9572869568
150	MOHAMMAD SABHI AHMED	56 -70	Male	SAHARSA	NAUHATTA	MOHANPUR	FAKRAHI	80.65 KM	1	9973431895
151	MAJUR KHAN	41-55	Male	SAHARSA	NAUHATTA	MOHANPUR	FAKRAHI	80.65 KM	1	8002209602
152	GULSHAN AARA	25-40	Female	SAHARSA	NAUHATTA	MOHANPUR	FAKRAHI	80.65 KM	1	7759955889
153	RAJENDRA PRASAD SHAH	56 -70	Male	SAHARSA	MAHISI	TELWA	THUMRI	48 KM	1	9470050571
154	ANIL SHAH	25-40	Male	SAHARSA	MAHISI	TELWA	THUMRI	47 KM	2	9835423032
155	DILIP YADAV	41-55	Male	SAHARSA	MAHISI	GAROL BADHWA	THUMRI SUPAUL	47 KM	2	8084316803
156	SHIVNARAYAN YADAV	56 -70	Male	SAHARSA	MAHISI	BADHWA	THUMRI	47 KM	2	8962257584
157	RAJKUMAR SHAH	41-55	Male	SAHARSA	MAHISI	TELWA PASCHIM	THUMRI SUPAUL	48 KM	2	8084989537
158	HARIMOHAN	25-40	Male	SAHARSA	MAHISI	TELWA PASCHIM	THUMRI SUPAUL	48 KM	2	8002823089
159	SITARAM SHARMA	25-40	Male	SAHARSA	MAHISI	TELWA PASCHIM	THUMRI SUPAUL	48 KM	1	8544058652
160	RAJIV RANJAN	25-40	Male	SAHARSA	MAHISI	TELWA PASCHIM	THUMRI SUPAUL	48 KM	2	9955489139
161	DULAR CHAND SHAH	41-55	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53 KM	2	9199313815
162	MOHAMMAD ALIMUDIN	41-55	Male	SAHARSA	MAHISI	DHONDEPUR	DHONDEPUR	53 KM	2	8084982916
163	MAHESH MISHRA	41-55	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.86 KM	1	8051493043
164	ADARSH KUMAR JHA	<25	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.80 KM	1	7808633591
165	BRAJBHUSHAN JHA	56 -70	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.80	1	7766236822



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								KM		
166	SINTU GUPTA	<25	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.80 KM	1	8678066982
167	AMAN KUMAR SHARMA	<25	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.80 KM	1	7631686475
168	AJAY SINGH	<25	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.80 KM	1	8404811958
169	PHULCHANDER YADAV	56 -70	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.80 KM	1	9835422622
170	AASHISH SINGH	25-40	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.80 KM	1	9835169689
171	UMESH JHA	41-55	Male	SAHARSA	NAUHATTA	HATTI	BARAHI	72.80 KM	1	7808636545
172	NAGIAN KHATUN	25-40	Female	SAHARSA	NAUHATTA	CHANDRAYAN	JODI	85-86 KM	1	8298936180
173	KANCHAN DEVI	25-40	Female	SAHARSA	NAUHATTA	CHANDRAYAN	JODHI	85.16 KM	1	8051916930
174	SUBASHCHANDER BOSE	25-40	Male	SAHARSA	NAUHATTA	CHANDRAYAN	JODHI	85.16 KM	1	8676827881
175	SUSHANT KUMAR	<25	Male	SAHARSA	NAUHATTA	CHANDRAYAN	JODHI	85.16 KM	1	8298635562
176	PRADEEP YADAV	25-40	Male	SAHARSA	NAUHATTA	CHANDRAYAN	JODHI	85.16 KM	1	9939031921
177	CHANDERKISHOR YADAV	41-55	Male	SAHARSA	NAUHATTA	CHANDRAYAN	JODHI	85.16 KM	1	8406061039
178	RAJKUMAR YADAV	<25	Male	SAHARSA	NAUHATTA	CHANDRAYAN	JODHI	85.16 KM	1	9555631069
179	BAIJU KUMAR YADAV	25-40	Male	SAHARSA	NAUHATTA	CHANDRAYAN	JODHI	85.16 KM	1	9431669746
180	LOCHAN DAS	56 -70	Male	SAHARSA	NAUHATTA	CHANDRAYAN	JODHI	85-86 KM	1	8677024359
181	ABDUL KRIUM	41-55	Male	SAHARSA	NAUHATTA	MURAADPUR	DHARHRA	84 KM	1	8877741428



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182	MOHAMMAD SOHRAV	41-55	Male	SAHARSA	NAUHATTA	MOORAPUR	DHARHARA	84.00 KM	1	8298784788
183	MOHAMMAD MEZBAN ALAM	25-40	Male	SAHARSA	NAUHATTA	MOORAPUR	DHARHARA	84.00 KM	1	7631896851
184	MANOJ DAS	25-40	Male	SAHARSA	NAUHATTA	MOORAPUR	DHARHARA	84.00 KM	1	8676074716
185	RAJU RAM	25-40	Male	SAHARSA	NAUHATTA	MOORAPUR	DHARHARA	84.00 KM	1	8676828407
186	SAWANA KHATUN	25-40	Female	SAHARSA	NAUHATTA	MOORAPUR	DHARHARA	84.00 KM	1	7631859712
187	VASUDEV DAS	56 -70	Male	SAHARSA	NAUHATTA	MOORAPUR	DHARHARA	84.00 KM	1	8051251831
188	PRAMOD KUMAR	56 -70	Male	SAHARSA	NAUHATTA	MOORAPUR	DHARHARA	84.00 KM	1	8405064166
189	CHIRANJIV JHA	25-40	Male	SAHARSA	NAUHATTA	CHANDRAYAN	SKARE	83.40 KM	1	8405811568
190	VINDESHWARI SHARMA	25-40	Male	SAHARSA	MAHISI	MAHISHI	BHAGWANTP UR	98.4 KM	1	9470211930
191	PHULO SHARMA	56 -70	Male	SAHARSA	MAHISI	MAHISHI	BHAGWANTP UR	98.4 KM	1	7739157128
192	ANAND MOHAN	25-40	Male	SAHARSA	MAHISI	MAHISHI	BHAGWANTP UR	97 KM	1	9006916851
193	GANESH PRASAD SINGH	41-55	Female	SAHARSA	MAHISI	MAHISHI	BHAGWANTP UR	97 KM	1	9572146854
194	MADHUKAR RAI	25-40	Male	SAHARSA	MAHISI	MAHISHI	BHAGWANTP UR	97 KM	1	9934438937
195	USHA DEVI	25-40	Female	SAHARSA	MAHISI	MAHISHI	BHAGWANTP UR	98 KM	1	7739438256
196	NIRO CHAUPAL	41-55	Male	SAHARSA	MAHISI	MAHISHI	BHAGWANTP UR	98 KM	1	7759975554
197	JAFARNEEM	25-40	Male	SAHARSA	NAUHATTA	SHAHPUR	MANOL	80.5 KM	1	9661062527
198	ANWAR AHMED	56 -70	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	80.5 KM	1	8294905251



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199	MOHAMMAD NOOR ALAM	25-40	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	80.5 KM	1	9973719563
200	MOHAMMAD RAMZAN AHMED	56 -70	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	80.5 KM	1	9955640244
201	MOHAMMAD AAZAD ALI	<25	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	80.5 KM	1	8292600298
202	NANDKISHORE RAI	25-40	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	80.5 KM	1	8292031318
203	ABDULHA	<25	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	80.5 KM	1	8809644219
204	MOHAMMAD AKIL	25-40	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	80.5 KM	1	9572724683
205	M.JAAHID HUSSAIN	56 -70	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	80 KM	1	80023689096
206	RAMESH KUMAR KAMAN	25-40	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	39 KM	1	9939914701
207	VARSHA KUMARI	<25	Female	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	99 KM	1	9006467055
208	GOPAL KRISHAN RAI	41-55	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	99 KM	1	9006467055
209	RAJVALLAB RAI	56 -70	Male	SAHARSA	NAUHATTA	SHAHPUR	MAJHAULI	99 KM	1	9661260927
210	BHANU PRAKASH	25-40	Male	SAHARSA	MAHISI	VIJBAR	VIJBAR	99 KM	1	9801290832
211	NARAYAN JHA	41-55	Female	SAHARSA	MAHISI	VIJBAR	VIJBAR	99 KM	1	8406082937
212	SUNENA DEVI	41-55	Female	SAHARSA	MAHISI	VIJBAR	VIJBAR	99 KM	1	9546091374
213	RAHUL KUMAR	<25	Male	SAHARSA	SAMDUA	GODDAR	BAGEWA	122 KM	1	9835829020
214	KANE YADAV	25-40	Male	SAHARSA	SAMDUA	GODDAR	BAGEWA	122 KM	1	8877760771
215	JAWAHAR YADAV	56 -70	Male	SAHARSA	SAMDUA	GODDAR	BAGEWA	122 KM	1	8057449508
216	KUNDAN MULAKAT	<25	Male	SAHARSA	SALARVUBHA	SITWAHA	SITWAHA	125 KM	1	8406841658
217	MAHARAJ SHARMA	25-40	Male	SAHARSA	SALARVUBHA	SITWAHA	SITWAHA	125 KM	1	8406841658
218	KAMESHWAR MALAKAT	41-55	Male	SAHARSA	SALARVUBHA	SITWAHA	SITWAHA	125 KM	1	8406841658
219	AJAY KUMAR	25-40	Male	SAHARSA	SALARVUBHA	SALARVUBHA	SALARVUBH A	124 KM	1	8051753078



S.N O	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
220	NAGO YADAV	41-55	Male	SAHARSA	SALARVUBHA	SALARVUBHA	SALARVUBH A	124 KM	1	9939481125
221	NEERAK KUMAR	41-55	Male	SAHARSA	SALARVUBHA	SALARVUBHA	SALARVUBH A	124 KM	1	9572149073
222	GAJENDRA MUKHIA	56 -70	Male	SAHARSA	MAHISI	BADHWA	GAROL	46 KM	2	9472919657
223	RAM VILAS SUTIHAR	41-55	Male	SAHARSA	MAHISI	BADHWA	GAROL	46 KM	2	9939886760
224	DORAI RAM	41-55	Male	SAHARSA	MAHISI	BADHWA	GAROL	46 KM	2	9798821732
225	REVNI DEVI	25-40	Female	SAHARSA	MAHISI	BADHWA	GAROL	45 KM	2	9199084237
226	RAMESHWAR SHAH	56 -70	Male	SAHARSA	MAHISI	BADHWA	GAROL	45 KM	2	9801187713
227	SUDHANSHU KUMAR JHA	25-40	Male	SAHARSA	MAHISI	BADHWA	GAROL	45 KM	2	9507570789
228	BHIM SHANKAR CHAUDHARY	41-55	Male	SAHARSA	MAHISI	BADHWA	GAROL	45 KM	1	7677752487
229	RAM SHANKAR CHAUDHARY	41-55	Male	SAHARSA	MAHISI	BADHWA	GAROL	46 KM	2	9931996815
230	BUCHI CHAUDHARY	56 -70	Male	SAHARSA	MAHISI	BADHWA	GAROL	45 KM	2	8002696003

CONTACT NUMBERS OF RESPONDENTS FROM SUPAUL DISTRICT:

Sl. NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Neares t Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
1	BIBI RISHAN AARA	41-55	Female	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	54	1	9798542988
2	MD SAHNAAJ NAGIB	<25	Male	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	53	1	9572757726
3	MUMTAAZ HUSEEN	56 -70	Male	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	53	1	9472210090



Sl. NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
4	MD NAUSAD ALAM	41-55	Male	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	53	1	9525786143
5	MD EVDUR RAHMAAN	25-40	Male	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	53	1	9162514788
6	MD KARIM	25-40	Male	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	53	1	8130606174
7	EKRAMUL	56 -70	Male	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	53	1	8521470644
8	MD HARUN RASEED	56 -70	Male	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	53	1	8521307220
9	SAMSHA BANO	<25	Female	SUPAUL	KISHANPUR	KATHARA	BHOKRAHI	54	1	7033481106
10	TAPESHWAR KUMAR	41-55	Male	SUPAUL	KISHANPUR	KATHARA	KHAKAYI	53	1	7549290167
11	TARNI PRA YAADAV	41-55	Male	SUPAUL	KISHANPUR	KATHARA	KHAKAYI	53	1	9472446662
12	SHREE PRASAD YADAV	25-40	Male	SUPAUL	KISHANPUR	KATHARA	KHAKAYI	52	1	9709929722
13	DUKHI YADAV	25-40	Male	SUPAUL	KISHANPUR	KATHARA	KHAKAYI	52-53	1	9470842665
14	VIJAY KUMAR	25-40	Male	SUPAUL	KISHANPUR	KATHARA KADAMPURA	KHAKHAI	52-53	1	8405808703
15	VINOD KUMAR	25-40	Male	SUPAUL	KISHANPUR	KATHARA KADAMPURA	KHAKHAI	52-53	1	7070733125
16	VIJENDER YADAV	<25	Male	SUPAUL	KISHANPUR	KATHARA KADAMPURA	KHAKHAI	52-53	1	8905869663
17	DINESH YADAV	25-40	Male	SUPAUL	KISHANPUR	KATHARA KADAMPURA	KHAKHAI	51-52	1	8406863147
18	SANTOSH KUMAR MEHTA	25-40	Male	SUPAUL	BASANTPUR	BHAGWANPUR	SAHEWAN	5.3	1	7250241554
19	PAWAQN KUMAR YADAV	41-55	Male	SUPAUL	BASANTPUR	BHAGWANPUR	SAHEWAN	5.7	1	9973018663
20	KAPLESHWAR MUKHIA	41-55	Male	SUPAUL	BASANTPUR	BHAGWANPUR	SAHEWAN	5.7	1	9771874767
21	MOHAMAD TABREJ	<25	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	9507208345
22	MOHAMMAD FARUKH	56 -70	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	7782014160
23	ABUL CASH	<25	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	9102825723
24	FIROZ AALAM	41-55	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	9973231992



