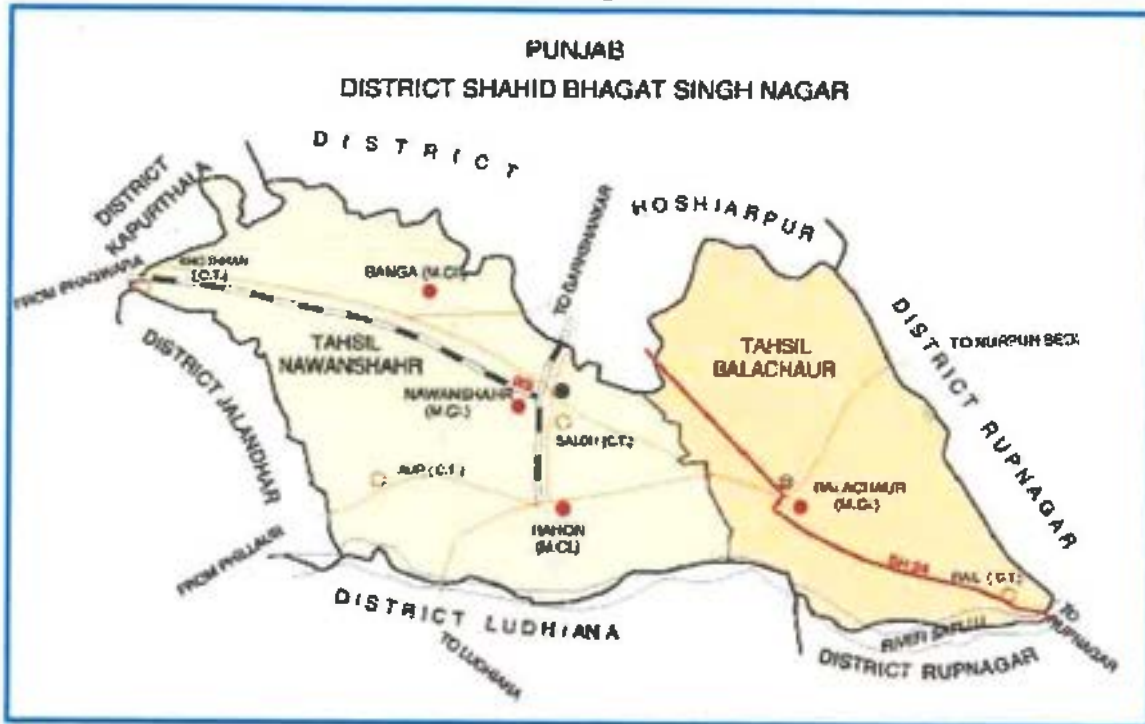


**DISTRICT SURVEY REPORT
FOR MINOR MINERALS
OF
SBS NAGAR DISTRICT, PUNJAB**

(As per Notification No. S.O.3611 (E) dated 25th July 2018,
Sustainable Sand Mining Management Guidelines, 2016 and
Enforcement & Monitoring Guidelines for Sand Mining (EMGSM)
January 2020, issued by Ministry of Environment, Forest and Climate
Change)



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Content

Chapter No	Subject	Page No.	
	Preface	1	1
1	Introduction	2	16
2	Overview of Mining activities in the District	17	19
3	Process of Deposition of Sediments in the rivers of the District	20	22
4	General Profile of the district	23	31
5	Physiography of the District	32	40
6	Geology and Mineral Wealth	41	42
7	Estimation of deposits and Replenishment Studies	43	58
8	Transport	59	59
9	Remedial measure to mitigate the impact of mining	60	65
10	Conclusion	66	66
Plate			
Plate I	Map showing potential sandbar on Sutlej River, SBS Nagar District	67	78
Plate II	SBS Nagar Elevation & Longitudinal cross-section (L-Section)	79	81
Plate III	Cross-section line plotted along a potential sandbar on Sutlej River, SBS Nagar District (As per Sub Divisional Committee, cross section of 30 Recommended sites)	82	167
Plate IV	Route Map(Riverbed Sites & Agriculture Sites)	168	207
Annexure			
Annexure A	Annexure as prescribed in the EMGSM, 2020	208	245
Annexure B	Coordinates of Potential Sand Blocks on Sutlej River of SBS Nagar District	246	277
Annexure C	The structure of the Sub-divisional Committee Constituted for the preparation of the District Survey Report for Sand minerals of District SBS Nagar	278	280
Annexure D	Photographs of the site survey	281	289
Annexure E	Sub- Divisional Committee visit report	290	355C
Annexure F	Sp. Gravity & Bulk Density data of sand from NABL lab	356	362
Annexure G	Final Block Sand Ghats Coordinates	363	397
Annexure H	Detailed Lithological Section of Agriculture Sites up to 15 feet	398	405
Annexure I	Wildlife/DFO Certificate	406	410



District Survey Report
SBS Nagar, Punjab

Annexure J	Public Consultation	411	414
Annexure K	Demand & Supply	415	416
Annexure L	Executive Summary	417	423



Preface

This District Survey Report for mining of minor minerals has been prepared in compliance with the decision taken on the subject in a review meeting held on 29.04.2022 under the Chairmanship of worthy Chief Secretary Punjab in which it was decided that a DSR should be prepared for the guidance of all District Level Committees and their appointed consultants for the preparation of their respective DSRs. The DSR has been prepared in conformity with Notification No. S.O.3611 (E) dated 25th of July 2018, issued by the Ministry of Environment, Forest and Climate Change (MoEF & CC), Sustainable Sand Mining Management Guidelines, 2016, and Enforcement & Monitoring Guidelines for Sand Mining (EMGSM) January 2020, issued by the MoEF & CC.

Ministry of Environment, Forest and Climate Change published Notification No. 3611 (E), dt.25th July 2018 regarding the inclusion of Minerals other than Sand and the format for preparation of the DSR has been specified therein. Further, Sustainable Sand Mining Guidelines (SSMG), 2016 and Enforcement & Monitoring Guidelines for Sand Mining (EMGSM) January 2020, were issued by the Ministry of Environment, Forest and Climate Change in compliance of various orders/directions issued by the Hon'ble Supreme Court and Hon'ble NGT and also based on the reports submitted by various expert committees and investigation teams. This DSR has been prepared in conformity with the SO 3611 (E), and other sand mining guidelines published by MOEF & CC from time to time.

