बिहार सरकार

जल संसाधन विभाग

कार्यपालक अभियंता का कार्यालय

बाढ़ नियंत्रण प्रमंडल–1, खगड़िया।

Email Id – eefcd1khg@gmail.comMobile No – 7463889810

Short-Term Inviting Re-Quotation,Notice No. 01/2026-27

निदेशक, गणितीय प्रतिमान केन्द्र, बाढ़ प्रबंधन सुधार सहायक केन्द्र, जल संसाधन विभाग, अनिसाबाद पटना के पत्रांक–बा0प्र0सु0स0के0–(MMC)–40/2026–904, दिनांक–30.07.2026 एवं मुख्य अभियंता, बाढ़ नियंत्रण एवं जल निस्सरण, जल संसाधन विभाग, समस्तीपुर का पत्रांक–3075, दिनांक–25.07.2026 द्वारा खगड़िया जिला के खगड़िया, गोगरी एवं परबत्ता प्रखंड में प्रस्तावित तीन अदद् रिंग बांध निर्माण हेतु गणितिय प्रतिमान कराये जाने हेतु सर्वेक्षण/अन्वेषण एवं प्रतिवेदन तैयार करने का कार्य के लिए परामर्शी से मुहरबंद लिफाफा में अतिअल्पकालीन पुर्नकोटेशन आमंत्रित किया जाता है।

1. विज्ञापनदाता का पदनाम एवं पता :– कार्यपालक अभियंता, बाढ़ नियंत्रण प्रमंडल–1, खगड़िया।
2. कोटेशन आमंत्रण सूचना निर्गत की तिथि :– **10.11.2026**
3. कोटेशन जमा करने की अंतिम तिथि एवं स्थानः– :– दिनांक **02.12.2026** के अपराह्न **3:00** बजे तक। कार्यपालक अभियंता, बाढ़ नियंत्रण प्रमंडल–1, खगड़िया।
4. कोटेशन खोलने की तिथि/समय एवं स्थानः– :– दिनांक **03.12.2026** को **03:30** बजे अपराहन् तक। कार्यपालक अभियंता, बाढ़ नियंत्रण प्रमंडल–1, खगड़िया।
5. कार्य सम्पादन की अवधि :– सभी सर्वेक्षण एवं अन्वेषण कार्य अधिकतम 45 दिनों के अंदर संपादित करना होगा। उक्त अवधि के 15 दिनों के उपरांत निर्धारित समय के अंदर वांछित सभी प्रतिवेदन/ऑकड़ा एवं ड्राईंग नियोक्ता को समर्पित किया जाना है। उक्त के अतिरिक्त विषयांकित कार्य का गणितिय प्रतिमाण केन्द्र, अनिसाबाद, पटना से मॉडलिंग कार्य कराने में सेवा प्रदाता द्वारा समन्वय स्थापित कर वांछित सहयोग प्रदान करेंगे।
6. विलम्ब/समयावृद्धि :– निर्धारित समय सीमा के अंदर कार्य सम्पादित नहीं किये जाने की स्थिति में विभाग को अनुशंसा की जा सकती है।
7. कार्य का विवरण तथा नियम एवं शर्तें :– विभागीय वेबसाईट पर उपलब्ध।

10/11/2026

ई0 मनोज कुमार सहनी
कार्यपालक अभियंता,
बाढ़ नियंत्रण प्रमंडल–1, खगड़िया।

SUBMISSION OF QUOTATION

Details of Work :- Topographic Cum Bathymetric Survey of River Ganga & Budhi Gandak and existing structures like spurs, studs, bridges, embankments present in the model domain (i.e. **0.5 km upstream of Aguani Ghat Bridge to 25 km downstream of Aguani Ghat Bridge & 3 km upstream of Budhi Gandak Bridge at Khagaria to 8 km downstream of Bridge)** with grain size analysis &velocity measurement.