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25	MOHAMMAD JAMRUDDIN	<25	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	9534728446
26	MOHAMMD ISRAFEEL	25-40	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	9525931932
27	BARKAT ALI	41-55	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	7070732273
28	MOHAMMAD IMTIAZ	25-40	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	9507208345
29	ANISH HAIDER	41-55	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	9955458786
30	MOHAMMAD NOMIN	<25	Male	SUPAUL	KISHANPUR	KADPURA	KATHARA	53	1	7549984039
31	PRBHASH KUMAAR	<25	Male	SUPAUL	SUPAUL	RAMDATPATTI	RAMDATPATTI	68.25	1	7631408014
32	RAJO CHAUDRI	41-55	Male	SUPAUL	SUPAUL	RAMDATPATTI	RAMDATPATTI	68.25	1	8677040354
33	MD MAHFOOZ	25-40	Male	SUPAUL	SUPAUL	RAMDATPATTI	RAMDATPATTI	68.85	1	8873506083
34	ANANT KUMAR	<25	Male	SUPAUL	SUPAUL	RAMDATPATTI	RAMDATPATTI	68.85	1	9534349710
35	SIKANDER SAAH	41-55	Male	SUPAUL	SUPAUL	RAMDATPATTI	RAMDATPATTI	68.5	1	9430663803
36	MOD NARAYAN MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	BAISA	25.14	1	7355046253
37	RAM DEV MEHTA	56 -70	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	BAISA	25.14	1	9199586972
38	DEEPAK KUMAR	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	BAISA	26	1	8229813084
39	LAKSHMI NARAYAN MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	BAISA	25.14	1	9934916751
40	RAJDEV MEHTA	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	BAISA	25.14	1	9855782110
41	INDRA NARAYAN SHARMA	41-55	Male	SUPAUL	BASANTPUR	BHIMNAGAR	BHIMNAGAR	2.3	1	9470212225/9155759428
42	RAJENDRA MANDAL	41-55	Male	SUPAUL	BASANTPUR	BHIMNAGAR	BHIMNAGAR	2.40 to 2.80	1	9470053050
43	SURESH PRASAD THAKUR	41-55	Male	SUPAUL	BASANTPUR	BHIMNAGAR	BHIMNAGAR	2.40 to 2.80	1	9471474319



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44	SATYANARAYAN SAH	56 -70	Male	SUPAUL	BASANTPUR	BHIMNAGAR	BHIMNAGAR	2.5	1	9955071854
45	RAMVILAAS SAAH	25-40	Male	SUPAUL	BASANTPUR	BHIMNAGAR	BHIMNAGAR	2.5	1	8757044844
46	SATAYENDRA THAKUR	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	NONPAAR	24.75	1	7543012553
47		41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	NONPAAR	24.75	1	8521449485
48	UMESH KUMAR	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	NONPAAR	24.75	1	9631135746
49	MOHAMMAD DOMI	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	NONPAAR	24.75	1	9771997102
50	PRAKASH KUMAR	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	NONPAAR	24.75	1	70506662140
51	NARESH KUMAR RAI	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	NONPAAR	24.75	1	8229049871
52	RAGHUVIR MANDAL	41-55	Male	SUPAUL	BASANTPUR	BHAGWANPUR	RANIGANJ	2.8	1	9199093344
53	UPENDRA YADAV	25-40	Male	SUPAUL	BASANTPUR	BHAGWANPUR	RANIGANJ	3.35	1	9546044071
54	RAJKUMAR MANDAL	25-40	Male	SUPAUL	BASANTPUR	BHAGWANPUR	RANIGANJ	2.4	1	9546952257
55	SHYAM MANDAL	25-40	Male	SUPAUL	BASANTPUR	BHAGWANPUR	RANIGANJ	3.35	1	8969044433
56	JITENDER KUMAR MANDAL	<25	Male	SUPAUL	BASANTPUR	BHAGWANPUR	RANIGANJ	2.8	1	8521468613
57	PAWAN MANDAL	<25	Male	SUPAUL	BASANTPUR	BHAGWANPUR	RANIGANJ	2.8	1	8294822231
58	LAXMI DEVI	25-40	Female	SUPAUL	BHAPTIYAH	BHAPTIYAH	KALYANPUR	28/0	1	7521593248
59	DEVNANDAN MEHTA	41-55	Male	SUPAUL	BHAPTIYAH	BHAPTIYAH	KALYANPUR	28/20	1	7564942629
60	KRISHAN KUMAR MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	KALYANPUR	28/20	1	9199595982
61	RABIDRA YADAV	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	KALYANPUR	28/20	1	9939487049/957 0722601
62	RAMESWAR MEHTA	56 -70	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	KALYANPUR	28/20	1	9525131560



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63	DEVNARAYAN MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	BAISA	25.14	1	9801111187
64	RAMSWAROOP MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	BAISA	25.14	1	7070663932
65	CHANDESWAR THAKUR	41-55	Male	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	8226953717
66	MD KAPIR	56 -70	Male	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	7739490919
67	RANJU DEVI	25-40	Female	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	8149476923
68	LUMAN KUMAR	<25	Male	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	8271741673
69	PUNITA DEVI	25-40	Female	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	9801517434
70	DAYA SHANKAR MAIDAL	25-40	Male	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	9470290280
71	SUNIL KUMAR	<25	Male	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	8579914613
72	MITHILESH KUMAR SHARMA	<25	Male	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	8406971521
73	SHAMBHU SHARMA MUKHIA	25-40	Male	SUPAUL	SUPAUL	BAKAUR	BAKAUR	72	1	9570578957
74	CHANDAN YADAV	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BAJANTOLI	68.25	1	7808430152
75	SITARAM BADA	56 -70	Male	SUPAUL	SUPAUL	BASBIHI	BAJANTOLI	68.25	1	9534665352
76	VINOD YADAV	<25	Male	SUPAUL	SUPAUL	BASBIHI	BAJANTOLI	68	1	9709554025
77	PRABHU RAO	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BAJANTOLI	68	1	8860546056
78	BIDESHVAR YADAV	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BAJANTOLI	68	1	7352142520
79	RAM CHANDRA YADAV	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BAJANTOLI	65	1	9472200211
80	RAMDEV BARAHI	41-55	Male	SUPAUL	SUPAUL	BASBIHI	BAJANTOLI	65	1	9570576967
81	KUSUM LAL YADAV	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BAJANTOLI	65	1	9939751953
82	HIRA DEVI	25-40	Female	SUPAUL	SUPAUL	BASBIHI	BASUA	68	1	9534714091
83	DEV NARAYAN SHAH	56 -70	Male	SUPAUL	SUPAUL	BASBIHI	BASUA	68	1	8544057848



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84	HAZARI BAAG	56 -70	Female	SUPAUL	SUPAUL	BASBIHI	BASUA	67	1	9570504875
85	RAM LOCHAN SHAH	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BASUA	68.25	1	9430942113
86	KARTIK PRASAD GUPTA	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BASUA	68.25	1	9430583094
87	RANJIT GUPTA Aranjit gupta	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BASUA	68	1	8051340687
88	KAMESAVER SSAT	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BASUA	68.25	1	8227894894
89	JITENDR KUMAR BADAII	<25	Male	SUPAUL	SUPAUL	BASBIHI	BASUA	68	1	9708703938
90	RAJENDRA SHAH	25-40	Male	SUPAUL	SUPAUL	BASBIHI	BASUA	68	1	7549452314
91	MADHAV SHAH	<25	Male	SUPAUL	SUPAUL	BASBIHI	BASUA	68	1	8051605787
92	LOLESHWAR YADAV	<25	Male	SUPAUL	SUPAUL	RAMPUR PATTI	RAMPURANWA D	66.67	1	8986124797
93	NARAYAN YADAV	25-40	Male	SUPAUL	SUPAUL	RAMPUR PATTI	RAMPURANWA D	66.67	1	7631290646
94	RANJIT KUMAR	<25	Male	SUPAUL	SUPAUL	RAMPUR PATTI	RAMPURANWA D	67	1	8877542148
95	HARIVATLAM YADAV	41-55	Male	SUPAUL	SUPAUL	RAMPUR PATTI	RAMPURANWA D	67	1	7631221170
96	SUBODH KUMAR PANDIT	25-40	Male	SUPAUL	SUPAUL	RAMPUR PATTI	RAMPURANWA D	67	1	9534849859
97	SURESH KUMAR PANDIT	25-40	Male	SUPAUL	SUPAUL	RAMPUR PATTI	RAMPURANWA D	67	1	9472363253
98	ASHARFI SAAV	56 -70	Male	SUPAUL	SUPAUL	RAMPUR PATTI	RAMPURANWA D	66	1	7549500381
99	CHANDAN KUMAR	<25	Male	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	68.25	1	9534450304
100	MAHENDRA PRASAD SHAH	25-40	Male	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	66.67	1	9430858076
101	RAJENDRA MANDAL	56 -70	Male	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	66.67	1	9801517763
102	JAI PRAKASH KUMAR	<25	Male	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	68.25	1	8877277857
103	KANHAIYA KUMAR	25-40	Male	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	66.67	1	9470211990



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	CHAUDHARY									
104	MOHAMMAD SAMIR	25-40	Male	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	66.67	1	9570925121
105	MOHAMMAD RAJJAK	<25	Male	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	66.67	1	9431698129
106	BIBI SABRUN KHATUN	<25	Female	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	66.67	1	8676095936
107	SITAVNI KHATUN	41-55	Female	SUPAUL	SUPAUL	RAMPUR PATTI	NEMUA	66.67	1	9661026199
108	DASHRAT YADAV	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	SADANANDPUR	28	1	9801072522
109	VIMAL KUMAR	<25	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	SADANANDPUR	28	1	8873137068
110	DILIP KUMAR	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	SADANANDPUR	28	1	9431247564
111	JWALA YADAV	56 -70	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	SADANANDPUR	28	1	8002190381
112	RAJIV KUMAR YADAV	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	SADANANDPUR	28	1	7250125035
113	GIRIDHAR YADAV	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	SADANANDPUR	28	1	9576391757
114	PAPPU KUMAR	<25	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	SADANANDPUR	28	1	7563846227
115	FOOL KUMARI DEVI	25-40	Female	SUPAUL	SARAIGADH	JHEELA DUMRI	SADANANDPUR	28	1	9939265531
116	URMILA DEVI	41-55	Female	SUPAUL	SUPAUL	BERIA	BERIA	59	1	9102241267
117	LAESHWAR PANDIT	25-40	Male	SUPAUL	SUPAUL	BERIA	BERIA	58	1	9534428628
118	RAM ROOP MISTRI	56 -70	Male	SUPAUL	SUPAUL	BERIA MANCH	BERIA	58	1	9097268674
119	GITA DEVI	41-55	Female	SUPAUL	SUPAUL	BERIA	BERIA	59	1	9570722306
120	VISHNUDEV KUMAR	<25	Male	SUPAUL	SUPAUL	BERIA	BERIA	59	1	8298690748
121	NAVAL KISHORE SINGH	41-55	Male	SUPAUL	SUPAUL	BERIA	BERIA MANCH	58.86	1	8229816849
122	RAJ KUMAR RAM	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	VISHANPUR	28	1	9661375839
123	VIDHAYANAND PRASAD SHAH	41-55	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	VISHANPUR	28	1	9708590162
124	MANOJ KUMAR MEHTA	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	VISHANPUR	28	1	9931224223



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125	VISHNUDEV SHARMA	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	VISHANPUR	28	1	8809587131
126	LALIT KUMAR PASWAN	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	VISHANPUR	28	1	8873463688
127	RAMNATH KUMAR SHARMA	<25	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	VISHANPUR	28	1	9931095534
128	KANHAIYA KUMAR	<25	Male	SUPAUL	SUPAUL	BERIA	BERIA MANCH	59	1	7070677001
129	KUSHEKHAR MEHTA	56 -70	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	GADIA	32.33 KM	1	8406061497
130	DEVAS YADAV	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	GADIA	32.33 KM	1	9534275575
131	SANTOSH RAM	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	GADIA	32.33 KM	1	9534922688
132	RADHESHYAM PASWAN	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	GADIA	32.33 KM	1	9955056623
133	SIYARAM YADAV	56 -70	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	GADIA	32.38 KM	1	9931153333
134	PARMANAND YADAV	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	GADIA	32.33 KM	1	7078476950
135	LALIT KUMAR MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	GADIA	32.33 KM	1	88772444800
136	MOHAMMAD NAVAJUL	56 -70	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	GADIA	32.33 KM	1	9572445768
137	PHULO DEVI	25-40	Female	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	BHAPTIYARI	29 KM	1	8651226757
138	BUDNI DEVI	41-55	Female	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	BHAPTIYARI	29 KM	1	8298887448
139	HRIDAY MANDAL	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	BHAPTIYARI	29 KM	1	8051313086
140	LALITA DEVI	25-40	Female	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	BHAPTIYARI	30 KM	1	8404878400
141	SURYA NARAYAN MEHTA	56 -70	Male	SUPAUL	BHAPTIYAH	BHAPTIYAH	BHAPTIYARI	29 KM	1	9546823087
142	VINDESHWAN MEHTA	56 -70	Male	SUPAUL	SARAIGADH	BHAPTIYAH	BHAPTIYARI	30 KM	1	9199286360