The purpose of DSR is to identify the mineral potential areas where mining can be allowed and also those areas where mining cannot be permitted due to proximity to infrastructure such as roads, bridges, railway lines, canals, etc., areas of erosion, areas of environmental sensitivities, etc. The DSR would also help to estimate the permissible annual extractable quantities of minor minerals based on the extent of available deposits, the annual rate of replenishment/depletion wherever applicable, and allow time for replenishment.

The DSR of Shahid Bhagat Singh Nagar (SBS Nagar) District (previously known as Nawanshahr) also describes the general geographical profile of the district, distribution of natural resources, livelihood, climatic condition and sources of revenue generation.



1 Introduction

1.1 Background and General information

1.1.1 Background

Whilst sand is a vitally important and essential requirement for all construction work and several other industries, its injudicious mining can lead to severe environmental problems. The deleterious effects of indiscriminate sand and gravel mining include the following:

- a) Extraction of bed material in excess of replenishment by transport from upstream causes the bed to lower (degrade) upstream and downstream of the site of removal.
- b) In-stream habitat is impacted by the increase in river gradient, suspended load, sediment transport, and sediment deposition. Excessive sediment deposition for replenishment increases turbidity which prevents penetration of light required for photosynthesis and reduces food availability of aquatic fauna.
- c) Riparian habitat including a vegetative cover on and adjacent to the riverbanks controls erosion, provides nutrient inputs into the stream, and prevents intrusion of pollutants in the stream through runoff. Bank erosion and change of morphology of the river can destroy the riparian vegetative cover.
- d) Bed degradation is responsible for channel shifting, causing loss of properties and degradation of the landscape; it can also undermine bridge supports, pipelines or other structures.
- e) Degradation may change the morphology of the riverbed.
- f) Degradation can deplete the entire depth of gravelly bed material, exposing other substrates that may underlie the gravel, which could in turn affect the quality of aquatic habitat. Lowering of the ground water table in the flood plain because of lowering of riverbed level as well as river water level takes place because of extraction and draining out of excessive ground water from the adjacent areas. So, if a floodplain aquifer drains into the stream, groundwater levels can be lowered as a result of bed degradation.
- g) Lowering of the water table can destroy riparian vegetation.
- h) Excessive pumping of ground water in the process of mining in abandoned channels depletes ground water causing scarcity of irrigation and drinking water.
- i) Un-scientific and unregulated sand and gravel mining tends to increase channel bank scouring and erosion. This causes a large degree of meandering of rivers.



- j) Rapid bed degradation may induce bank collapse and erosion by increasing the heights of banks.
- k) Polluting ground water by reducing the thickness of the filter material especially if mining is taking place at top of recharge fissures.
- l) Choking of the sand layer which acts as a filter for ingress of ground water from the river by dumping of finer material, compaction of filter zone due to movement of heavy vehicles. It also reduces the permeability and porosity of the filter material.
- m) Removal of sand and gravel from bars may cause downstream bars to erode if they subsequently receive less bed material than is carried downstream from them by fluvial transport.
- n) Ecological effects on bird nesting, fish migration, angling, etc.
- o) Indiscrete mining activities lead to increased concentration of suspended sediments in the river which in turn causes siltation of water resources projects.
- p) Un-scientific and unregulated sand and gravel mining lead to severe health hazards like air quality degradation and dust fog.
- q) Direct destruction from heavy equipment operation; discharges from equipment and refueling.
- r) Biosecurity and pest risks.

1.1.2 General Information

The District Survey Report of SBS Nagar District has been prepared as per the guide line of Ministry of Environment, Forests & Climate Change (MoEF & CC), Government of India vide Notification S.O.-1533(E) dated 14th Sept, 2006 and subsequent MoEF & CC Notification S.O. 141(E) dated 15th Jan, 2016. This report shall guide systematic and scientific utilization of natural resources, so that present and future generation may be benefitted at large. Further, MoEF & CC published a notification S.O. 3611(E) Dated 25th July, 2018 and recommended the format for District Survey Report.

The main objective of DSR is to identify the areas of aggradations or deposition where mining can be allowed; and identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited and estimation of annual rate of replenishment and allowing time for replenishment after mining in that area. The DSR would also help to calculate the annual rate of replenishment wherever applicable and allow time for replenishment. Besides the sand



mining, the DSR also include the potential development scope of in-situ minor minerals.

The objectives of the District Survey Report are as following:

1. Identification and Quantification of Mineral Resource and its optimal utilization.
2. To regulate the Sand Mining in the district Jalandhar, identification of site-specific end-use consumers and reduction in demand & supply gaps.
3. Use of information technology (IT) & latest scientific method of mining for surveillance of the sand mining at each step.
4. District Survey report shall enable appraisal and grant Environmental Clearance for cluster of Sand and Gravel Mines. It shall assist concern Department during post Environmental Clearance Monitoring.
5. To check and control the instance of illegal mining.
6. To control the flood in the area.
7. To maintain the livelihood of aquatic habitat.
8. To protect the incursion of ground water in the area. Limiting extraction of material in floodplains to an elevation above the water table generally disturbs more surface area than allowing extraction of material below the water table.
9. To keep accumulated data records viz. details of Mineral Resource, potential area, lease, approved mining plan, co-ordinates of a district at one place.
10. To maintain the records of revenue generation.

The following principles are to be kept in view whilst identifying the areas and extent of mining leases:

- i. In-stream extraction of RBM from below the water level of a stream generally causes more changes to the natural hydrologic processes than limiting extraction to a reference point above the water level.
- ii. In-stream extraction of RBM below the deepest part of the channel generally causes more changes to the natural hydrologic processes than limiting extraction to a reference point above the thalweg.
- iii. Excavating sand from a small straight channel with a narrow floodplain generally will have a greater impact on the natural hydrologic processes than excavations on a braided channel with a wide floodplain.
- iv. Extracting sand and gravel from a large river or stream will generally create less impact than extracting the same amount of material from a smaller river or stream.