<table>
<tr><th rowspan="2">Sl. No.</th><th rowspan="2">Description Of work</th><th rowspan="2">Unit</th><th colspan="2">Amount</th></tr>
<tr><th>In Figure</th><th>In word</th></tr>
<tr><td>1.</td><td>Conducting detail Topographic Cum Bathymetric Survey of River Ganga & Budhi Gandak and existing structures like spurs, studs, bridges, embankments present in the model domain at spacing of 100 m, 200m, 250 m & 500 m interval with bed levels at 4-10 m spacing in water part and 25 to 50m in land part, as mentioned in technical note attached (i.e. 0.5 km upstream of Aguani Ghat Bridge to 25 km downstream of Aguani Ghat Bridge & 3 km upstream of Budhi Gandak Bridge at Khagaria to 8 km downstream of Bridge) with 2 sediment samples for grain size analysis of the study area from three crosssectional lines in the channel flowing near the attacking bank & velocity measurement for the same cross-sectional lines as per the instruction of Engineer In Charge. Detail as follow:-
<table>
<tr><th colspan="2">Location</th><th>Length (km)</th><th>Average Width (km)</th><th>Cross section interval (m)</th></tr>
<tr><td rowspan="5">1</td><td rowspan="3">Budhi Gandak</td><td>2.5</td><td>1</td><td>200</td></tr>
<tr><td>5</td><td>1.3</td><td>200</td></tr>
<tr><td>3.75</td><td>1</td><td>100</td></tr>
<tr><td rowspan="3">Ganga</td><td>5.6</td><td>0.5</td><td>250</td></tr>
<tr><td>13</td><td>0.7</td><td>250</td></tr>
<tr><td>23</td><td>3.2</td><td>500</td></tr>
<tr><td rowspan="2">2</td><td rowspan="2">Topographic Survey in Ganga</td><td>Area</td><td colspan="2" rowspan="2">Points at an interval 25m to 50m</td></tr>
<tr><td>107 km^2</td></tr>
</table>
</td><td></td><td></td><td></td></tr>
<tr><td>2.</td><td>Submission of detail drawing of C/S & L/S in 10 Copies with Index map of proposed study area showing all existing structures with tabulated detail of grain size analysis & velocity measurement as per the direction of Engineer In Charge.</td><td></td><td></td><td></td></tr>
<tr><td>3.</td><td>Providing assistance to Engineer In Charge for validating the require data for Mathematical Modelling Studies at FMISC, Patna.</td><td></td><td></td><td></td></tr>
</table>

Terms & Conditions :-

2.1 Eligibility:- The quotation will be accepted only from all eligible Consultants.

2.2 Quoted amount- Amount should be Submitted in Lum-Sum. based in both figures and words. The agreement value of the work will be based on the quoted rate approved by the competent authority.

1.3 The quoted amount should be quoted inclusive of Service tax, GST, and other Taxes ,

1.4 Liabilities of State and central which are applicable. No extra tax shall be payable on the account by the department.

2.4 The quoted amount should be valid for financial year 2026-27.

2.5 Price Escalation - No price escalation will be entertained.

2.6 It will be assumed that the amount required for complete work has been covered in the quoted amount, meaning that no extra payment will be made in addition to quoted amount.

2.7 There should not be any cutting or overwriting. Amount must be written both in figures and words.

2.8 Bid- The Financial bid should be submitted in sealed envelope.

2.9 The financial proposal of the all Consultant will be opened by the undersigned (The time, date and place mentioned in the Invitation letter) in the presence of Consultant or their representatives who wish to attend the Bid opening.

1.10 The lowest quoted amount by the consultant will be selected as a Successful bidder. The completing the negotiations by the competent authority; the Department shall award the contract to the selected agency.

1.11 The agency is expected to commence the services immediately after the Award of the Contract.

1.12 The Financial proposals must be valid for the period of 90 days from the date of submission of proposal.

2.13 Vague and conditional bids are liable to be rejected.

2.14 Canvassing for support in any form for the acceptance of any bid is strictly prohibited.

2.15 Acceptance-The client is not bound to accept any or all the proposals. The client reserves the right to reject any or all the Proposals. Without assigning any reasons. No Bidder shall have any cause for action or claim against the client or it's officers employees, Successors or assignees for rejection of his bid.