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					BHAPTIYAH					
143	PRAVIN KUMAR SAHU	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	BHAPTIYARI	29 KM	1	9534405572
144	RAM NARAYAN SHAH	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	BHAPTIYAH	BHAPTIYARI	29 KM	1	9534413450
145	LAXMI SHARMA	56 -70	Male	SUPAUL	BASANTPUR	SATANPATTI	DHADHA	12.87 KM	1	7091993646
146	HARI LAL CHAUPAL	41-55	Male	SUPAUL	BASANTPUR	SATANPATTI	DHADHA	12.87 KM	1	7070941082
147	PAWAN RAM	<25	Male	SUPAUL	BASANTPUR	SATANPATTI	DHADHA	16.98 KM	1	707974130
148	VIKAN CHAUPAL	56 -70	Male	SUPAUL	BASANTPUR	SATANPATTI	DHADHA	12.87 KM	1	9431488077
149	MUKESH KUMAR SINGH	25-40	Male	SUPAUL	BASANTPUR	SATANPATTI	DHADHA	11.70 KM	1	9431263811
150	INDRANARAYAN YADAV	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	KODLI	21.95 KM	1	9199920477
151	SARYUG PRASAD	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	KODLI	20.70 KM	1	7765856573
152	KINU SHAH	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	KODLI	20.50 KM	1	9504084683
153	RAJESH KUMAR	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	LAUKAHA KODLI	20.70 KM	1	9771237207
154	DEV NARAYAN YADAV	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	KODLI	20.70 KM	1	8757478640
155	PANCH DEV SHAH	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	KODLI	20.70 KM	1	7033752289
156	JALDHARI MEHTA	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	LAUKAHA	VAISA	25.14 KM	1	9199153168
157	PANKAJ KUMAR MEHTA	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	DHENA	9 KM	1	9471689473
158	SURAJ THAKUR	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	DHENA	9 KM	1	9779013582
159	KUNTI DEVI	25-40	Female	SUPAUL	BASANTPUR	RATANPUR	DHENA	9 KM	1	9162511766



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160	GUDIA DEVI	41-55	Female	SUPAUL	BASANTPUR	RATANPUR	DHENA	9 KM	1	9470482449
161	VINDESHWARI THAKUR	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	DHENA	9 KM	1	9472540753
162	UMESH PASWAN	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	DHENA	9 KM	1	8809203613
163	RAM KUMAR MEHTA	41-55	Male	SUPAUL	BASANTPUR	RATANPUR	DHENA	9 KM	1	8292345443
164	MANOJ KUMAR	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	DHENA	9 KM	1	8084274511
165	SHRIDHAR JHA	41-55	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	8677901152
166	BHOLA PRASAD YADAV	25-40	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9472036438
167	MANOJ KUMAR JHA	25-40	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9801124719
168	VIJAY KUMAR YADAV	<25	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	8521877504
169	JAWAHAR SHAH	56 -70	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	8791836318
170	VISHNUDEV YADAV	41-55	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9471410751
171	NIRMALA DEVI	41-55	Female	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9430962085
172	SUBODH KUMAR SINGH	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	8292022984
173	PHOOL CHAND SADA	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	9572800327
174	VIRENDRA RAM	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	7091941184
175	LAXMI RAM	41-55	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	7739975797
176	SATISH PRASAD SINGH	41-55	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	9472209300
177	LALITESHWAR SINGH	56 -70	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	9430886900



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178	TRIVENI SINGH	56 -70	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	9430522680
179	RAM NARESH SINGH	56 -70	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	9470212436
180	BALENDRA SINGH	56 -70	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	9431641908
181	ARUN KUMAR SINGH	41-55	Male	SUPAUL	BASANTPUR	RATANPUR	BAIDNAPADA	11.70 KM	1	8521660181
182	RADHE SHYAM MUKHIA	<25	Male	SUPAUL	BASANTPUR	BHAGWANPUR	MADHURA	5.30 KM	1	8084274519
183	NITI KUMARI	<25	Female	SUPAUL	BASANTPUR	BHAGWANPUR	MADHURA	5.30 KM	1	9631846216
184	LALAN KUMAR THAKUR	25-40	Male	SUPAUL	BASANTPUR	BHAGWANPUR	MADHURA	5.70 KM	1	7739617717
185	BHUSHAN KUMAR	<25	Male	SUPAUL	BASANTPUR	BHAGWANPUR	PANCHPARIA	7 KM	1	7543010528
186	RAM NARAYAN YADAV	41-55	Male	SUPAUL	BASANTPUR	BHAGWANPUR	PANCHPARIA	7 KM	1	8969433470
187	VINOD MEHTA	25-40	Male	SUPAUL	BASANTPUR	BHAGWANPUR	PANCHPARIA	7 KM	1	9162017053
188	SAGAR KUMAR	<25	Male	SUPAUL	BASANTPUR	BHAGWANPUR	PANCHPARIA	6.94 KM	1	9006539349
189	PAWAN KUMAR YADAV	25-40	Male	SUPAUL	BASANTPUR	BHAGWANPUR	PANCHPARIA	6.94 KM	1	8521802006
190	SURYA NARAYAN MEHTA	25-40	Male	SUPAUL	SARAIGADH	JHEELA DUMRI	VISHANPUR	28 KM	1	8757893342
191	DINESH THAKUR	<25	Male	SUPAUL	BASANTPUR	RATANPUR	PIPRAHI	10.35 KM	1	9472681649
192	RAJKUMAR SADA	<25	Male	SUPAUL	BASANTPUR	RATANPUR	PIPRAHI	10.35 KM	1	8084565257
193	SATYA DEVI	25-40	Female	SUPAUL	BASANTPUR	RATANPUR	PIPRAHI	10 KM	1	8544297526
194	KAMLU SADA	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	PIPRAHI	10.35 KM	1	9128550709
195	DHRUV SADA	<25	Male	SUPAUL	BASANTPUR	RATANPUR	PIPRAHI	10.35 KM	1	9006859779



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196	RAVINDRA SADA	25-40	Male	SUPAUL	BASANTPUR	RATANPUR	PIPRAHI	10.35 KM	1	9572093967
197	PARO DEVI	25-40	Female	SUPAUL	BASANTPUR	RATANPUR	PIPRAHI	10.35 KM	1	8292413824
198	CHANDESHWARI PRASAD	41-55	Male	SUPAUL	BASANTPUR	RATANPUR	PIPRAHI	11.35 KM	1	9472037615
199	SHRAVAN KUMAR	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	CHITHI HANUMAN NAGAR	SIMRI	22-24 KM	1	8002502615
200	SITARAM MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	CHITHI HANUMAN NAGAR	SIMRI	23 KM	1	7739426742
201	VISHWANATH MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	CHITHI HANUMAN NAGAR	SIMRI	22.23 KM	1	8084429693
202	RAMESH KUMAR YADAV	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	SIMRI	CHITTI	22 KM	1	9572335379
203	RAMDEV YADAV	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	SIMRI	CHITTI	22 KM	1	9835727723
204	GOVIND KUMAR YADAV	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	SIMRI	CHETAHI	21 KM	1	8809463800
205	RAMNARAYAN MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	SIMRI	CHETAHI	22.7 KM	1	9572440902
206	PRABHU KUMAR MEHTA	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	CHITHI HANUMAN NAGAR	SIMRI	23 KM	1	9661501813
207	JAGO SHARMA	56 -70	Male	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	19 KM	1	8757346634
208	LAXMI SHARMA	56 -70	Male	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	19 KM	1	9199764148
209	SITA DEVI	41-55	Female	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	19 KM	1	707960330
210	FOOL KUMARI DEVI	<25	Female	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	19 KM	1	7779944483
211	RAMESHWAR THAKUR	41-55	Male	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	19 KM	1	9939972426
212	MOHAMMAD PARVEZ	25-40	Male	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	19 KM	1	7091548818



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213	SANTOSH KUMAR THAKUR	<25	Male	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	27 KM	1	9661106233
214	MOHAMMAD KAMRUDDIN	25-40	Male	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	18.27 KM	1	9973526638
215	UMESH THAKUR	25-40	Male	SUPAUL	NIRMALI	KAMALPUR	RUPOLI PUNRWAS	19 KM	1	7764094595
216	JAGDISH MEHTA	41-55	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9431819105
217	BABLU KUMAR	25-40	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9199470320
218	MOHAMMAD KAMRUDDIN	41-55	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	887335645
219	SURYA NARAYAN SHAH	56 -70	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9470439898
220	MOHAMMAD HASRAT	25-40	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	7567872377
221	MRITYUNJAY KUMAR JHA	25-40	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9661039117
222	SATYANARAYAN SHAH	56 -70	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9801043275
223	VIRENDRA PRASAD	25-40	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	8809302529
224	SHIVNANDAN PASWAN	25-40	Male	SUPAUL	BASANTPUR	SATANPATTI	LALANPATTI	16.98 KM	1	9771282924
225	ANANDI MANDAL	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	SHAHAPUR PRITHIPATTI	NAVIPUR	22 KM	1	8877556703
226	UPENDER MANDAL	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	SHAHAPUR PRITHVIPATTI	NAVIPUR	22 KM	1	9931987301
227	AALOK KUMAR	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	SHAHAPUR PRITHVIPATTI	NAVIPUR	22 KM	1	9470601366
228	VIDYANANAD	<25	Male	SUPAUL	SARAIGADH BHAPTIYAH	SHAHAPUR PRITHVIPATTI	NAVIPUR	22 KM	1	7033799203
229	MAHENDER PRSAAD MANDAL	41-55	Male	SUPAUL	SARAIGADH BHAPTIYAH	SHAHAPUR PRITHVIPATTI	NAVIPUR	22 KM	1	8292508334



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230	LALITA DEVI	25-40	Female	SUPAUL	SARAIGADH BHAPTIYAH	SHAHAPUR PRITHVIPATTI	NAVIPUR	22 KM	1	8877556703
231	LAKSHMI MANDAL	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	SHAHAPUR PRITHVIPATTI	NAVIPUR	22 KM	1	9546598331
232	SUNIL KUMAR MANDEL	25-40	Male	SUPAUL	SARAIGADH BHAPTIYAH	SHAHAPUR PRITHVIPATTI	NAVIPUR	22 KM	1	9006017379
233	LALIT JHA	41-55	Male	SUPAUL	BASANTPUR	BHAGWANPUR	SHIVNAGAR	4-5 KM	1	9572467716
234	SHAMBHU JHA	41-55	Male	SUPAUL	VEERPUR	BHAGWANPUR	SHIVNAGAR	4.20 KM	1	9973554428
235	UMESH KUMAR MANDAL	<25	Male	SUPAUL	BASANTPUR	BHAGWANPUR	SHIVNAGAR	4 KM	1	9931262224
236	SATYANARAYAN YADAV	41-55	Male	SUPAUL	BASANTPUR	BHAGWANPUR	SHIVNAGAR	5 KM	1	7352392415
237	RAJKUMAR YADAV	41-55	Male	SUPAUL	BASANTPUR	BHAGWANPUR	SHIVNAGAR	4 KM	1	943098722
238	SANTOSH JHA	41-55	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	9470227399
239	PINKU THAKUR	25-40	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	7654204703
240	AMOD CHAUDHARY	41-55	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	9472254065
241	DEEPAK CHAUDHARY	25-40	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	9472129276
242	NIRMALA DEVI	41-55	Female	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	8987348184
243	MURARI JHA	25-40	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	9472526131
244	NEERAJ CHAUDHARY	25-40	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	9570045050
245	AJAY MISHRA	25-40	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	9771378089
246	SUMIT KUMAR	25-40	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	9472027399
247	UDAY KANT JHA	41-55	Male	SUPAUL	SUPAUL	BERIA	MALHAD	58	1	8987348184
248	DOMI PASWAN	41-55	Male	SUPAUL	NIRMALI	DAGMARA	DAGMARA	21 KM	2	7761858194
249	DEVENDRA PASWAN	41-55	Male	SUPAUL	NIRMALI	DAGMARA	DAGMARA	12-13 KM	2	9546563222
250	AMIT KUMAR YADAV	<25	Male	SUPAUL	NIRMALI	DAGMARA	DUDHAILA	12-13	2	8969282799



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								KM		
251	SURENDRA KUMAR YADAV	<25	Male	SUPAUL	NIRMALI	DAGMARA	DUDHAILA	12-13 KM	2	8757556832
252	SANJAY RAM	25-40	Male	SUPAUL	NIRMALI	DAGMARA	DUDHAILA	12-13 KM	2	7033846398
253	DINESH KUMAR MANDAL	25-40	Male	SUPAUL	NIRMALI	DAGMARA	DUDHAILA	12 KM	2	8229815763
254	MAHANAND RAM	25-40	Male	SUPAUL	NIRMALI	DAGMARA	DUDHAILA	12 KM	2	7781818219
255	SUNITA DEVI	<25	Female	SUPAUL	NIRMALI	DAGMARA	DUDHAILA	12-13 KM	2	9608985120
256	VIMAL KUMAR SHAH	25-40	Male	SUPAUL	NIRMALI	DAGMARA	DUDHAILA	12-13 KM	2	9934413863
257	PARMESHWAR SHAH	56 -70	Male	SUPAUL	NIRMALI	DAGMARA	DUDHAILA	12-13 KM	2	9546339116
258	DEV KUMAR MUKHIA	25-40	Male	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI		2	9546245187
259	KAUSHALYA DEVI	41-55	Female	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI	8-80 KM	2	9470670109
260	RAMKHELAVAN SHAH	41-55	Male	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI		2	9006456509
261	SUNIL KUMAR SHAH ³⁴	41-55	Male	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI	8-80 KM	2	9162503584
262	MUNNI DEVI	<25	Female	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI		2	8294489865
263	SATISH KUMAR MUKHIA	<25	Male	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI	8-80 KM	2	9934365514
264	REKHA DEVI	25-40	Female	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI	8-80 KM	2	8292581254
265	RAM PRASAD PANDIT	41-55	Male	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI	8-80 KM	2	8969314072
266	RAJKUMAR MUKHIA	25-40	Male	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI	8-80 KM	2	7033302153
267	DIPAK LAL MUKHIA	25-40	Male	SUPAUL	NIRMALI	DAGNARA	LALMANPATTI		2	8969105028