The District Survey report (DSR) is comprised of secondary data published and endorsed by various departments and websites about geology of the area, mineral resources, climate, topography, land form, forest, rivers, soil, agriculture, road, transportation, irrigation etc. Data on lease and mining activities in the district, revenue etc. is collected and collated from concern district Head Quarter.

The Deputy Commissioner through its vide letter no. 905-39/SK, dated 09.05.2022 had constituted the sub-divisional committee to prepare the District Survey Report. List of the members of the sub-divisional Committee is shown below:

Structure of the Sub- Divisional Committee Constituted for preparation of the District Survey Report for Sand minerals of District SBS Nagar.

1. For Nawanshahr Sub- Division

- a) Sub- Division Magistrate Nawanshahr - Chairperson
- b) Environment Engineer PPCB, Nawanshahr - Member
- c) Executive Engineer, Irrigation, Bist. Doab Canal Division- Member
- d) Executive Engineer, Building and Roads, Nawanshahr - Member
- e) Executive Engineer, Phagwara Drainage Division, - Member
- f) Divisional Forest Officer, Nawanshahr - Member
- g) Chief Agriculture Officer, Nawanshahr - Member
- h) Block Development and Panchayat Officer, Nawanshahr, Aur - Member
- i) District Mining Officer, SBS Nagar - Member Secretary

2. For Balachaur Sub- Division

- a) Sub- Division Magistrate Balachaur - Chairperson
- b) Environment Engineer PPCB, SBS Nagar - Member
- c) Executive Engineer, Irrigation, Bist. Doab Canal Division- Member
- d) Executive Engineer, Building and Roads, Balachaur - Member
- e) Executive Engineer, Phagwara Drainage Division & Hoshiarpur Drainage Division - Member
- f) Divisional Forest Officer, Balachaur - Member
- g) Chief Agriculture Officer, SBS Nagar - Member
- h) Block Development and Panchayat Officer, Balachaur, Saroa - Member
- i) District Mining Officer, SBS Nagar - Member Secretary

3. For Banga Sub- Division

- a) Sub- Division Magistrate Banga - Chairperson
- b) Environment Engineer PPCB, SBS Nagar - Member
- c) Executive Engineer, Irrigation, Bist. Doab Canal Division- Member
- d) Executive Engineer, Building and Roads, Banga - Member
- e) Executive Engineer, Phagwara Drainage Division - Member
- f) Divisional Forest Officer, Banga - Member



- g) Chief Agriculture Officer, SBS Nagar - Member
h) Block Development and Panchayat Officer, Banga - Member
i) District Mining Officer, SBS Nagar - Member Secretary

1.2 Statutory Framework

a. Evolution of the Environmental Regulatory Framework:

Ministry of Environment, Forest and Climate Change (MoEF & CC) has published several notifications time to time to formulate and implement the District Survey Report (DSR) for every district. Statutory Framework and its legal aspect with respect to DSR are tabulated in Table 2.1.

Table 1.1: Requirement of District Survey Report & its year wise modification of Guidelines

Year	Particulars
1994	The Ministry of Environment, Forest & Climate Change (MoEF & CC) published Environmental Impact Assessment Notification 1994 which is only applicable for the Major Minerals more than 5 ha.
2006	In order to cover the minor minerals also into the preview of EIA, the MoEF & CC issued EIA Notification SO 1533 (E), dated 14th September 2006, made mandatory to obtain environmental clearance for both Major & Minor Mineral more than 5 Ha.
2012	Further, Hon'ble Supreme Court wide order dated the 27th February, 2012 in I.A. No.12- 13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009, in the matter of Deepak Kumar etc. Vs. State of Haryana and Others etc., ordered that "leases of minor minerals including their renewal for an area of less than five hectares be granted by the States/Union Territories only after getting environmental clearance from MoEF"; and Hon'ble National Green Tribunal, order dated the 13th January, 2015 in the matter regarding sand mining has directed for making a policy on environmental clearance for mining leases in cluster for minor Minerals.
2016	The MoEF&CC in compliance of above Hon'ble Supreme Court's and NGT'S order has prepared "Sustainable Sand Mining Guidelines (SSMG), 2016" in consultation with State governments, detailing the provisions on environmental clearance (EC) for cluster, creation of District Environment Impact Assessment Authority, preparation of District survey report and proper monitoring of minor mineral. There by issued Notification dated 15.01.2016 for making certain



Year	Particulars
	amendments in the EIA Notification, 2006, and made mandatory to obtain EC for all minor minerals. Provisions have been made for the preparation of District survey report (DSR) of River bed mining and other minor minerals.
2018	MoEF& CC published a notification S.O. 3611(E) Dated 25th July, 2018 and recommended the format for District Survey Report. The notification stated about the objective of DSR i.e. "Identification of areas of aggradations or deposition where mining can be allowed; and identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited and calculation of annual rate of replenishment and allowing time for replenishment after mining in that area".
2019	The main objective of Sand Mining Policy, 2019 to ensure that sand mining is done in an environmentally sustainable manner, to ensure availability of adequate quantity of sand, to increase the number of settles to ensure generation of employment.
2020	Enforcement & Monitoring Guidelines for Sand Mining (EMGSM) 2020 has been published modifying Sustainable Sand Mining Guidelines, 2016 by MoEF & CC for effective enforcement of regulatory provisions and their monitoring. The EMGSM 2020 directed the states to carry out river audits, put detailed survey reports of all mining areas online and in the public domain, conduct replenishment studies of river beds, constantly monitor mining with drones, aerial surveys, ground surveys and set up dedicated task forces at district levels. The guidelines also push for online sales and purchase of sand and other riverbed materials to make the process transparent. They propose night surveillance of mining activity through night-vision drones.
Feb, 2021	Hon'ble NGT vide its orders dated 26.02.2021 in OA No 360 of 2015 has stressed the importance of preparation of scientific DSRs through NABET / QCCI approved consultants and getting the same appraised/approved from SEAC and SEIAA respectively. The orders direct that regular monitoring of all mining leases is to be conducted through a 5-member team headed and coordinated by SEIAAs in each state. The modalities to be followed and penalties to be imposed in cases of illegal mining as also the procedure for periodic review at all levels are also laid down in these important orders of the



Year	Particulars
	Hon'ble NGT.
Nov, 2021	Hon'ble Supreme Court of India vide its orders dated 10.11.2021 in Civil Appeal No(s) 3661-62 has partially amended the above orders dated 26.02.2021 of the Hon'ble NGT and directed that fresh DSRs are to be prepared for mining of minor minerals in all Districts by a team of sub-Divisional officers in accordance with the EMGSM 2020 Guidelines of the MOEF&CC and the said DSRs are to be got appraised/approved from SEAC / SELAA in a time-bound manner of 6 weeks each.