2.16 Quotationer or his authorized person should ensure their presence at the time of opening quotation. If Quotationer or his authorized person does not remain present at the time of opening of quotation, the quotation will be opened in the present of the WRD officials and further no any claim will be entertained in this regard Bid will be scrutinized on the basis of lowest price quoted by Quotationer.

2.17 The agreement will be made after getting the approval by competent authority of water Resources Department, Govt. of Bihar

2.18 Paying Authority- Executive Engineer, Flood Control Division-1,Khagaria.



Payment Schedule:-

Sr. No	Mile Stone	Releasing % on Agreement Value
i.	After Conducting detail Topographic Cum Bathymetric Survey in the model domain (i.e. 0.5 km upstream of Aguani Ghat Bridge to 25 km downstream of Aguani Ghat Bridge & 3 km upstream of Budhi Gandak Bridge at Khagaria to 8 km downstream of Bridge) with grain size analysis & velocity measurement as per the direction of Engineer In Charge.	60%
ii.	Submission of detail drawing in 10 copies of CIS & VS with Index map of proposed study area showing all existing structures with tabulated detail of grain size analysis & velocity measurement as per the direction of Engineer ln Charge.	20%
iii.	After validating the require data for Mathematical Modelling Studies at MMC, Patna.	20%

3.1 Advance payment :- No advance payment will be made.

3.2. The Consultant shall begin carrying out the survey to complete the work within the above stipulated time, as per the timeline given above. No claim for delay in the execution of the work will be entertained.

3.3 The working design/drawing/cross section to be submitted within 45 days after agreement/ work order.

3.4 The agency shall comply with labour laws & regulations. The department shall not be responsible for the same.

3.5 The payment shall be made after deducting the income & other taxes as per prevailing rules.

3.6 The Quotationer shall quote the rate in Lump sum only and the amount of agreement will be the quoted amount.

3.7 The work site and all relevant documents can be seen by the interested Quotationer on any working day before submission of the quotation.

3.8 Amount equivalent to 10% (Ten Percent) of the Bill shall be deducted by the Executive Engineer, Flood Control Division-1, Khagaria and kept in department as security deposit from each running account bill & final bill. This will be released after Mathematical Modelling Studies is Completed by FMISC, Patna or after 03 months of completion of work whichever is earlier.

3.9 Final 10 (Ten) copy of Report including design/drawing etc. should be submitted as required for the work as per the direction of Engineer In Charge.

3.10 Completed Quotation/Financial Bid must be submitted physically on or before the time not later than 03:00 PM on 02.12.2026 at office of the Executive Engineer, Flood Control Division-1, Khagaria and any quotation received after the closing time for submission of quotation shall be returned unopened.

3.11 (i) This quotation is not transferable.

(ii) The agency shall make adequate arrangements for the safety of the personnel during execution of the work and the agency will be solely responsible for any accident/mishap if it occurs.

3.12 Though adequate care has been taken while preparing this quotation, the bidder shall satisfy himself that document is complete in all aspects.

3.13 All drawing, documents shall be kept confidential and in no way, these are to be disclosed to any other person not Concerned with this work.

इस संबंध में विस्तृत जानकारी के लिए अद्योहस्ताक्षरी के कार्यालय के सूचना पटट् तथा कोटेशन प्राप्ति के स्थानों एवं दूरभाष नं0–7463889810 पर भी सम्पर्क किया जा सकता है।

10/11/2026

कार्यपालक अभियंता,
बाढ़ नियंत्रण प्रमंडल–1, खगड़िया।

Technical Note for Proposed 3 Ring Bunds

A) 2 ring bunds proposed near main River Ganga:

This is a very complex region to setup a morphological model and 2D hydrodynamic model. Even though the main river Ganga River is located far away from the proposed two ring bunds, but there are secondary spill channels along the proposed bunds which get inundated during the monsoon season. Hence the secondary spill channels, which might influence the hydrodynamics near the proposed ring bunds, is being proposed to be surveyed at 250m interval. However, the main channel of the Ganga River and rest of the secondary spill channel which is impacting the hydrodynamics near the proposed bunds, is being proposed to be surveyed at 500m interval. The map showing the data requirement is attached.