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268	ABHAY LAL CHAUPAL	56 -70	Male	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA	20 KM	2	7654647591
269	RAMJI SINGH	41-55	Male	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA	20 KM	2	7739477353
270	VASUDEV MUKHIA	41-55	Male	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA	20 KM	2	7079683253
271	HIRALAL SINGH	41-55	Male	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA		2	9570598595
272	ARSHAFI YADAV	41-55	Male	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA		2	7070677219
273	RAMDEV RAI	25-40	Male	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA	14 KM	2	9931270106
274	RAM LAKHAN SHAH	41-55	Male	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA		2	9608311032
275	BALRAM PRASAD SHAH	41-55	Male	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA		2	9939035410
276	ANITA DEVI	41-55	Female	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA		2	9931266286
277	SITA DEVI	25-40	Female	SUPAUL	NIRMALI	DHIDHIA	DHIDHIA		2	9771724562
278	RAJ NARAYAN	25-40	Male	SUPAUL	NIRMALI	DAGNARA	NAYA TOLA SIKARITA	24.5 KM	2	8084911723
279	SHIVNANDAN RAO	41-55	Male	SUPAUL	NIRMALI	DAGNARA	NAYA TOLA SIKARITA	24.5 KM	2	9771906967
280	RAJKUMAR MANDAL	41-55	Male	SUPAUL	NIRMALI	DAGNARA	NAYA TOLA SIKARITA	24.5 KM	2	8102337433
281	SANJAY KUMAR MANDAL	<25	Male	SUPAUL	NIRMALI	DAGNARA	NAYA TOLA SIKARITA	24.5 KM	2	8757120864
282	MAHENDRA MANDAL	41-55	Male	SUPAUL	NIRMALI	DAGNARA	NAYA TOLA SIKARITA	21.28 KM	2	7091066631
283	HARERAM RAO	25-40	Male	SUPAUL	NIRMALI	DAGNARA	NAYA TOLA SIKARITA		2	9931361207
284	PARMESHWAR SHAH	<25	Male	SUPAUL	NIRMALI	DAGNARA	NAYA TOLA SIKARITA		2	9199712245
285	MAHESHWAR SHAH	41-55	Male	SUPAUL	NIRMALI	DAGNARA	NAYA TOLA SIKARITA		2	9631410840
286	DINESH KAMAT	<25	Male	SUPAUL	NIRMALI	DAGNARA	DAGNARA		2	9631330464
287	DEVNARAYAN MEHTA	41-55	Male	SUPAUL	NIRMALI	DAGNARA	DAGNARA	21 KM	2	7070772352



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288	OM PRAKASH KAMAT	<25	Male	SUPAUL	NIRMALI	DAGNARA	DAGNARA	22 KM	2	7755982459
289	JIYA LAL KAMAT	56 -70	Male	SUPAUL	NIRMALI	DAGNARA	DAGNARA	22 KM	2	8969287723
290	RADHA DEVI	25-40	Female	SUPAUL	NIRMALI	DAGNARA	DAGNARA	22 KM	2	9969009835
291	DEEPAK KUMAR MEHTA	<25	Male	SUPAUL	NIRMALI	DAGNARA	DAGNARA	21 KM	2	8002774005
292	SADANAND MEHTA	25-40	Male	SUPAUL	NIRMALI	DAGNARA	DAGNARA	21 KM	2	7091066848

CONTACT NUMBERS OF RESPONDENTS FROM DARBHANGA DISTRICT:

Sl. NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
1	NATHUNI RAI	41-55	Male	DARBHANGA	TARDIDU	THENGDA	THENGDA	64 KM	1	8298712471
2	KAMAL KANT JHA	56 -70	Male	DARBHANGA	TARDIDU	THENGDA	THENGDA	64 KM	2	9939043567
3	JAGDISH RAM	56 -70	Male	DARBHANGA	TARDIDU	THENGDA	THENGDA	64 KM	2	8298895398
4	PANKAJ KUMAR JHA	25-40	Male	DARBHANGA	TARDIDU	THENGDA	THENGDA	64 KM	2	9939043567
5	BABY JHA	25-40	Female	DARBHANGA	TARDIDU	THENGDA	THENGDA	64 KM	2	9661046895
6	SAURAV KUMAR JHA	25-40	Male	DARBHANGA	TARDIDU	THENGDA	THENGDA	64 KM	2	9334064771
7	PARITOSH KUMAR JHA	41-55	Male	DARBHANGA	TARDIDU	THENGDA	THENGDA	64 KM	2	7545070664
8	ROHIT KUMAR MUKHIA	<25	Male	DARBHANGA	TARDIDU	THENGDA	DEVNA	60 KM	2	8651247706
9	MUKESH KUMAR JHA	<25	Male	DARBHANGA	TARDIDU	THENGDA	DEVNA	60 KM	2	7352797903
10	KAMALKANT YADAV	25-40	Male	DARBHANGA	TARDIDU	THENGDA	DEVNA	60 KM	2	9162935746



Sl. NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
11	PULKIT MUKHIA	41-55	Male	DARBHANGA	TARDIDU	THENGDA	DEVNA	60 KM	2	8521910986
12	PRAKASH KUMAR YADAV	41-55	Male	DARBHANGA	TARDIDU	THENGDA	DEVNA	60 KM	2	7549941652
13	RANJAY KUMAR MUKHIA	<25	Male	DARBHANGA	TARDIDU	THENGDA	DEVNA	60 KM	2	8521910986
14	VIJAY KUMAR SAHU	25-40	Male	DARBHANGA	TADI	RAJA KHADWADAR	SUTDRIYA	59 KM	2	8002615934
15	SEVAK SAAV	25-40	Male	DARBHANGA	TADI	RAJA KHADWADAR	SUTDRIYA	59 KM	2	9576355888
16	SHANKAR SAHU	25-40	Male	DARBHANGA	TADI	RAJA KHADWADAR	SUTDRIYA	59 KM	2	8651213356
17	SHAMBHU MANDAL	41-55	Male	DARBHANGA	TADI	RAJA KHADWADAR	SUTDRIYA	59 KM	2	9534906391
18	RAJESH KUMAR SHAH	56 -70	Male	DARBHANGA	TADI	RAJA KHADWADAR	SUTDRIYA	59 KM	2	7631303660
19	SITA SAHU	41-55	Male	DARBHANGA	TADI	RAJA KHADWADAR	SUTDRIYA	59 KM	2	8294492960
20	MADAN SHAH	41-55	Male	DARBHANGA	TARDIDU	RAJA KHADWADAR	SUTDRIYA	56 KM	2	8877545793
21	PAPPU SAHAI	25-40	Male	DARBHANGA	TARDIDU	RAJA KHADWADAR	SUTDRIYA	59 KM	2	88777545793
22	UPENDRA NARAYAN JHA	56 -70	Male	DARBHANGA	GOYRA	ADHARAPUR	BATH	80 KM	2	9973488031
23	KASHI KANDRA PASWAN	25-40	Male	DARBHANGA	GOYRA	ADHARAPUR	BATH	80 KM	2	9006103364
24	DURGA KUMAR PASWAN	<25	Male	DARBHANGA	BIROL	GORA BORAM	BATH	80 KM	2	9135526981
25	MITHLESH PASWAN	25-40	Male	DARBHANGA	BIROL	GORA BORAM	BATH	80 KM	2	9661420503
26	CHANDRASHEKHAR PASWAN	<25	Male	DARBHANGA	BIROL	ADHARAPUR	BATH	80 KM	2	9602847929
27	AARTI DEVI	25-40	Female	DARBHANGA	BIROL	GORA BORAM	BATH	80 KM	2	9135526981
28	DILIP KUMAR MANDAL	25-40	Male	DARBHANGA	GAURABORAI	ADHARPUR	MANSARA	78	2	9199807536
29	AMOD KUMAR	<25	Male	DARBHANGA	GAURABORAI	ADHARPUR	MANSARA	78	2	8440904081
30	SHRAVAN KUMAR MANDAL	41-55	Male	DARBHANGA	GAURABORAI	ADHARPUR	MANSARA	78	2	9572397709
31	JAGDISH MANDAL	56 -70	Male	DARBHANGA	GAURABORAI	ADHARPUR	MANSARA	78	2	67782009892



Sl. NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
32	UPENDRA MANDAL	56 -70	Male	DARBHANGA	GAURABORAI	ADHARPUR	MANSARA	78	2	8051379849
33	TRIPIT NARAIN MANDAL	56 -70	Male	DARBHANGA	GAURABORAI	ADHARPUR	MANSARA	78	2	8294367613
34	RAJENDER MANDAL	56 -70	Male	DARBHANGA	GAURABORAI	ADHARPUR	MANSARA	78	2	9661905038
35	RAM PRISHAN MEHTO	41-55	Male	DARBHANGA	GAURABORAI	ADHARPUR	MANSARA	78	2	8084767665
36	SURESH CHOPAL	25-40	Male	DARBHANGA	GHANSHYAM PUR	INNAYATPUR	INNAYATPUR	72	2	8877952303
37	VIJAY THAKUR	25-40	Male	DARBHANGA	GHANSHYAM PUR	INNAYATPUR	INNAYATPUR	72	1	8969513412
38	BABLU CHOPAL	<25	Male	DARBHANGA	GHANSHYAM PUR	INNAYATPUR	INNAYATPUR	70	2	9601581201
39	AARUN KAMATI	25-40	Male	DARBHANGA	GHANSHYAM PUR	INNAYATPUR	INNAYATPUR	70	2	9199311925
40	BADRI NARAYAN THAKUR	41-55	Male	DARBHANGA	GHANSHYAM PUR	BUDHE INAYATPUR	BUDHE INAYATPUR	70	2	9504741804
41	JITENDER KAMTI	<25	Male	DARBHANGA	GHANSHYAM PUR	BUDHE INAYATPUR	BUDHE INAYATPUR	70	2	9892586923
42	LAMESH KUMAR	<25	Male	DARBHANGA	GHANSHYAM PUR	BUDHE INAYATPUR	BUDHE INAYATPUR	70	2	8521958206
43	RAJA SHARMA	<25	Male	DARBHANGA	GHANSHYAM PUR	BUDHE INAYATPUR	KYMHAROL	71	1	7352780171
44	NUNU RAM	25-40	Male	DARBHANGA	GHANSHYAM PUR	BUDHE INAYATPUR	KYMHAROL	71	2	9559074610
45	SHOHAN YADAV	<25	Male	DARBHANGA	GHANSHYAM PUR	INAYATPUR	KUMSHOOL	72	1	8873386552
46	UDAY KUMAR YADAV	<25	Male	DARBHANGA	GHANSHYAM PUR	VADEV INYATPUR	KUMHOOL	72	2	8227975940
47	SANJAY KUMAR YADAV	<25	Male	DARBHANGA	GHANSHYAM PUR	VADEV INYATPUR	KUMHOOL	72	2	7564993612
48	SHYAM SUNDAR SHARMA	41-55	Male	DARBHANGA	GHANSHYAM PUR	VADEV INYATPUR	KUMHOOL	72,73	2	9835214233
49	VIPIN JHA	25-40	Male	DARBHANGA	FIRATH PUR	RASYARI	RASYARI	73	1	9973861308
50	SHARVAN KUMAR JHA	41-55	Male	DARBHANGA	FIRATH PUR	RASYARI	RASYARI	73	1	8292430133
51	PASHUPATI MISHRA	41-55	Male	DARBHANGA	FIRATH PUR	RASYARI	RASYARI	73	1	7070773570



Sl. NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
							(POONI)			
52	SANJAY KUMAR JHA	41-55	Male	DARBHANGA	FIRATH PUR	RASYARI	RASYARI (POONI)	73	1	7070773571
53	DILIP KUMAR JHA	25-40	Male	DARBHANGA	FIRATH PUR	RASYARI	RASYARI	73	2	8877498293
54	OM PRAKASH JHA	25-40	Male	DARBHANGA	FIRATH PUR	RASYARI	RASYARI	73	1	8873770285
55	NAND KUMAR JHA	41-55	Male	DARBHANGA	FIRATH PUR	RASYARI	RASYARI	73	1	7631283855
56	ANAND KUMAR JHA	<25	Male	DARBHANGA	KIRATPUR	PAUNI RASIYARI	RASIYARI	73	1	79931713423
57	SUNIL JHA	41-55	Male	DARBHANGA	KIRATPUR	PAUNI RASIYARI	RASIYARI	73	1	8877667699
58	KRISHAN MOHAN THAKUR	41-55	Male	DARBHANGA	KIRATPUR	PAUNI RASIYARI	RASIYARI	73	1	82922130133
59	MOHAMMAD IMAUMIN	41-55	Male	DARBHANGA	GHANSHYAM PUR	BUDEVINAT PUR	AASMA	75 KM	2	96318077
60	MANSHUR ALAM	56 -70	Male	DARBHANGA	GHANSHYAM PUR	BUDEVINAT PUR	AASMA	70 KM	1	9955748498
61	MOHAMMAD KALIM	<25	Male	DARBHANGA	GHANSHYAM PUR	BUDEVINAT PUR	AASMA	70 KM	1	8409420686
62	JAHIR ALAM	25-40	Male	DARBHANGA	GHANSHYAM PUR	BUDEVINAT PUR	AASMA	70 KM	1	9955748498
63	AJIT KUMAR YADAV	25-40	Male	DARBHANGA	GHANSHYAM PUR	BUDEVINAT PUR	AASMA	70 KM	1	9931185839
64	DHARMENDRA KUMAR	<25	Male	DARBHANGA	GHANSHYAM PUR	BUDEVINAT PUR	AASMA	70 KM	1	9525133327
65	MOHAMMAD MAIM	25-40	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	SIMRI	33 KM	2	8102571430
66	MOHAMMAD MAKSOOD	25-40	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	SIMRI	33 KM	2	87696575357
67	MOHAMMAD ABBAS	25-40	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	SIMRI	33 KM	2	8757208882
68	MOHAMMAD MANKHUR	41-55	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	SIMRI	33 KM	2	7696575357
69	MOHAMMAD BATARUDDIN	25-40	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	KIRATHKAR	30-35 KM	2	7070773345
70	NOOR MOHAMMAD	56 -70	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	KIRATHKAR	34-35 KM	2	7765866082