1.3 Methodology adopted of DSR Preparation

The steps followed during the preparation of District Survey Report are given in Figure 1.1. The individual steps are discussed in following paragraphs.



Figure 1.1: Steps followed in preparation of DSR

1.3.1 Data source Identification

District Survey Report has been prepared based on the Primary data base and secondary data base collated from different sources. This is very critical to identify authentic data sources before collating the data set. The secondary data sources which are used in DSR are mostly Government published data based or the published report in reputed journal. District profile has been prepared based on the District Statistical handbook published by Punjab Government as well as District Census 2011. Potential mineral resources have been described based on GSI or any other govt. agencies work done. Mining lease details and the revenue generated from minor minerals has been prepared based on available data from DL&LRO offices of the district. Satellite image has been used for map preparation related to physiography and land utilization pattern of the district.

1.3.2 Data Analysis and Map preparation

Dataset which are captured during the report preparation, are gone through detail analysis work. District Survey Report involves the analytical implication of captured dataset to prepare relevant maps. Methodology adopted for preparation of relevant maps is explained below.



Land Use and Land Cover Map: Land Use and Land Cover classification is a complex process and requires consideration of many factors. The major steps of image classification may include determination of a suitable classification system via Visual Image Interpretation, selection of training samples, Satellite image (FCC-False Colour Composite) pre-processing, selection of suitable classification approaches, post-classification processing, and accuracy assessment.

Here LANDSAT 8 satellite Imagery has been taken for Supervised Classification as supervised classification can be much more accurate than unsupervised classification, but depends heavily on the number of training sites, the processing the image, and the spectral distinctness of the classes in broader scale.

The LANDSAT data was applied in band 5,4 and 3 combination for FCC which distinctively shows sand deposits and bare soils in white color and vegetation pattern in reddish tone. The Urban settlements and composite man-made structures are in tones of bluish grey to grey. Based on these observations the training set data are utilized for supervised classification. The classes of land use thus obtained provides the LULC map. The LULC class provides the location and area of the region of interest.

The FCC map of SBS Nagar district is presented on **Figure 1.2**.



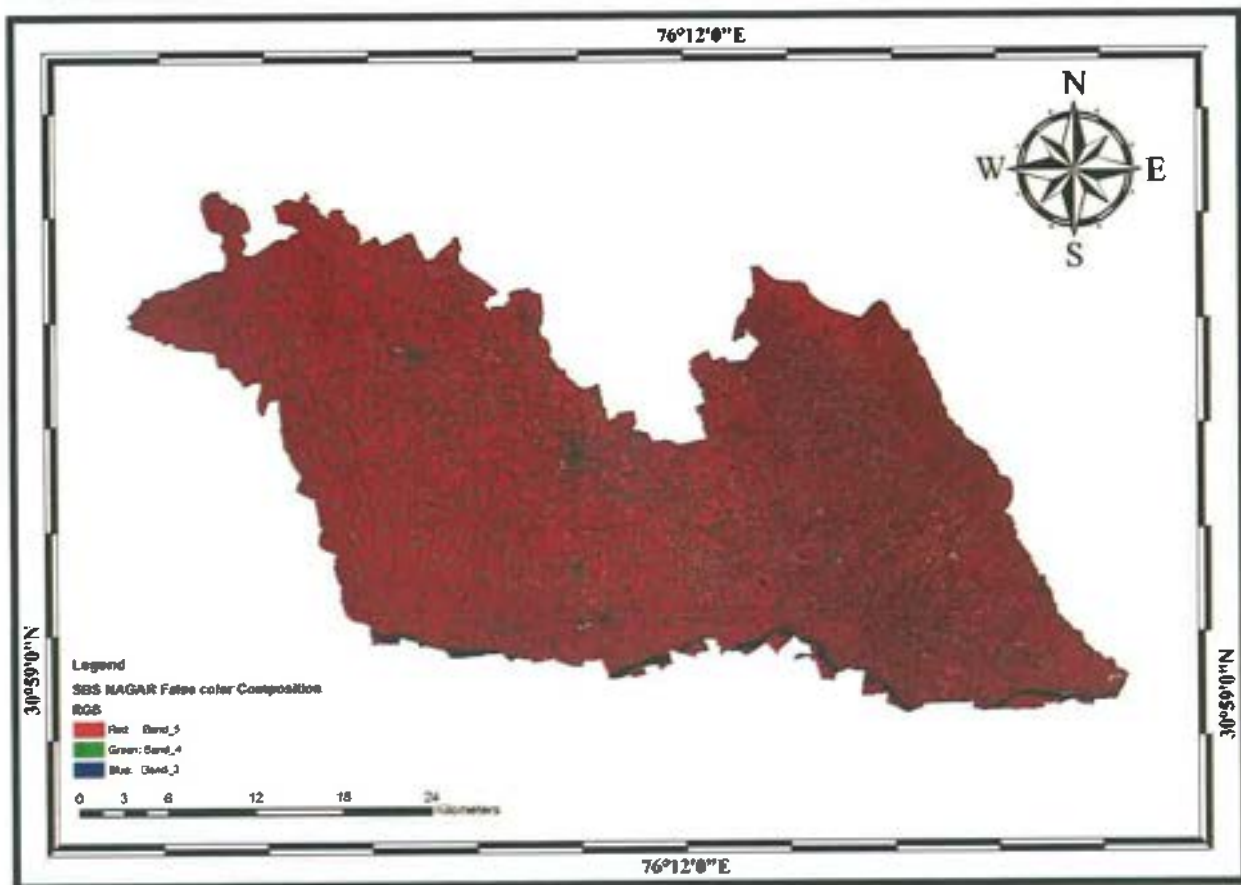




Figure No: 1-2: Landsat 8 data False Color Composite (5 4 3)
 (Source: Landsat 8 Earth Explorer ([usgs.gov](https://earthexplorer.usgs.gov))/<https://earthexplorer.usgs.gov>)