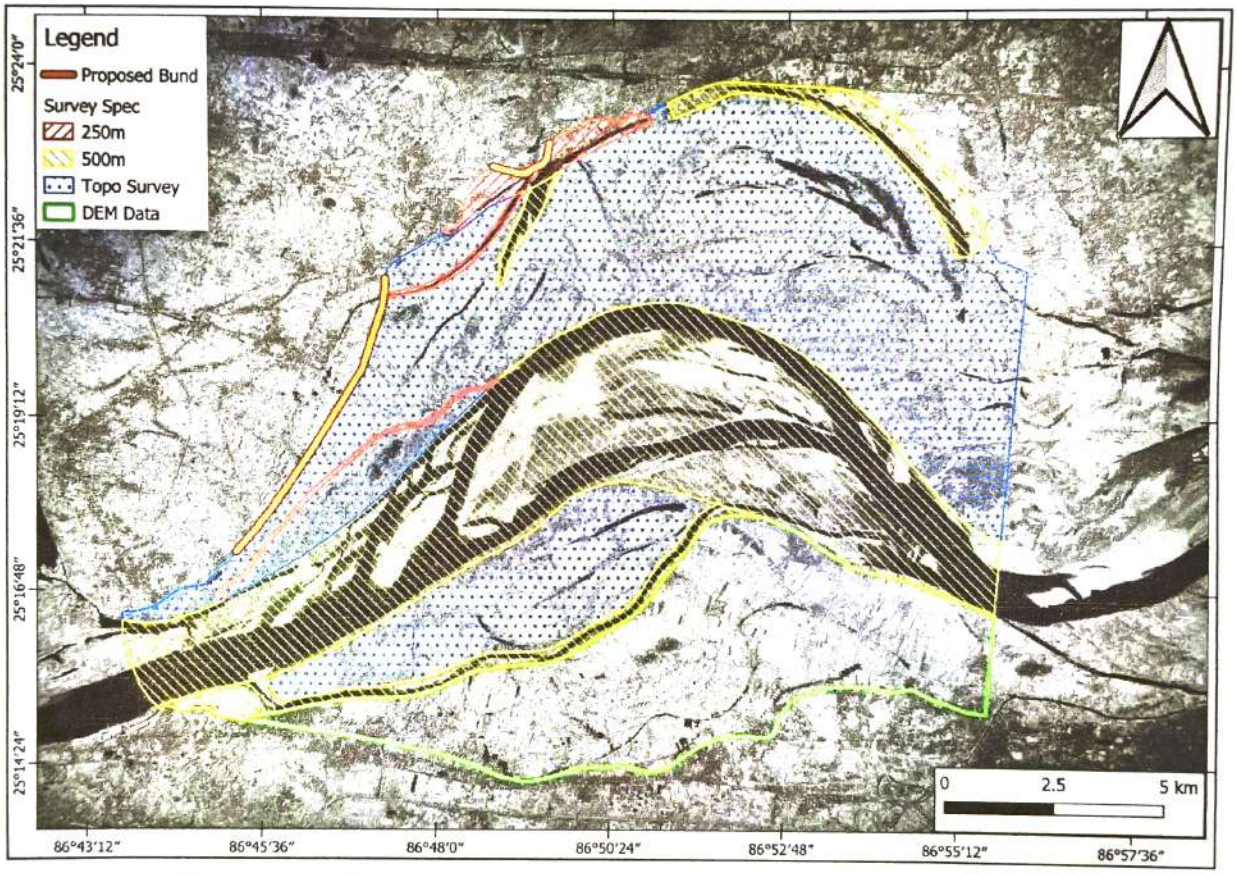


Fig. 1: Survey specification for prposed two ring bunds near River Ganga

Another important feature of the study is that, the main bund is being proposed over an active flood plain. Hence this active flood plain information is also required, where topographic survey would need to be carried out. However, if no data can be collected at that location at present, the DEM data could be used, but then the modelling accuracy would be compromised marginally. Finally, the floodplain which would have very minimal impact on the hydrodynamics near the proposed bund, would be directly taken from the DEM.

It is specifically highlighted that even though it may be possible to carry out the modelling studies on the basis of bathymetric survey of the main Ganga River and generate everything else from DEM data, but the modelling accuracy would be affected in that case. However, as the area of interest is located on the active floodplains, this option should be exercised as a last resort, only if the data collection of the secondary spill channels and the topo surveys are infeasible.

B) 1 ring bund proposed near River Burhi Gandak:

For the Ring Bund near Buri Gandhak, a separate model needs to be setup. The river here is pretty much attached to the proposed ring bund. The width of the Buri Gandhak River is also quite narrow and would therefore require a much finer model to resolve the hydraulic conditions of the river. Hence, a much finer data requirement for the region of interest is required. However, the total model length can be limited as compared to that of for the modelling study for 2 ring bunds near Ganga River (mentioned above), as the adaptation length of the model would be much shorter for the Buri Gandhak River. 100m interval bathymetric survey (about 3.75 km) has been proposed near the proposed bund. For the rest of the tentative model domain (about 7.2 km), bathymetric survey has been proposed at 200m interval.

Along with the bathymetric sections, the topographic data for this river with the same interval as the proposed bathymetric survey, within the attached polygon would be needed and the same procedure shall be adopted as suggested for the ring bunds near Ganga River. The .kmz file as well as a map showing the data requirement is attached.