Sl. NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
71	MOHAMMAD NAIMUDDIN	25-40	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	KIRATHKAR	34-35 KM	2	7654206061
72	SHIVNATH YADAV	41-55	Male	DARBHANGA	TIRABHPUR	KUNOL DANGA	TETRI	38 KM	2	8969799357
73	RAM BAHADUR YADAV	56 -70	Male	DARBHANGA	TIRABHPUR	KUNOL DANGA	TETRI	38 KM	2	9801258127
74	RAMSAKAL YADAV	25-40	Male	DARBHANGA	TIRABHPUR	KUNOL DANGA	TETRI	38 KM	2	7739620660
75	DILKHUSH KUMAR	<25	Male	DARBHANGA	TIRABHPUR	KUNOL DANGA	TETRI	38 KM	2	7739858543
76	RAMAN KUMAR SAHU	<25	Male	DARBHANGA	TIRABHPUR	KUNOL DANGA	TETRI	38 KM	2	9199892504
77	KUNDAN KUMAR CHAUDHARY	<25	Male	DARBHANGA	TIRABHPUR	KUNOL DANGA	TETRI	38 KM	2	9006057158
78	SAKILA KHATUN	25-40	Female	DARBHANGA	KIRATHKAR	JAMALPUR	JAMALPUR	40-41 KM	2	875751646
79	KHUSI LAL SHAH	56 -70	Male	DARBHANGA	KIRATHKAR	JAMALPUR	JAMALPUR	40-41 KM	2	9572483566
80	MOHAMMAD TAIYAM	25-40	Male	DARBHANGA	KIRATHKAR	JAMALPUR	JAMALPUR	40-41 KM	2	8002768854
81	ABDUL LAHAV	25-40	Male	DARBHANGA	KIRATHKAR	JAMALPUR	JAMALPUR	40-41 KM	2	8470846425
82	DURGA PRASAD SAHU	41-55	Male	DARBHANGA	KIRATHKAR	JAMALPUR	JAMALPUR	40-41 KM	2	9172677132
83	PRABHUSAV	25-40	Male	DARBHANGA	GHANSHYAM PUR	NARKATIA	BHUGOL	93 KMBGGH	2	7250804690
84	RAMBABU KUMAR	<25	Male	DARBHANGA	GHANSHYAM PUR	NARKATIA	BHUGOL	94 KMBGGH	2	9801332945
85	MOHAMMAD DHATIM RAHMANI	<25	Male	DARBHANGA	GHANSHYAM PUR	NARKATIA	BHUGOL	95 KMBGGH	2	9608630971
86	AVRUN KHATUN	25-40	Female	DARBHANGA	GHANSHYAM PUR	NARKATIA	BHUGOL	96 KMBGGH	2	7654910936
87	CHANDNI KUMARI	<25	Female	DARBHANGA	KIRATHKAR	JHAGRAVA	TARWARA	37 KM	2	9473151241
88	RAM DEV YADAV	56 -70	Male	DARBHANGA	KIRATHKAR	JHAGRAVA	TARWARA	37 KM	2	9661694015
89	UTIM LAL YADAV	25-40	Male	DARBHANGA	KIRATHKAR	TARWARA	TARWARA	36 KM	2	8757275212
90	INDRESHWAR YADAV	41-55	Male	DARBHANGA	KIRATHKAR	TARWARA	TARWARA	36 KM	2	9472190300
91	RAM KUMAR YADAV	41-55	Male	DARBHANGA	KIRATHKAR	TARWARA	TARWARA	36 KM	2	8051518521
92	MAHESHWAR YADAV	56 -70	Male	DARBHANGA	KIRATHKAR	TARWARA	TARWARA	36 KM	2	8521866585
93	AJIT KUMAR	25-40	Male	DARBHANGA	KIRATHKAR	TARWARA	TARWARA	36 KM	2	7762861171



Sl. NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
94	JAWAHAR YADAV	41-55	Male	DARBHANGA	KIRATHKAR	TARWARA	TARWARA	36 KM	2	9931493189
95	MAHENDRA NARAYAN YADAV	56 -70	Male	DARBHANGA	KIRATHKAR	TARWARA	TARWARA	36 KM	2	7759075275
96	BHAGYANARAYAN YADAV	25-40	Male	DARBHANGA	KIRATHKAR	TARWARA	TARWARA	36 KM	2	8969305361
97	MANOJ KUMAR YADAV	<25	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	NIMA	33 KM	2	9798583654
98	SURAJNARAYAN YADAV	41-55	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	NIMA	33 KM	2	9801246012
99	MAHAVIR YADAV	25-40	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	NIMA	30-50 KM	2	8002618006
100	KENDAL DEVI	25-40	Female	DARBHANGA	KIRATHKAR	KIRATHKAR	NIMA	30-50 KM	2	7654437008
101	ASHOK KUMAR YADAV	25-40	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	NIMA	33 KM BGGH	2	7856021360
102	MANOJ YADAV	25-40	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	NIMA	33 KM BGGH	2	8969009335
103	LALKANT YADAV	<25	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	NIMA	33 KM BGGH	2	9939735696
104	YOGENDRA PANDEY	41-55	Male	DARBHANGA	GHANSHYAM PUR	TIRATPUR	NIMA	33 KM	2	8579840825
105	MAHENDRA PANDEY	41-55	Male	DARBHANGA	KIRATHKAR	KIRATHKAR	NIMA	31 KM	2	9771788516



CONTACT NUMBERS OF RESPONDENTS FROM KHAGARIA DISTRICT

S.NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls. tick) Eastern -1 Western-2	Telephone No. of respondent
1	RAMDEV YADAV	56 -70	Male	KHAGARIYA	CHAUTRAM	SEHARSA	DHAMARA GHAT		2	9934454112
2	ARVIND SHAH	41-55	Male	KHAGARIYA	CHAUTRAM	SEHARSA	DHAMARA GHAT		2	8757184024
3	RAMPRAVESH SHAH	41-55	Male	KHAGARIYA	CHAUTRAM	SEHARSA	DHAMARA GHAT		2	8099456624
4	MITHUN DAS	<25	Male	KHAGARIYA	CHAUTRAM	HADDIYA	BADLA GHAT		2	805835478
5	OM KUMAR	25-40	Male	KHAGARIYA	CHAUTRAM	HADDIYA	BADLA GHAT		2	7631405063
6	AJUNI SHAH	25-40	Male	KHAGARIYA	CHAUTRAM	HADDIYA	BADLA GHAT		2	8877732087
7	TRIVENI PASWAN	56 -70	Male	KHAGARIYA	CHAUTRAM	HADDIYA	BADLA GHAT		2	8292135165
8	KAILU PASWAN	41-55	Male	KHAGARIYA	CHAUTRAM	HADDIYA	BADLA GHAT		2	7654273526
9										

CONTACT NUMBERS OF RESPONDENTS FROM MADHUBANI DISTRICT

S.NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls .tick) Eastern -1 Western-2	Telephone No. of respondent
1	BALAN SHAH	25-40	Male	MADHUBANI	MADHEPUR	PRASAD	KHAIRI MUSARI	62 KM	1	9798995495
2	DEVI SHANKAR SADA	<25	Male	MADHUBANI	MADHEPUR	PRASAD	KHAIRI MUSARI	62 KM	1	9570646507
3	SUNITA DEVI	25-40	Female	MADHUBANI	MADHEPUR	PRASAD	KHAIRI MUSARI	62 KM	1	7033336458
4	SEHDEV SADA	25-40	Male	MADHUBANI	MADHEPUR	PRASAD	KHAIRI MUSARI	62 KM	1	8877961528



S.NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls .tick) Eastern -1 Western-2	Telephone No. of respondent
5	SHIV SHANKAR PASWAN	25-40	Male	MADHUBANI	LAKHNOR	MADANPUR	RATOL	52 KM	2	9868688857
6	RAMESH PASWAN	41-55	Male	MADHUBANI	LAKHNOR	MADANPUR	RATOL	52 KM	2	8051002567
7	SAROJ	25-40	Male	MADHUBANI	LAKHNOR	MADANPUR	RATOL	52 KM	2	9471658743
8	DULARCHAND PASWAN	25-40	Male	MADHUBANI	LAKHNOR	MADANPUR	RATOL	52 KM	2	8294594214
9	ADITYA RAI PASWAN	<25	Male	MADHUBANI	LAKHNOR	MADANPUR	RATOL	52 KM	2	9931144261
10	LAKHAN PASWAN	41-55	Male	MADHUBANI	LAKHNOR	MADANPUR	RATOL	52 KM	2	9546605186
11	SHEKH SAVIR	41-55	Male	MADHUBANI	LAKHNOR	MADANPUR	RATOL	52 KM	2	9162479687
12	KAUSHAR JHA	25-40	Female	MADHUBANI	SANSARPUR	NARWAR	NARWAR	46 KM	2	989011655
13	RAM BABU SADAY	<25	Male	MADHUBANI	SANSARPUR	NARWAR	NARWAR	46 KM	2	7763057963
14	KASHI SADAY	<25	Male	MADHUBANI	SANSARPUR	NARWAR	NARWAR	46 KM	2	8809842850
15	RENU KUMAR	25-40	Female	MADHUBANI	SANSARPUR	NARWAR	NARWAR	46 KM	2	9771479150
16	RAMESHWAR MUKHIA	56 -70	Male	MADHUBANI	MADHEPUR	PARVALPUR	DALDAL	66 KM	1	9931632619
17	KAILASH MUKHIA	25-40	Male	MADHUBANI	MADHEPUR	PARVALPUR	DALDAL	66 KM	1	9708792892
18	MOHAMMAD FARUK	56 -70	Male	MADHUBANI	MADHEPUR	PARVALPUR	DALDAL	66 KM	1	9570767184
19	RITA KUMARI	<25	Female	MADHUBANI	MADHEPUR	PARVALPUR	DALDAL	66 KM	1	9709984671
20	SHRAVAN THAKUR	41-55	Male	MADHUBANI	MADHEPUR	PARVALPUR	DALDAL	66 KM	1	7503002891
21	BHOGESHWAR THAKUR	41-55	Male	MADHUBANI	MADHEPUR	PARVALPUR	DALDAL	66 KM	1	9709984671
22	BUCHAI SAH	56 -70	Male	MADHUBANI	MADHEPUR	PARWALPUR	DALDAL	66 KM	1	9931292363
23	DHANIK LAL MEHTO	41-55	Male	MADHUBANI	MADHEPUR	BANKI	KUTI FAITKI	64 KM	1	8298626122
24	VINAY KUMAR	25-40	Male	MADHUBANI	MADHEPUR	BANKI	KUTI FAITKI	64 KM	1	9534372677
25	SURESH MEHTO	25-40	Male	MADHUBANI	MADHEPUR	BANKI	KUTI FAITKI	64 KM	1	9570765956
26	SANJIT KUMAR	<25	Male	MADHUBANI	MADHEPUR	BANKI	KUTI FAITKI	64 KM	1	8406951869
27	RANJIT KUMAR	<25	Male	MADHUBANI	MADHEPUR	BANKI	KUTI FAITKI	64 KM	1	8298626122
28	DEVKANT JHA	25-40	Male	MADHUBANI	MADHEPUR	BANKI	KUTI FAITKI	64 KM	1	9199884717