According to the Visual Image Interpretation (Tone, Texture, Colour etc.) training set of the pixel has been taken. Pictorial descriptions of Land Use classification are explained in Figure 1.3

	
<p>Agricultural Land - Based on their Geometrical shape, Red and Pink colour tone, Agricultural Land has been identified.</p>	<p>Vegetation Covered Area - Based on their continuous Red colour tone, Vegetation Covered Area has been identified.</p>





	
<p>Agricultural Fallow Land - Based on their Geometrical shape, Light and dark cyan with light pink colour tone, Agricultural Land has been identified.</p>	<p>Bad Land Topography- Light Yellowish mixed with cyan colour has been identified as Bad Land Topography.</p>
	
<p>Settlement – Area with Cyan Colour including geometrical shape has been recognised as Settlement Area.</p>	<p>Water Bodies – Dark blue colour has been classified as Water Bodies.</p>

Figure 1.3: Pictorial description of Land Use Classification methods

The classified LULC map of SBS Nagar region is provided in **Figure 1.4**

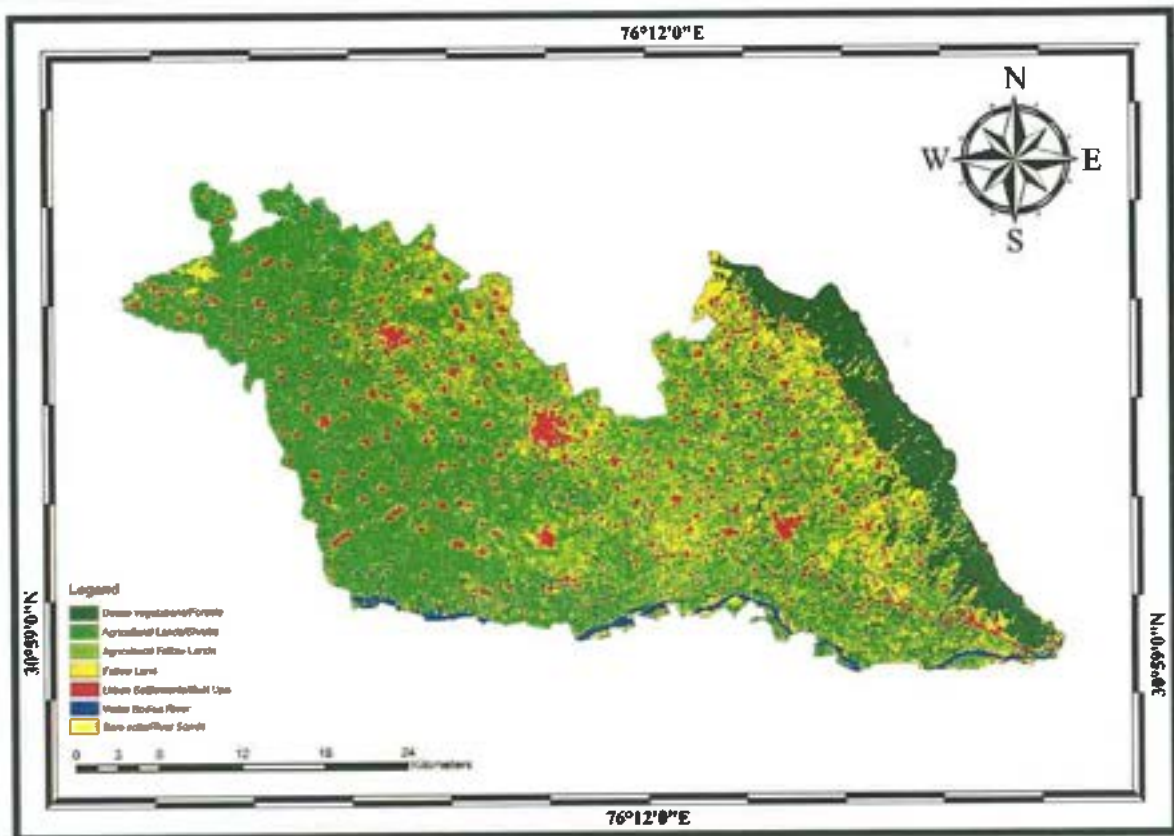


Figure: 1.4: Land Use Land Class map (LULC) of SBS Nagar district based on Landsat 8

(Source: Landsat 8 Earth Explore(usgs.gov)<https://earthexplorer.usgs.gov>)

Pictorial descriptions of Geomorphological unit's classification are explained in **Figure 1.5.**

Geomorphological Map:

The major steps of preparing Geomorphological Map is identifying features like – Alluvial Fan, Alluvial Plain, Hilly Region etc. from Satellite Imagery (FCC-False Colour Composite) via Visual Image Interpretation and then digitization has been taken into the consideration to prepare map including all the Geomorphological features according to their location.



Alluvial Plain- In satellite Imagery the flat land has been identified as Alluvial Plain just below the Alluvial Fan.

Alluvial Fan – A fan-based deposition formed by stream where the velocity is abruptly decreased. In satellite Imagery this has been identified just below the hilly region.

Figure 1.5: Pictorial description of Geomorphological Units Classification methods

Physiographical Map:

The major step of preparing Physiographical Map is generating contour at a specific interval to show the elevation of the area using Cartosat DEM.