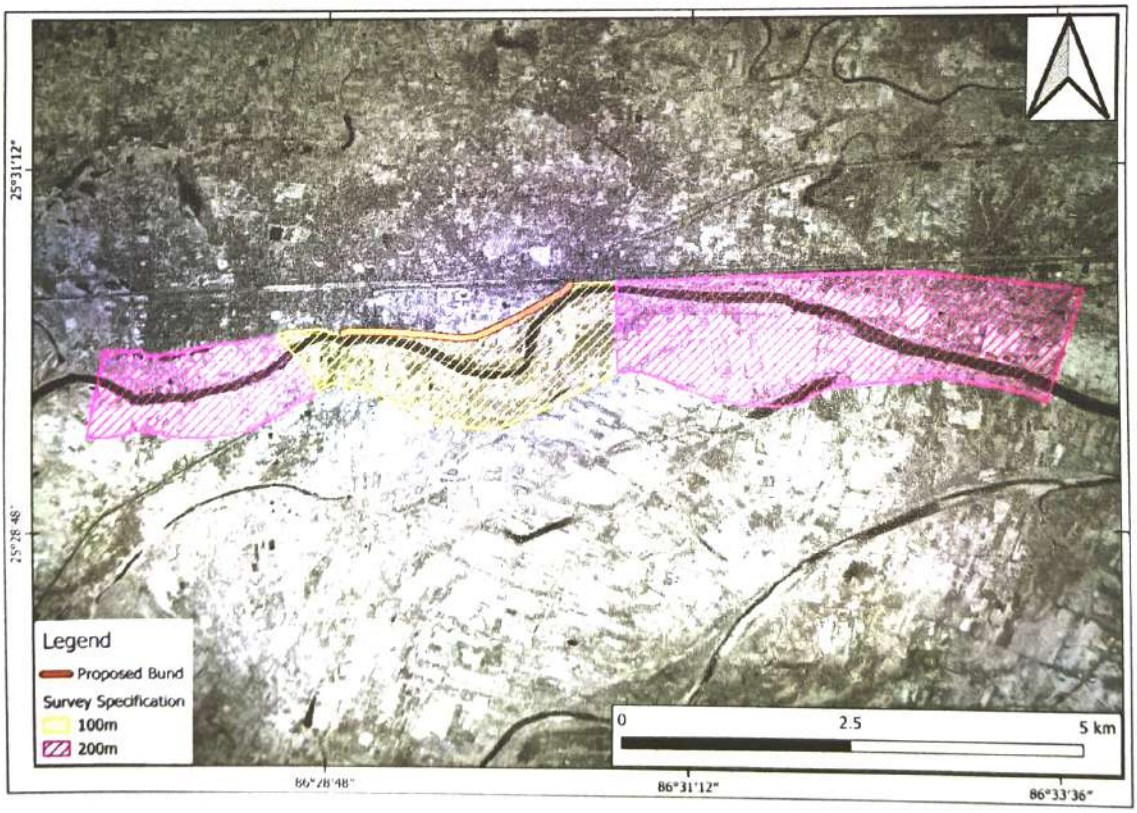


Fig. 2: Survey specification for proposed one ring bund near River Burhi Gandak

Technical Note for Proposed 3 Ring Bunds