S.NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls .tick) Eastern -1 Western-2	Telephone No. of respondent
29	RAJ LAL	41-55	Male	MADHUBANI	MADHEPUR	BANKI	KUTI FAITKI	64 KM	1	9709870223
30	SHYAM KUMAR	<25	Male	MADHUBANI	MADHEPUR	PRASAD	KHAIRI	59 KM	1	7033334658
31	RAM NARAYAN YADAV	<25	Male	MADHUBANI	LAKHNOR	BALIA	KHAIRI	59 KM	1	8292671270
32	MAHAVIR YADAV	56 -70	Male	MADHUBANI	LAKHNOR	BALIA	KHAIRI	59 KM	1	8292671270
33	BHARAT SINGH BHARTI	25-40	Male	MADHUBANI	LAKHNOR	BALIA	KHAIRI	59 KM	1	9934418606
34	LAXMAN PRASAD YADAV	41-55	Male	MADHUBANI	LAKHNOR	BALIA	KHAIRI	59 KM	1	9934418606
35	RAJ KUMARI DEVI	25-40	Female	MADHUBANI	LAKHNOR	BALIA	KHAIRI	59 KM	1	9934418606
36	GOVIND MEHTO	41-55	Male	MADHUBANI	LAKHNOR	VIHAT DAKSHIN	PIPRA GHAT	51 KM	1	8051400314
37	RAJ PRASAD	25-40	Male	MADHUBANI	LAKHNOR	VIHAT DAKSHIN	PIPRA GHAT	51 KM	1	9939962122
38	GOPAL KUMAR	25-40	Male	MADHUBANI	MADHEPUR	VIHAT DAKSHIN	PIPRA GHAT	51 KM	1	8051400314
39	SHIVRAM MEHTO	56 -70	Male	MADHUBANI	LAKHNOR	VIHAT DAKSHIN	PIPRA GHAT	51 KM	1	8809085009
40	GANESH SINGH	41-55	Male	MADHUBANI	MADHEPUR	VIHAT	PIPRA GHAT	51 KM	1	9728694976
41	KISHAN KUMAR	<25	Male	MADHUBANI	MADHEPUR	VIHAT	PIPRA GHAT	51 KM	1	9939617466
42	NAVIN KUMAR	<25	Male	MADHUBANI	MADHEPUR	VIHAT	PIPRA GHAT	51 KM	1	9934728072
43	AMAN KUMAR	<25	Male	MADHUBANI	MADHEPUR	VIHAT	PIPRA GHAT	51 KM	1	8228875709
44	SAGAR MEHTO	56 -70	Male	MADHUBANI	MADHEPUR	VIHAT	PIPRA GHAT	51 KM	1	9102540035
45	MUNNA SHAH	<25	Male	MADHUBANI	MADHEPUR	VIHAT	PIPRA GHAT	51 KM	1	9471674771
46	RANJIT KUMAR YADAV	25-40	Male	MADHUBANI	JHUNJHAR PUR	JHUNJHAR PUR	PARTAPUR	42 KM	1	9135382492
47	KUSUM LAL YADAV	56 -70	Male	MADHUBANI	JHUNJHAR PUR	JHUNJHAR PUR	PARTAPUR	42 KM	1	9135382492
48	BHOLA SAHU	56 -70	Male	MADHUBANI	JHUNJHAR PUR	JHUNJHAR PUR	PARTAPUR	42 KM	1	9931292353
49	BINOD KUMAR SHANI	<25	Male	MADHUBANI	JHUNJHAR PUR	JHUNJHAR PUR	PARTAPUR	42 KM	1	8271280340
50		25-40	Male	MADHUBANI	ANDHRAATARI	MEHROL	MAHARAIL	41 KM	1	9199516910
51	RAM LOCHAN THAKUR	56 -70	Male	MADHUBANI	ANDHRAATARI	MEHROL	MAHARAIL	41 KM	1	7782912330
52	BACHAN MISHRA	56 -70	Male	MADHUBANI	ANDHRAATARI	MEHROL	MAHARAIL	41 KM	1	9934729406



S.NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls .tick) Eastern -1 Western-2	Telephone No. of respondent
53	SHANKAR JHA	<25	Male	MADHUBANI	ANDHRAATARI	MEHROL	MAHARAIL	41 KM	1	9006807211
54	PANDIT SHRI UMESH JHA	56 -70	Male	MADHUBANI	ANDHRAATARI	MEHROL	MAHARAIL	41-43 KM	1	9931663227
55	YOGENDRA JHA	41-55	Male	MADHUBANI	ANDHRAATARI	MEHROL	MAHARAIL	42 KM	1	9631006794
56	PANKAJ KUMAR JHA	<25	Male	MADHUBANI	ANDHRAATARI	MEHROL	MAHARAIL	41 KM	1	9910459532
57	KOSI SINHA	<25	Female	MADHUBANI	BABUBARHI	DABHAR	BITHONI	29 KM	1	9934621007
58	BHIBHA DEVI	41-55	Female	MADHUBANI	BABUBARHI	DABHAR	BITHONI	29 KM	1	7250694326
59	RAMDEV MEHTO	56 -70	Male	MADHUBANI	BABUBARHI	DABHAR	BITHONI	29 KM	1	8877271760
60	BRAJMOHAN THAKUR	25-40	Male	MADHUBANI	BABUBARHI	SATDHARA	SATDHARA	27 KM	1	8877573980
61	DILIP KUMAR MISHRA	25-40	Male	MADHUBANI	BABUBARHI	SATDHARA	SATDHARA	27 KM	1	9771248026
62	YUGEVI JHA	25-40	Male	MADHUBANI	BABUBARHI	SATDHARA	SATDHARA	27 KM	1	9801003907
63	SURENDRA MISHRA	25-40	Male	MADHUBANI	BABUBARHI	SATDHARA	SATDHARA	27 KM	1	9546681497
64	RAMAN KUMAR MISHRA	41-55	Male	MADHUBANI	BABUBARHI	SATDHARA	SATDHARA	27 KM	1	9006162539
65	VISHWANATH MISHRA	25-40	Male	MADHUBANI	BABUBARHI	SATDHARA	SATDHARA	27 KM	1	9769659112
66	NANDAN KUMAR JHA	<25	Male	MADHUBANI	BABUBARHI	SATDHARA	SATDHARA	27 KM	1	8877501060
67	SUARAV CHAUDHARI	<25	Male	MADHUBANI	BABUBARHI	SATDHARA	SATDHARA	27 KM	1	7549138755
68	VAIDNATH YADAV	25-40	Male	MADHUBANI	ANDHRAATARI	DEVHAR	BITHONI	29 KM	1	7770808821
69	RENU DEVI	<25	Female	MADHUBANI	ANDHRAATARI	DEVHAR	BITHONI	29 KM	1	7070808821
70	CHANDRADEV SHAH	25-40	Male	MADHUBANI	ANDHRAATARI	DEVHAR	BITHONI	29 KM	1	9199573371
71	DHANVIR MEHTO	25-40	Male	MADHUBANI	ANDHRAATARI	DEVHAR	BITHONI	29 KM	1	8298615047
72	RAM Udit SAHU	<25	Male	MADHUBANI	ANDHRAATARI	DEVHAR	BITHONI	29 KM	1	7779994731
73	DHARMENDRA SAHU	<25	Male	MADHUBANI	ANDHRAATARI	DEVHAR	BITHONI	29 KM	1	7765811007
74	PRAVIN KUMAR JHA	25-40	Male	MADHUBANI	KHAJALI	KANHOLI	KANAULI	14 KM	2	7631493080
75	PRAMOD KUMAR SINGH	41-55	Male	MADHUBANI	KHAJALI	KANHAULI	KANAULI	14	2	9507409015



S.NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls .tick) Eastern -1 Western-2	Telephone No. of respondent
76	MANOJ SINGH	41-55	Male	MADHUBANI	KHAJAULI	KANHAULI	KANAULI	14	2	9931978473
77	MAMTA DEVI	<25	Female	MADHUBANI	KHAJAULI	KANHAULI	KANAULI	14	2	9472993436
78	BASANT KUMAR SINGH	25-40	Male	MADHUBANI	KHAJAULI	KANHAULI	KANAULI	14	2	8470670171
79	KRISHNA KUMAR SINGH	56 -70	Male	MADHUBANI	KHAJAULI	KANHAULI	KANAULI	14	2	8521296858
80	PAPPU KUMAR CHAUDHARY	<25	Male	MADHUBANI	KHAJAULI	KANHAULI	KANAULI	14	2	8809642673
81	NAVIN KUMAR SINGH	<25	Male	MADHUBANI	KHAJAULI	KANHAULI	KANAULI	15	2	9470739322
82	AKHILESH KUMAR	<25	Male	MADHUBANI	KHAJAULI	SUVKI	SUVKI	9.1 KM	2	8678092980
83	SANJAY KUMAR	25-40	Male	MADHUBANI	KHAJAULI	SUVKI	SUVKI	9.2	2	9973409348
84	VIJAY KUMAR SINGH	25-40	Male	MADHUBANI	KHAJAULI	SUKKI	SUKKI	9 KM	2	8271262932
85	RAM AASHISH SINGH	41-55	Male	MADHUBANI	KHAJAULI	SUKKI	SUKKI	9 KM	2	7870724106
86	RAJKUMAR MEHTO	56 -70	Male	MADHUBANI	KHAJAULI	SUKKI	SUKKI	10-11 KM	2	8521816316
87	MAHENDRA PRASAD SINGH	41-55	Male	MADHUBANI	KHAJAULI	SUKKI	SUKKI	10-11 KM	2	9162249832
88	RAM PANDIT SINGH	41-55	Male	MADHUBANI	KHAJAULI	SUKKI	SUKKI	9 KM	2	9572553980
89	SITARAM SINGH	56 -70	Male	MADHUBANI	KHAJAULI	SUKKI	SUKKI	9 KM	2	8507103430
90	PRAMOD KUMAR SINGH	41-55	Male	MADHUBANI	KHAJAULI	SUKKI	SUKKI	10-11 KM	2	8809635622
91	UMARFALAK KAISAR	25-40	Male	MADHUBANI	MADHEPUR	BARSAM	BALTHI	27-28 KM	2	9546456216
92	TUFILE AHMED	25-40	Male	MADHUBANI	MADHEPUR	BARSAM	BALTHI	27-28 KM	2	9570241313
93	MOHAMMAD SEYEB	25-40	Male	MADHUBANI	MADHEPUR	BARSAM	BALTHI	27-28 KM	2	9572273111
94	MOHAMMAD ZUBER AHMED	41-55	Male	MADHUBANI	MADHEPUR	BARSAM	BALTHI	27-28 KM	2	8298516738
95	MOHAMMAD SAMSUL	25-40	Male	MADHUBANI	MADHEPUR	BARSAM	BALTHI	27-28 KM	2	8877950588
96	MOHAMMAD IBRAHIM	56 -70	Male	MADHUBANI	MADHEPUR	BARSAM	BALTHI	27-28	2	7631968790



S.NO	Name	Age in years	Gender	District:	Block	Panchayat	Name of village	Nearest Spur No/RD	Embankment (Pls .tick) Eastern -1 Western-2	Telephone No. of respondent
								KM		
97	MOHAMMAD KULBUDDIN	41-55	Male	MADHUBANI	MADHEPUR	BARSAM	BALTHI	27-28 KM	2	9631925117
98	MOHAMMAD AYASUDDIN	56 -70	Male	MADHUBANI	MADHEPUR	BARSAM	BALTHI	27-28 KM	2	8292184696



Annexure 8 B: Mobile numbers of PRI members

Sr. No.	Name of the villages	Nearest Embankment	R.D. Kms	Panchayat	Name of Mukhiya and Contact No.
1	Bhimnagar	Eastern Kosi Embankment	2.5 Kms	Bhimnagar	Mr. Sudhir Kumar Singh (7250375905)
2	Raniganj	Eastern Kosi Embankment	3.35 kms	Bhagwanpur	Ms. Shanti Devi (9939057590)
3	Shibnagar	Eastern Kosi Embankment	4.20 Kms	Bhagwanpur	
4	Madhura	Eastern Kosi Embankment	5.30 kms	Bhagwanpur	
5	Sahewan	Eastern Kosi Embankment	5.70 kms	Bhagwanpur	
6	Panchpadariya	Eastern Kosi Embankment	6.94 kms	Bhagwanpur	
7	Dhena	Eastern Kosi Embankment	9 kms	Ratanpur	Ms. Manju Devi (9470047834)
8	Piparahi	Eastern Kosi Embankment	10.35 Kms	Ratanpur	
9	Baijnathpur	Eastern Kosi Embankment	11.70 Kms	Ratanpur	
10	Dhadha	Eastern Kosi Embankment	12.37 Kms	Satanpatti	Md. Naseer (9955727401)
11	Narpatpatti	Eastern Kosi Embankment	16.98 kms	Satanpatti	
12	Lalmanpatti	Eastern Kosi Embankment	16.98 kms	Satanpatti	
13	Rupauli	Eastern Kosi Embankment	19 kms	Kamalpur	Mr. Manoj Sharma (9199710088)
14	Kodli	Eastern Kosi Embankment	20.70 kms	Laukaha	Ms. Maharani Devi (9934480411)



Sr. No.	Name of the villages	Nearest Embankment	R.D. Kms	Panchayat	Name of Mukhiya and Contact No.
					Mr.Kapileshwar Sah- Upmukhiya (9162512834)
15	Simri/Chitthi	Eastern Kosi Embankment	22 Kms	Chitthi Hanumanagar	Mr. Raj Kumar Ram (9939035115)
16	Nabipur	Eastern Kosi Embankment	22 Kms	Sahpur Pritipatti	Ms. Shyama Devi (9931226888)
17	Nonpar	Eastern Kosi Embankment	24.75 Kms	Laukaha	Ms. Maharani Devi (9934480411) Mr.Kapileshwar Sah- Upmukhiya (9162512834)
18	Baisa	Eastern Kosi Embankment	25.14 Kms	Laukaha	
19	Sadanandpur	Eastern Kosi Embankment	28 Kms	Jhila Dumri	Ms. Noorjehan Begum (9801411684) Mr.Raguvansh Pd. Yadav – Upmukhiya (9162085431)
20	Bishunpur	Eastern Kosi Embankment	28 Kms	Jhila Dumri	
21	Kalyanpur	Eastern Kosi Embankment	28.20 Kms	Baphtiyahi	Ms. Sunita Devi (9430648446)
22	Baphtiyahi	Eastern Kosi Embankment	29 Kms	Baphtiyahi	
23	Gadhiya	Eastern Kosi Embankment	32.33 Kms	Baphtiyahi	
24	Katahara	Eastern Kosi Embankment	53 Kms	Katahara Kadampura	Md. Nayeem Master (9199154736)
25	Khakhai	Eastern Kosi Embankment	51.52 Kms	Katahara	



Sr. No.	Name of the villages	Nearest Embankment	R.D. Kms	Panchayat	Name of Mukhiya and Contact No.
				Kadampura	
26	Bakurahi	Eastern Kosi Embankment	53 Kms	Katahara Kadampura	
27	Malhad	Eastern Kosi Embankment	58 Kms	Bairiya	Mr. Uday Jha (9431268487)
28	Bairiya Manch	Eastern Kosi Embankment	59 Kms	Bairiya	
29	Bhajantoli	Eastern Kosi Embankment	65.00 Kms	Bashbitti	Mr. Satrugan Chaudhary (8877982068)
30	Rampur Nobad	Eastern Kosi Embankment	66. 67 kms	Ramdupatti	Ms. Poonam Devi – (9430452187) Mr. Harkishore Verma- Upmukhiya (9570493132)
31	Nemua	Eastern Kosi Embankment	67 kms	Ramdupatti	
32	Basua	Eastern Kosi Embankment	68.00 Kms	Bashbitti	Mr. Satrugan Chaudhary (8877982068)
33	Ramduttpati	Eastern Kosi Embankment	68.25 Kms	Ramdupatti	Ms. Poonam Devi – (9430452187) Mr. Harkishore Verma- Upmukhiya (9570493132)
34	Bakaur	Eastern Kosi Embankment	72 kms	Bakaur	Mr. Shambhu Sharma (9570578457)