The Geomorphological map of the SBS Nagar district is presented in the **Figure 1.6**

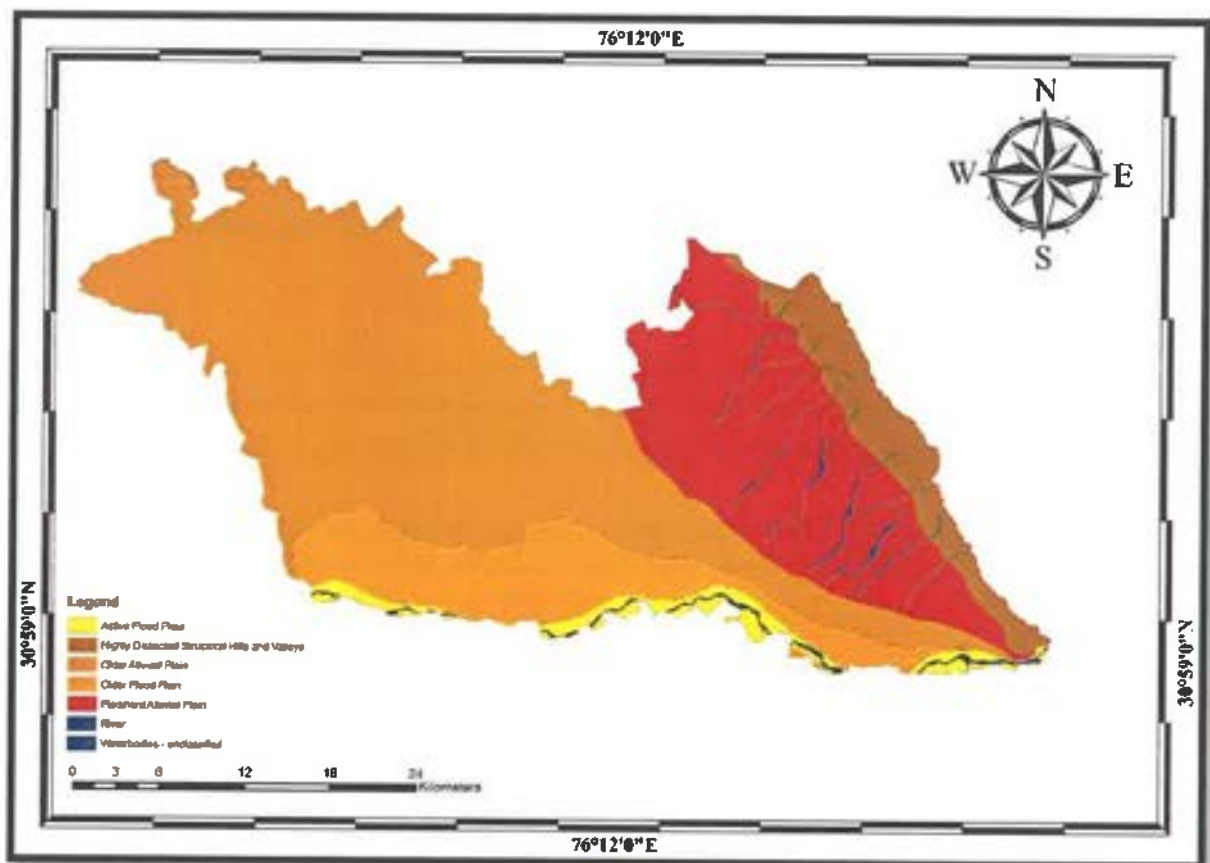


Figure No: 1.6: Geomorphological map of the SBS Nagar district

Source: Bhukosh, GSI, Bhukosh - Geological Survey of India (<https://bhukosh.gsi.gov.in>)

Block Map:

- Raw Data collected from **National Informatics Centre (NIC Website)**.
- Data has been geo-referenced using GIS software.
- Digitization of block boundary, district boundary, state boundary and district headquarter, sub –district headquarter, places, road, railway, river, nala etc.

- Road name, River name, Railway name has been filled in attribute table of the Layers
- Final layout has been prepared by giving scale, legend, north arrow, etc.

Transportation Map:

- Raw Data collected from **National Informatics Centre (NIC Website)**.
- Data has been geo-referenced using GIS software.
- Digitization of block boundary, district boundary, state boundary and district headquarter, sub –district headquarter, places, road, railway, river, nala etc.
- Road name, River name, Railway name has been filled in attribute table of the Layers
- Final layout has been prepared by giving scale, legend, north arrow, etc.

Drainage Map:

- Raw Data collected from **National Informatics Centre (NIC Website)**.
- Data has been geo-referenced using GIS software.
- Digitization of block boundary, district boundary, state boundary and district headquarter, sub –district headquarter, places, road, railway, river, nala etc.
- Road name, River name, Railway name has been filled in attribute table of the Layers
- Final layout has been prepared by giving scale, legend, north arrow, etc.

Seismic Map:

- Raw data collected from **Ministry of Earth Science**.
- Data has been geo-referenced using GIS software.
- Digitization of Earthquake zone and superimposed it over Block Boundary.
- Zone name has been filled in attribute table of the Layers
- Final layout has been prepared by giving scale, legend, north arrow, etc.

Soil Map:

- Raw data collected from **National bureau of soil survey and land use planning**.
- Data has been geo-referenced using GIS software.
- Digitization of Soil classification zone and superimposed it over District Boundary.
- Soil classification has been filled in attribute table of the Layers.
- Final layout has been prepared by giving scale, legend, north arrow, etc.

Wildlife Sanctuary and National Park Location Map:

- Raw data collected from **ENVIS Centre on Wildlife & Protected Areas**.
 - Data has been geo-referenced using GIS software.
 - Digitization of Wildlife Sanctuary & National Park and superimposed it over Block Boundary.
 - Wildlife Sanctuary & National Park name has been filled in attribute table of the Layers
- Final layout has been prepared by giving scale, legend, north arrow, etc.



1.3.3 Primary Data Collection

To prepare DSR, capturing primary data or field data has also been carried out in the district. Field study involves assessment of the mineral resources of the district by means of pitting / trenching in specific interval. This provides clear picture of mineral matters characterization and their distribution over the area.

1.3.4 Replenishment study

One of the principal causes of environmental impacts from in-stream mining is the removal of more sediment than the system can replenish. It is therefore need for replenishment study for river bed sand in order to nullify the adverse impacts arising due to excess sand extraction. The annual rate of replenishment carried out on every river of the district to have proper assessment of the sand reserve for mining purposes.