A) 2 ring bunds proposed near main River Ganga:

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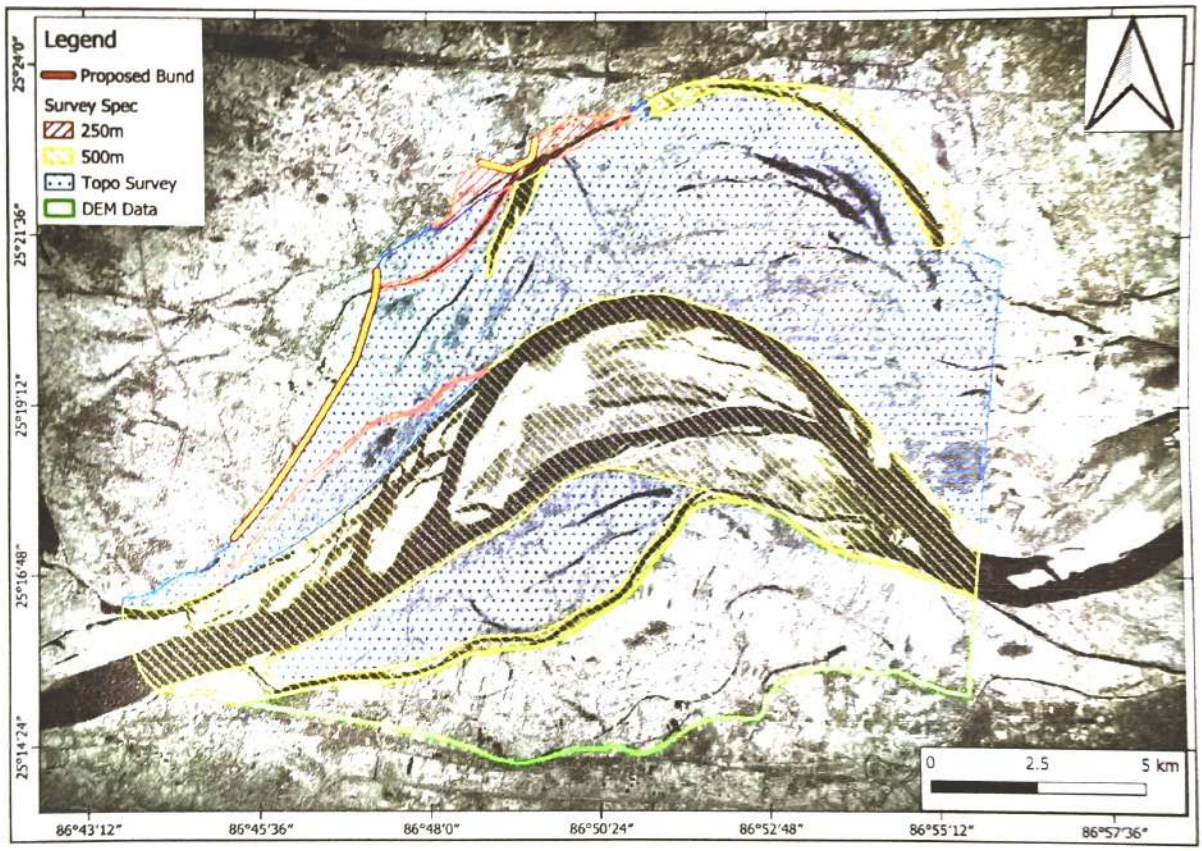