Sr. No.	Name of the villages	Nearest Embankment	R.D. Kms	Panchayat	Name of Mukhiya and Contact No.
35	Barahi	Eastern Kosi Embankment	72.80 Kms	Hatti	Mr. Ganesh Prasad (9470222033)
36	Misharaulia	Eastern Kosi Embankment	80.65 Kms	Mohanpur	Ms. Manju Prabha Devi (9430285550)
37	Fakhrahi	Eastern Kosi Embankment	80.65 Kms	Mohanpur	
38	Mohanpur	Eastern Kosi Embankment	81.5 kms	Mohanpur	
39	Ekar	Eastern Kosi Embankment	83.40 kms	Chandrain	Mr. Munna Yadav (9709866031/9470215702)
40	Chardrain	Eastern Kosi Embankment	83.84 Kms	Chandrain	
41	Darahara	Eastern Kosi Embankment	84 kms	Muradpur	Mr. Manoj Paswan (9934799481) (7631277725)
42	Jodi	Eastern Kosi Embankment	85.16 kms	Chandrain	Mr. Munna Yadav (9709866031/9470215702)
43	Majhaul	Eastern Kosi Embankment	85.5 kms	Sahpur	Ms. Hoosan Ara
44	Meshraho	Eastern Kosi Embankment	88 Kms	Meshraho	Mr. Darshan Paswan (9472534023/7763010348)
45	Sarauni	Eastern Kosi Embankment	89 kms	Meshraho	
46	Baluaha	Eastern Kosi Embankment	90 Kms	Meshraho	
47	Teghra	Eastern Kosi Embankment	93 kms	Meshraho	
48	Mahisi	Eastern Kosi Embankment	95 Kms	Mahisi Uttari	Mr. Ganesh Badhi (8405866735)



Sr. No.	Name of the villages	Nearest Embankment	R.D. Kms	Panchayat	Name of Mukhiya and Contact No.		
49	Bhagwatpur	Eastern Kosi Embankment	97 Kms	Mahisi Dakhsini	Mr. Inderdev Singh (9430019920)		
50	Mahpura	Eastern Kosi Embankment	98 kms	Mahisi Dakhsini			
51	Gamraho	Eastern Kosi Embankment	101 Kms	Shirwar Virwar	Ms. Salena Devi (9546071374)		
52	Bijwar	Eastern Kosi Embankment	102 Kms	Shirwar Virwar			
53	Rajhanpur	Eastern Kosi Embankment	103 Kms	Rajhanpur	Mr. Makeswar Ram (8757838060)		
54	Tilati	Eastern Kosi Embankment	104.5 Kms	Goghsam			
55	Bagewa	Below main EKE	122 Kms	Gordar			
56	Utteshra	Below main EKE	123 kms	Utteshra			
57	Salakhua	Below main EKE	124 Kms	Salakhua			
58	Sitwaha	Below main EKE	125 kms	Sitwaha			
59	Dhamara Ghat	Below main EKE		Sarswa			
60	Badla Ghat	Below main EKE		Hardia			
61	Gonghepur	Western Kosi Embankment	53.5 kms Below GGh	Ghonghepur	Md. Nayeem (9430583051)		
62	Bhanti	Western Kosi Embankment	50 Kms Below GGh	Telwa Paschim	Mr. Gopal Pandit (9939730605)		
63	Jalai	Western Kosi Embankment	49 kms Below	Manovar	Imrana Praveen (9006549145)		



Sr. No.	Name of the villages	Nearest Embankment	R.D. Kms	Panchayat	Name of Mukhiya and Contact No.
			GGH		
64	Nabada	Western Kosi Embankment	48 kms Below GGh	Telwa	Mr. Gopal Pandit (9939730605)
65	Dumri Supaul	Western Kosi Embankment	48 kms Below GGh	Telwa Paschim	
66	Garual	Western Kosi Embankment	46 kms	Baghwa	Ms. Kamini (9441691404)
67	Jamalpur	Western Kosi Embankment	41 kms	Jamalpur	Md. Irfan (9199840026)
68	Bhoogaul	Western Kosi Embankment	39 kms	Narkatia	Mr. Rajendra Paswan(9801612100)
69	Tetri	Western Kosi Embankment	38 Kms Below GGh	Kubol Tanga	Mr. Vishun Dev Rai
70	Tarwara	Western Kosi Embankment	36 kms	Tarwara	Ms. Arhool Devi (8292933590)
71	Kirathpur	Western Kosi Embankment	34 kms Below GGh	Kirathpur	Ms. Abida Khatoon (9939791587)
72	Neema	Western Kosi Embankment	33 Kms	Kirathpur	
73	Balthi	Western Kosi Embankment	27- kms Below GGh	Barsam	Ms. Feroze Alam (9006054777)
74	Dagmara	Western Kosi Embankment	22. 00 kms	Dagamara	Mr. Ram Prasad Ram (7782800210)



Sr. No.	Name of the villages	Nearest Embankment	R.D. Kms	Panchayat	Name of Mukhiya and Contact No.
75	Navkatola	Western Kosi Embankment	24 kms	Dagmara	
76	Lalmanpatti	Western Kosi Embankment	8.8 kms SML Ring bund	Dighiya	Mr. Sunil Kumar Chandan (9934542411/9546841671)
77	Dudhaila	Western Kosi Embankment	12-13 kms SML Ring bund	Dighiya	
78	Dighiya	Western Kosi Embankment	22 kms SML Ring Bund	Dighiya	
79	Sukki	Right Kamla Balan Embankment	9 kms	Sukki	
80	Kunhauri	Right Kamla Balan Embankment	14 kms	Kanhauri	
81	Naraur	Right Kamla Balan Embankment	46 kms	Naraur	
82	Rataul	Right Kamla Balan Embankment	52 Kms	Madanpur	Mr. Santosh (9471658743)
83	Mahia/Sutariya	Right Kamla Balan Embankment	59 Kms	Raja Kharwar	
84	Dewna	Right Kamla Balan Embankment	60 kms	Tengha	Ms. Parmeshwari Devi (9939750465)
85	Tengha	Right Kamla Balan Embankment	64 kms	Tengha	
86	Kumhraul	Right Kamla Balan Embankment	71 kms	Budhe Inayatpur	Mr. Jawahar Yadav (9771145131)
87	Inayatpur	Right Kamla Balan Embankment	72 kms	Budhe Inayatpur	



Sr. No.	Name of the villages	Nearest Embankment	R.D. Kms	Panchayat	Name of Mukhiya and Contact No.
88	Mansara	Right Kamla Balan Embankment	78 kms	Adharpur	
89	Bath	Right Kamla Balan Embankment	80 kms	Adharpur	
90	Satghara	Left Kamla Balan Embankment	27 kms	Satghara	Mr. Narayan Mishra (9534496493)
91	Bithauni	Left Kamla Balan Embankment	29 kms	Dabhaar	Mr. Ram Krishna Sati (9931907694)
92	Mahrail	Left Kamla Balan Embankment	41 Kms	Maharail	Mr. Geeta Nath Jha (9798419442)
93	Partapur	Left Kamla Balan Embankment	42 kms	Jhanjharpur	Mr. Ganga Pd. Yadav (9709526909)
94	Pipraghat	Left Kamla Balan Embankment	51 Kms	Behat Dakshin	
95	Khairi	Left Kamla Balan Embankment	59 Kms	Balia	
96	Kahairi Mushari	Left Kamla Balan Embankment	62 kms	Prasad	Ms. Nitya Nidhi Devi (9801496653)
97	Fataki	Left Kamla Balan Embankment	64 kms	Banki	
98	Daldal	Left Kamla Balan Embankment	66 kms	Parwalpur	
99	Asma	Left Kamla Balan Embankment	70 kms	Budhe Inayatpur	Mr. Jawahar Yadav (9771145131)
100	Rashiyari Tola	Left Kamla Balan Embankment	73 Kms	Rashiyari	



**Annexure 9: List of Vulnerable points across Kosi and Kamla Embankments
identified as per Barh Gasti Niyamawali for the last 3 years**

Sr. No.	Name of Embankment	Location	Name of Villages near to vulnerable points	Sub -Division	District	Risk category
1	Eastern Kosi Embankment 0.0 – 40.00 Birpur Division	0.68	Bhimnagar (Punarvas)	Birpur (0-7km)	Supaul	
2		1.60		Birpur	Supaul	
3		2.03		Birpur	Supaul	
4		2.40		Birpur	Supaul	
5		3.35	Raniganj	Birpur	Supaul	
6		5.3	Sahewan	Birpur	Supaul	
7		9.25	Bharava	Bhimnagar (7-15 km)	Supaul	
8		9.5	Panchpandariya	Bhimnagar	Supaul	
9		10.00	Dadha	Bhimnagar	Supaul	
10		20.20	Narpatpatti	Simri (15-25 Km)	Supaul	
11		20.50	Korhli	Simri	Supaul	
12		21.60	Chittiahi	Simri	Supaul	
14		25.14	Nonpar	Baptiyahi (25 – 40 km)	Supaul	
15		26.55	Baisa	Baptiyahi	Supaul	
16		29.00	Boptiyahi	Baptiyahi	Supaul	
17		53.00	Kakhai		Supaul	
18		58.00	Baraiya manch		Supaul	
19		60.00	Nemua		Supaul	
20		70.00	Dumra		Supaul	
21		78.90	Majhau		Supaul	
22		80.05	Misraulia		Supaul	
23		82.00	Fakrahi		Saharasa	
24		83.40	Ekar		Saharasa	
25		92.74	Mahisi		Saharasa	
26		95.00	Mahpura		Saharasa	
27		98.80	Karasthan		Saharasa	
28		27.00	Balthi		Madhubani	
29		33.00	Neema		Madhubani	
30		34.00	Kirathpur		Madhubani	
31		37.90	Tarwara Tatari		Madhubani	
32		39.750	Narkatia		Madhubani	
33		40.955	Jamalpur		Madhubani	
34		50.00	Bhanti		Madhubani	
35		49.00	Jalai		Madhubani	
36		53.199	Goghepur		Madhubani	
37	Sikarhatta Majhari Low Bund	6.00 – 6.50	Dighiya		Madhubani	
38		7.40 – 8.00	Dighiya		Madhubani	
39		9.00 – 9.50	Dudhaila		Madhubani	
40		12.30 – 14.50	Lalmanpatti		Madhubani	
41		19.50 – 19.80	Navkatola		Madhubani	



Sr. No.	Name of Embankment	Location	Name of Villages near to vulnerable points	Sub -Division	District	Risk category
42		20.20 – 20.50	Dagmara		Madhubani	
43	Vulnerable Points Below Badlaghat		Kachaut Damahara Ghat Madrauni		Bhagalpur	
44			Maraicha Chorhar Birbas		Bhagalpur	
45			Mansi		Khagaria	

Vulnerable Points on Kamla Balan Embankments as per Barh Gasti Niyamawali for the last three years.

Sr. No.	Name of Vulnerable Points	Name of Embankment	Location @ Km on Embankments	Name of Villages near to vulnerable points	Block	Sub - Division	District	Risk Category
1	Sathghara	Left Kamla Balan (22-51)	27 - 28	Sathghara	Babubarahi	Jhanjharpur	Madhubani	-
2	Bithauni		27 - 28	Bithauni	Babubarahi	Jhanjharpur	Madhubani	-
3	Partapur		41- 43	Partapur	Jhanjharpur	Jhanjharpur	Madhubani	-
4	Mahrail		44-46 47-49	Mahrail Chanaura Ghat	Lakhanaur	Jhanjharpur	Madhubani	-
5	Pipraghat		49 -51	Pipra Ghat	Lakhanaur	Jhanjharpur	Madhubani	-
6	Khairi	Left Kamla Balan (51- 93.4)	61 - 66	Raja Kharwar Khairi	Madhepur	Jhanjharpur	Madhubani	-
7	Khair Musahari			Khair Mushari				
8	Fataki			Fatak				
9	Daldal		66-70	Rasiyari Tola Daldal	Madhepur	Jhanjharpur	Madhubani	-
10	Sunasch		70-75	Sunasch	Madhepur	Jhanjharpur	Madhubani	-
11	Sukki	Right and left Kamla Balan	8-11	Sukki Sukhighat	Khajauli	Jainagar	Madhubani	B
12	Kanhaul		15.5 – 16.5	Kanhaul Bakhua	Baburahi	Jainagar	Madhubani	C
13	Chatra	Right Kamla Balan	21-22	Chatra	Baburahi	Jainagar	Madhubani	C
14	Banaur Mehath		37 .5	Banaur Mehath	Jhanjharpur	Jhanjharpur	Madhubani	A B



Sr. No.	Name of Vulnerable Points	Name of Embankment	Location @Km on Embankments	Name of Villages near to vulnerable points	Block	Sub - Division	District	Risk Category
15	Naruaar (1&2)		44-50	Naruaar	Jhanjharpur	Jhanjharpur	Madhubani	C
16	Rahitol		51	Rahitol Madanpur	Lakhnaur	Kemra	Madhubani	C
17	Thegha		64	Tengha	Tardih	Darbhangha	Darbhangha	C
18	Dewna		61	Dewna Mahia	Ghanshyampur	Darbhangha	Darbhangha	C
19	Kumharaul		70.00	Kumharaul Buddhe-Inayatpur	Ghanshyampur	Biraul	Darbhangha	B
20	Bath Masra		80	Masra Bath		Biraul	Darbhangha	C
21	Rauta		85	Rauta		Biraul	Darbhangha	C
22	Kothram		89 – 89.3 90 -91.5	Kothram Bauram	Gaura Bauram	Biraul	Darbhangha	C