Physical survey has been carried out by GPS/DGPS/Total Station to define the topography, contours and offsets of the riverbed. The surveys clearly depict the important attributes of the stretch of the river and its nearby important civil and other feature of importance. This information will provide the eligible spatial area for mining.

1.3.5 Report Preparation

The district survey report portrays general profile, geomorphology, land use pattern and geology of the district. The report then describes the availability and distribution of riverbed sands and other minor minerals in the district. Apart from delineation the potential mining blocks, the report also includes inventorization of the minerals, recent trends of production of minor minerals and revenue generation there from. Annual replenishment of the riverbed sand has been estimated using field observation, satellite imagery and empirical formula. The road network connecting arterial road to potential mining blocks has been identified. Potential environmental impacts of mining of these minerals, their mitigation measures along with risk assessment and disaster management plan have also been discussed. Finally, the reclamation strategy for already mined out areas is also chalked out.

1.3.6 Demand and Supply of Sand

Sand is a multi-purpose topographical material. It is known as one of the three fundamental ingredients in concrete. The composition of sand is diverse.

The robustness of sand has played a significant role in everyday life. We use sand practically every other day.

Sand extraction from river beds are the main mining activities in the district. With a spurt in construction of real estate sectors and various govt. sponsored projects, the demand for sand has increased manifold.

In the real world, there are a lot of situations where we can find uses/demand of sand. Followings are the common sand uses.

1. While bunging metal, we can mix sand with clay binder for frameworks used in the foundries.



2. Sand can be used for cleaning up oil leak or any spill by dredging sand on that spill. The material will form clumps by soaking up, and we can quickly clean the mess.
3. Sand can be used as a road base which is a protective layer underneath all roads
4. Industrial sand is used to make glass, as foundry sand and as abrasive sand.
5. One creative usage of sand is serving as a candle holder. We can try putting some sand before pouring tea light or any candle in a glass. It holds the candle still and refrain the candle from rolling by giving it an excellent decoration.
6. Adds texture and aesthetic appeal to space.
7. Sand is mostly pure to handle, promptly available and economically wise.
8. We use sand in aquariums, fabricating artificial fringing reefs, and in human-made beaches
9. Sandy soils are ideal for growing crops, fruits and vegetables like watermelon, peaches, peanuts, etc.
10. Sand can light a path by filling mason jars with sand and tea light which is another inexpensive way to make a walkway glow.
11. Sand helps to improve resistance (and thus traffic safety) in icy or snowy conditions.
12. We need sand in the beaches where tides, storms or any form of preconceived changes to the shoreline crumble the first sand.
13. Sand containing silica is used for making glass in the automobile and food industry- even household products for the kitchen.
14. Sand is a strong strand which is used for plaster, mortar, concrete, and asphalt.

Sand extracted from SBS Nagar district is used extensively in construction works ranging from individuals to organized corporate and government sectors.



2 Overview of Mining activities in the District

2.1 Overview

SBS Nagar district holds a distinct place in the state on account of its strategic geographical location and the availability of minor mineral resources from the bed of Rivers Sutlej etc.

Mining of sand/gravel is being done for a long time and no specific method of exploration is therefore required as the sand/Gravel, deposited all along the bed is very well exposed on the surface. The replenishment of the excavated minerals takes place each year during the rainy season with the extent of replenishment depending on the intensity of rains in the catchment area as also the extent and characteristics of the catchment area. Adequate quantities of sand/gravel are available in reserves of SBS Nagar District to meet the consumer demand.

Sand and Gravel are the main Minor Minerals required for any type of construction (apart from cement and steel). With the increasing population and construction of more pucca houses instead of the earlier practice of mud dwellings, the demand for sand and gravel has been rising inexorably over the last few decades and this trend will continue in the foreseeable future too.

2.2 Mining leases with Location, area and period of validity in SBS Nagar District

The list of Mining leases with Location, area, and period of validity in the SBS Nagar District is given in Table-2.1

Table 2.1: Existing Mining Leases in SBS Nagar District

Sr. No.	Name of Quarry	Location		Area (in ha)	Production (Tonnes)	Validity of EC
		Latitudes	Longitudes			
1	Arzi Derya Bramd RAIL	30°58'52.40" N	76°26'4.47" E	4.90	127422	05.11.2027
		30°58'52.34" N	76°26'12.03" E			
		30°58'54.22" N	76°26'12.13" E			
		30°58'54.32" N	76°26'17.18" E			
		30°58'56.17" N	76°26'17.24" E			
		30°58'56.16" N	76°26'18.55" E			
		30°58'54.15" N	76°26'18.46" E			
		30°58'54.17" N	76°26'22.24" E			
		30°58'52.21" N	76°26'22.12" E			
		30°58'52.18" N	76°26'17.17" E			
		30°58'50.30" N	76°26'16.99" E			
		30°58'50.33" N	76°26'12.01" E			
		30°58'48.47" N	76°26'11.95" E			

District Survey Report
SBS Nagar District
Punjab

Sr. No.	Name of Quarry	Location		Area (in ha)	Production (Tonnes)	Validity of EC
		Latitudes	Longitudes			
		30°58'48.63'' N	76°26'4.46'' E			
2	Begowal	PIT 1 31°0'33.19"N 31°0'33.09"N 31°0'31'.17"N 31°0'31'.24"N PIT 2 31°0'33.07"N 31°0'33.09"N 31°0,31'23"N 31°0,31'22"N PIT 3 31°0'33.09"N 31°0'33.05"N 31°0'28.30"N 31°0'28.73"N	PIT 1 75°59'31.03"E 75°59'33.56"E 75°59'33.41"E 75°59'31.03"E PIT 2 75°59'36.03"E 75°59'38.59"E 75°59'38.53"E 75°59'36.04"E PIT 3 75°59'.41.10"E 75°59'.43.65"E 75°59'.43.56"E 75°59'.41.08"E	1.42	9504	Up to 04/05/2022
3	Burj Tehal Das	31°0'46.85"N 31°0'47.41"N 31°0'47.08"N 31°0'43.19"N 31°0'42.99"N 31°0'37.20"N 31°0'37.36"N 31°0'39.19"N 31°0'39.29"N 31°0'43.11"N 31°0'43.19"N 31°0'35.39"N 31°0'35.53"N 31°0'39.31"N 31°0'39.40"N 31°0'43.25"N 31°0'43.28"N 31°0'31.24"N 31°0'31.37"N 31°0'33.17"N 31°0'33.21"N 31°0'29.42"N 31°0'29.39"N	75°58'7.73"E 75°58'8.62"E 75°58'32.96"E 75°58'33.09"E 75°58'43.10"E 75°58'43.15"E 75°58'30.49"E 75°58'30.46"E 75°58'27.95"E 75°58'27.93"E 75°58'17.82"E 75°58'17.72"E 75°58'12.78"E 75°58'12.74"E 75°58'10.26"E 75°58'10.25"E 75°58'7.78"E 75°58'2.61"E 75°58'7.59"E 75°58'7.67"E 75°58'10.19"E 75°58'10.18"E 75°58'7.57"E	21.50	100310	Up to 30/01/2021