Fig. 1: Survey specification for prposed two ring bunds near River Ganga

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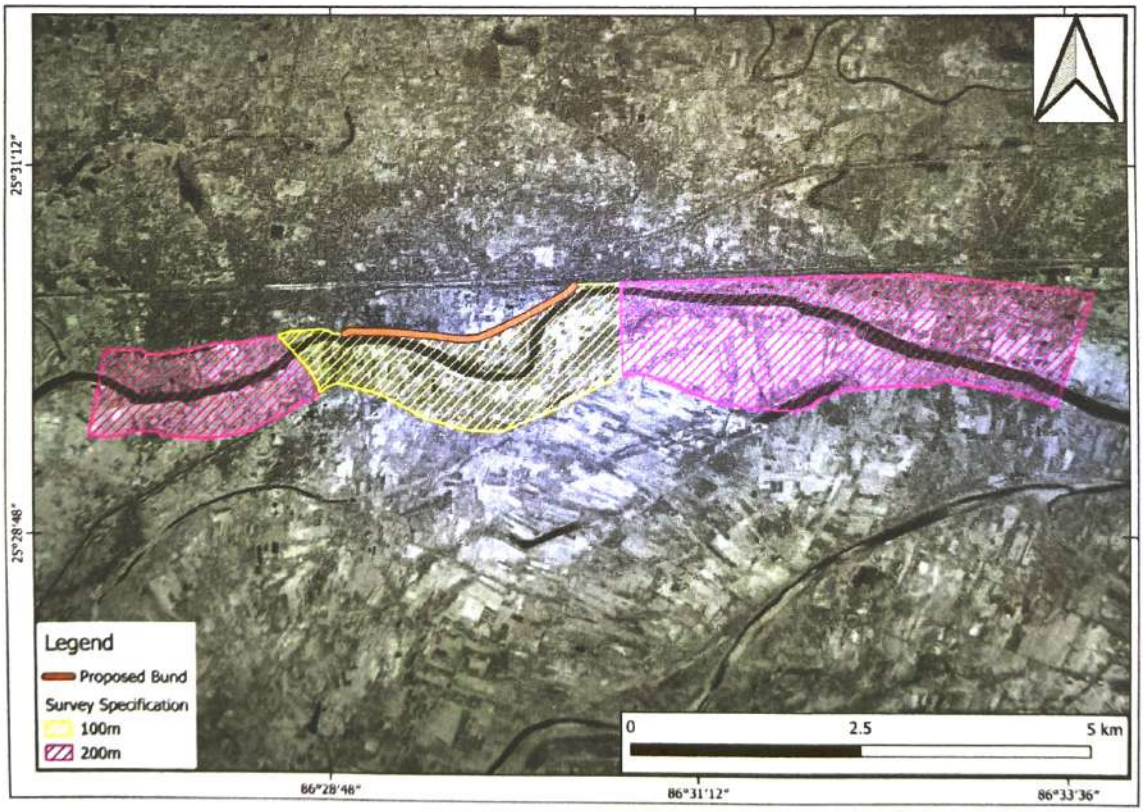


Fig. 2: Survey specification for proposed one ring bund near River Burhi Gandak