प्रमाणित किया जाता है कि इस रजिस्टर में एक पेज है
 यह रजिस्टर PLATED नामक पुर पंचायत
 समिति की है।



क्र.संख्या	नाम	मो. नं.	दिनांक
1	पद्मनाभपुरिमा साहेबान	9546838280	विराजनाथमुष्टि
2	विरेडु कुं मासव शिवनगर	8292312886	SHIVNATH KUMAR
3	रामनाथमासव शिवनगर	8864090109	रामनाथमुष्टि
4	रामनाथ ठाकुर मयूर	7739550055	रामनाथकाठकुर
5	वसु ठाकुर मयूर	8540804982	वसुठाकुर
6	सुधनमा ठाकुर मयूर	8969521787	सुधनमाठाकुर
7	राजकुमार मुरिमा साहेबान	9546684985	राजकुमार(मुरिमा)
8	प्रमोद कुं मुरिमा शिवनगर	8189691504	प्रमोद कुमावुठ
9	मरु ठाकुर मयूर	9939413995	मरुठाकुर
10	मल्लम मुरिमा शिवनगर	7033797121	मल्लम मुरिमा
11	मुकुंकार ठाकुर मयूर		मयूर कांत ठाकुर
12	रामचंद्रमुरिमा साहेबान	7079605430	रामचंद्रवि. 21 किसा
13	वेचन मुरिमा साहेबान	8212067978	वेचन
14	रामजीवन मेहरा साहेबान	8292505910	रामजीवनमेहरा

तटबंध सुरक्षा हेतु सामुदायिक सहभागिता पर साप्ताहिक कार्यक्रम 2015-16

ज्ञान दिनांक 15.12.2015 रोज
मंगलवार को भगवानपुर पंचायत में
ग्रामवासियों के साथ तटबंध सुरक्षा पर एक
सामुदायिक सहभागिता के लिए साप्ताहिक
कार्यक्रम का आयोजन ने 0 पी 0 एस 0
रसोसिरह द्वारा किया गया जिसमें भगवान
पुर पंचायत के मुखिया श्री महेन्द्र भादत एवं
ग्रामवासियों ने काफी संख्या में भाग लिया,
जिसमें सबों ने मिलकर निम्नलिखित
निर्णय लिए।

- १) ग्राम स्तर पर तटबंध सुरक्षा समिति
का गठन किया जाना है।
- २) ग्रामवासियों द्वारा इस समिति के
सदस्यों का मनोनयन किया जाना है।
- ३) गाँव (ग्राम) के 5 सदस्यों का मनोनयन
बीरपुर में दिनांक 16.12.2015 होने वाले
कार्य शाला में सहभागिता के लिए किया जाना है।
- ४) इस कार्यक्रम में ये निर्णय लिया गया कि
इस कमेटी के सदस्य निम्नलिखित कार्यों
का निष्पादन करेंगे।
- ५) तटबंध को निरंतर निगरानी
- ६) तटबंध पर किसी भी छतरे की जानकारी
विभाग को देना।
- ७) ग्रामीणों के साथ तटबंध सुरक्षा पर
समय-समय पर विचार विमर्श करेंगे।

१०५२४ -

॥ श्रीगणेशाय नमः ॥

(14) निरुत्तर प्रश्न

સાબી દા(૧)
૬૦૫૦૬ મેઘુદા

1962 ५० ५१५

इसके उपरान्त हमलों ने 5-70 K.m
 पर किएव बांध का मुआयना किया
 जिसमें पर मैं बैठकर पाया

इसके बाद आगे कि

[illegible]

31/07/21

५
की प्राप्ति

श्रीव

2214 102110

610 - 20210211/01/01/01

21/11/11

xxvii गणेश्वरी सा —

xxviii वांछितगणेशमा —

xxix गौरीप्रभ मेहता —

मोला प्रसाद गहना

xxx विन्देश्वर सा —

xxxi वरत कुं बाबुर

xxxii मनोज कुं सा

xxxiii अनिल कुं सा

अनील कुं सा

xxxiv इंदुल मेहता

इंदु राय गहना

xxxv सुनील कुं मेहता —

xxxvi विरेन्द्र सा —

विरेन्द्र सा

xxxvii मधुप्रकाश मुखर्जी —

मधु प्रकाश मुखर्जी

xxxviii रंजीत कुं मुखर्जी —

रंजीत कुमार मुखर्जी

xxxix बालकृष्ण सा

बालकृष्ण सा

xl रामजी सा

रामजी सा

xli मुनेश्वर सा

मुनेश्वर सा

xlii अशोक कुं मुखर्जी —

अशोक कुं मुखर्जी

xliii महेंद्र सा

xliv मनोज कुं सा

मनोज कुमार सा

xlv रामजी मुखर्जी

xlvi बालकृष्ण मुखर्जी

मामसाधुधु

शान्तोत्तम मेहता

चिरेन माना

राजकुं राम

राजकुं राम

आज दिनांक:- 09/01/2016 रोज़ शनिवार
 दिन के 2.00 बजे सांजनिक दुर्गा मंदिर-
 वाने के प्रांगण में W.R. के बोरपुर डीपी
 के कनीय अभियंता श्री गंधर्व कुमार जी एवं
 BAPEPS PATANA से आयी पापू धकार
 श्री रवी गुप्ता जी और JPS एसोसिएट
 लीमिटेड के सश्रीक वकील जी, दिवाकर पांडे
 जी, सूरज कुमार जी, रागधर जी एवं ग्राम
 वासीयों के बीच सभा का आयोजन किया
 गया जिसमें मुख्य रूप से निम्न बातों
 पर चर्चा कि गई।

1. K-EAMS (Koshi Embankment Asset
 Management System)
 अर्थात् - मैसिन द्वारा सुचना देने की
 प्रक्रिया पर विचार विमर्श।
2. जन सहभागिता में अपनाये जाने वाली
 सुचना तंत्र पर विचार, विमर्श और उस
 आख्यान-प्रदान कर उस प्रदर्शित किया गया।
3. तटबंध से जुड़े सुचना संबंधित कोड का
 विवरण और उसकी व्यवस्था कि गई।

इसी के साथ इस आमसभा
 कि समाप्ती कि घोषणा की जाती है।

अध्यक्ष
 श्री राम कुमार झा
 सकल देवताओं के साथ

जगत कुमाल भारती
राशिदः ककील
रवि उ० उमा
राशिद कुमाल
राशिद कुमाल

Sumit
Ramesh Kumar
Ramesh Kumar
Ramesh Kumar

- (I) रामेश कुमाल भारती — रामेश कुमाल भारती
- (II) विमल कुमाल भारती — विमल कुमाल भारती
- (III) मधुकांत भारती — मधुकांत भारती
- (IV) रामकांत भारती — रामकांत भारती
- (V) उमेश मुखर्जी — उमेश मुखर्जी
- (VI) वही भारती — वही भारती
- (VII) राजेश कुमाल भारती — राजेश कुमाल भारती
- (VIII) रामेश भारती — रामेश भारती
- (IX) मधुकांत मुखर्जी — मधुकांत मुखर्जी
- (X) रामेश भारती — रामेश भारती
- (XI) रामेश भारती — रामेश भारती
- (XII) विमल भारती — विमल भारती
- (XIII) अनिता भारती — अनिता भारती
- (XIV) मंजु कुमारी — मंजु कुमारी
- (XV) सुमीत्रा भारती — सुमीत्रा भारती
- (XVI) एण्डर भारती — एण्डर भारती

DEPARTMENT

11

रां) रवि कुमार उपा

(ii) विनय कुमार पांडव

(iii) शौरभ कुमार

(iv) लम शंकर

(v) रामचंद्र साधन

12/12/15
 12/12/15
 12/12/15

12/12/15
 12/12/15

आज दिनांक 20/12/2015 रोज रविवार दिन के 4.30 बजे ध्वजन सार्वजनिक दुर्गा मंदिर साहेबगंज के प्रांगण में ए.ए.ए. एवं ज्योतिषीय ए.ए. के शिक्षा विध्याकर पाठक जी, सौरभ जी, वम-शंकर जी एवं आमवासियों के साथ तलबंदा सुरक्षा हेतु एक सामुहिक सभा हुआ।

इस आमवासी अपने पंचायत के तलबंदा के विषय में विभिन्न समस्याओं की शिकायतें

→ 4.30 पर सां. वैदिक संवेदन शीतल है उसकी मरम्मत एवं ठिन्वाड़ का कार्य किया जाय।

→ हमारे पंचायत के पचपडसीया गांव के कुछ तलबंदा के किनारे धार बनाए हुए हैं एवं मनुष्यानी करत रहता है जिससे यह लगाता है कि बांध पर खतरा उत्पन्न हो सकता है।

→ पूर्वी कोशी तलबंदा के हमारे पंचायत के अर्न्तगत कुछ एसी पड पड़ते हैं जो तलबंदा के लिए खतरनाक हैं जिसे हटाया जाय।

इसी के साथ इस आम समाज समाजों को धोखा दे रहे हैं।

क्र. संख्या

नाम

हस्ताक्षर

1

सतल देवपौर

रामेश्वर

(2) रमेश कुमार पादव

रमेश कुमार पादव

(3) मोहन प्रसाद मेहता

मोहन प्रसाद मेहता

4. चिरंजीव मंडल

चिरंजीव मंडल

(5) पवन मंडल

पानी मंडल

(6) रामेश्वर

रामेश्वर

7. निमोन कुमार ठाकुर

निमोन कुमार ठाकुर

8. मधुकांत ठाकुर

मधुकांत ठाकुर

9. अमोल कुमार मुखिया

अमोल कुमार मुखिया

10. उमेश मुखिया

उमेश मुखिया

11. चन्दन मुखिया

चन्दन मुखिया

12. Jai Prakash Paswan

जयप्रकाश

13. रामचन्द्र ठाकुर

रामचन्द्र मुखिया

14. चन्द्रेश्वर पासवान

चन्द्रेश्वर पासवान

15. राम जितन दास

राम जितन दास

16. रामचन्द्र ठाकुर

रामचन्द्र ठाकुर

17. बाला राम ठाकुर

बाला राम ठाकुर

18. विश्वनाथ ठाकुर

विश्वनाथ ठाकुर

19. भरत ठाकुर

भरत ठाकुर

20. नवीन ठाकुर

नवीन ठाकुर

सभी उपस्थित सदस्यों के सहमति से निम्नलिखित व्यक्तियों को निम्न पदों हेतु चयनित किया गया।

सभापति - शाम किशोर ठाकुर

mob- 9891547617

कीषाध्यक्ष - रमेश कुमार चादव

सचिव :- सकलदेव चौधरी

mob- 8969040005

अध्यक्ष

सभापति

सचिव

कीषाध्यक्ष

सकलदेव चौधरी

साथ सभा समाप्ति की घोषणा की जाती

है, अगली सभा 03. 01. 2016 को

आयोजित करने का निर्णय लिया गया।

क्र.संख्या	नाम	मो.ब.नं०	हस्ताक्षर
(29)	मानवी मुरिम मधुरा		मानवी
(30)	MANOJ YADAV मधुरा	9546836617	Manoj Yadav
(31)	मनिल दास साहेबगढ़	8292118965	Rail कन्स्ट्र
(32)	मनम मुरिम शिवनगर		मनम मुरिम
(33)	मो. मुरिम शिवनगर		मो. मुरिम

~~सभी मो. नं० के लोग~~

पंचायत स्वरीय कमिटी के सदस्यों का नाम

1. राम नारायण जादव (शिवनगर)
2. सत्य नारायण दास (साहेबगढ़) 8757839567
3. रमेश कुमार जादव (शिवनगर) - 8292510540
4. मधु कुल्लु ठाकुर (मधुरा)
5. नारायण ठाकुर (मधुरा) - 7739617717
6. वैचन मु खिशा (साहेबगढ़) - 8292067978
7. विश्व नाथ मुखिया (साहेबगढ़) - 9546838280
8. सतीश कुमार दास (साहेबगढ़) 8292195771
9. भरत ठाकुर (मधुरा) - 9939413995
10. मंगल दास (साहेबगढ़) - 9507811423
11. पारै न प्र साद जादव (शिवनगर)
12. श्याम किशोर ठाकुर (मधुरा) 7091547617
13. सकल देव चौधरी (साहेबगढ़) - 8769040005

क्र० संख्या	नाम	mob. No.	हस्ताक्षर
15	चन्दन मुखिया शिवागार	7739424873	चन्दन मुखिया
16	वमराम मुखिया नयुरा	9102827428	वमराम
17	संतोष कर्डा साईवाग	8292195471	Santosh-kv-dag
18	राहु डाल साईवाग	9661157312	राहु डाल
19	मोहन गडवाल साईवाग	7091036674	मोहन गडवाल
20	रमकलेश पांडुरंग साईवाग (सावित्री)	8969048005	रमकलेश पांडुरंग
21	मोहन गडवाल साईवाग	8651203725	मोहन गडवाल
22	रमेश कर्माकर शिवागार	8292510540	रमेश कर्माकर
23	वीरमा लाल शर्मा शिवागार		वीरमा लाल शर्मा
24	चन्द्रेश्वर पालवाग सावित्री गांव	9199895453	चन्द्रेश्वर पालवाग
25	विजय डाल साईवाग		विजय
26	देवचंद पेंडरी साईवाग		देवचंद पेंडरी
27	विजय डाल साईवाग	9560537056	विजय पेंडरी
28	सत्यनारायण डाल	97839567	सत्यनारायण