(Source: Executive Engineer cum district Mining Officer, SBS Nagar)



2.2.1 Details of Royalty or Revenue Received in Last Three Years (In Rs.)

Revenue generated for last 3 years in the district is furnished in Table 2.2.

Table 2.2: District revenue generation from mineral sector

Name of Minerals	2020-2021	2021-2022	2022-2003
Sand	25347263	118127022	166092636
Total(Rs.)	25347263	118127022	166092636

(Source: Executive Engineer cum district Mining Officer, SBS Nagar)

2.2.2 Details of Production of Sand or Bajri in Last Three Years (In Tonnes)

Last 3 years production of minor mineral of the district is furnished in Table 2.3.

Table 2.3: Details of production of sand as per mine plan in the district

Name of Minerals	2020-2021	2021-2022	2022-2003
Sand	107290 MT	577253 MT	890126 MT
Total	107290 MT	577253 MT	890126 MT

(Source: Executive Engineer cum district Mining Officer, SBS Nagar)



3 Process of Deposition of Sediments in the rivers of the District

3.1 Introduction

Water action is the major agency responsible for erosion, transportation, and deposition of sand/gravel and aggregates. Sutlej River is the source of most of the sand/gravel and associated aggregates in the district. The passage of these rivers in the district is initially through sandy and clay stone gravel-rich terrain, where erosion of country rocks and transportation may be high but may not result in high deposition of sand/gravel.

Energy, environment, and time are the three factors which determine the process of sediment transportation and deposition by streams. Thus, when insufficient energy is available to transport the existing sediment load (due to reduction in velocity or volume of water), a part of the material can no longer be transported and is hence deposited. Similarly, geomorphological factors such as the configuration or shape of the channel also affect the process of sediment transportation. Uneven surface of the channel checks the velocity and hence causes deposition. The time factor actually operates through a combination of the above two factors. The deposits that are laid down by running water are called alluvial, fluvial or fluvatile deposits. They vary greatly in size, shape and mode of origin.

3.2 Annual deposition factor

Annual deposition of riverbed materials depends on various factors, such as process of deposition, mode of sediment transport, sediment transport rate, sedimentation yield of the river.

1. Process of deposition

Deposition is the processes where material being transported by a river is deposited. Deposition occurs when the forces responsible for sediment transportation are no longer sufficient to overcome the forces of gravity and friction, creating a resistance to motion; this is known as the null-point hypothesis. This can be when a river enters a shallow area or towards its mouth where it meets another body of water.

The principle underlying the null point theory is due to the gravitational force; finer sediments remain in the water column for longer durations allowing transportation outside the surf zone to deposit under calmer conditions. The gravitational effect or settling velocity determines the location of deposition for finer sediments, whereas a grain's internal angle of friction determines the deposition of larger grains on a shore profile.



Deposition of non-cohesive sediments: Large-grain sediments transported by either bedload or suspended load will come to rest when there is insufficient bed shear stress and fluid turbulence to keep the sediment moving; with the suspended load this can be some distance as the particles need to fall through the water column.

Deposition of cohesive sediments: The cohesion of sediment occurs with the small grain sizes associated with silts and clays, or particles smaller than 4Φ on the phi scale. If these fine particles remain dispersed in the water column, Stokes law applies to the settling velocity of the individual grains. The face of a clay platelet has a slight negative charge where the edge has a slight positive charge when two platelets come into close proximity with each other the face of one particle and the edge of the other are electrostatically attracted, and then have a higher combined mass which leads to quicker deposition through a higher fall velocity.

2. Mode of sediment transport in rivers

Sediment transport in rivers provides a dynamic linkage between flow and channel form. Mainly there are three processes by which sediment load is transported and these are rolling or traction, in which the particle moves along a sedimentary bed but is too heavy to be lifted from it; saltation; and suspension, in which particles remain permanently above the bed, sustained there by the turbulent flow of the water.

Another name for sediment transport is sediment load. The total load includes all particles moving as bedload, suspended load, and wash load.

Bed load: Bedload is the portion of sediment transport that rolls, slides or bounces along the bottom of a waterway. This sediment is not truly suspended, as it sustains intermittent contact with the streambed, and the movement is neither uniform nor continuous. Bedload occurs when the force of the water flow is strong enough to overcome the weight and cohesion of the sediment. While the particles are pushed along, they typically do not move as fast as the water around them, as the flow rate is not great enough to fully suspend them. Bedload transport can occur during low flows (smaller particles) or at high flows (for larger particles). Approximately 5-20% of total sediment transport is bedload. In situations where the flow rate is strong enough, some of the smaller bedload particles can be pushed up into the water column and become suspended.

Suspended load: While there is often overlap, the suspended load and suspended sediment are not the same thing. Suspended sediment are any particles found in the water column, whether the water is flowing or not. The suspended load, on the other hand, is the amount of sediment carried downstream within the water column by the water flow. Suspended loads require moving water, as the water flow creates small upward currents (turbulence) that keep the particles above the bed. The size of the



particles that can be carried as suspended load is dependent on the flow rate. Larger particles are more likely to fall through the upward currents to the bottom, unless the flow rate increases, increasing the turbulence at the streambed. In addition, suspended sediment will not necessarily remain suspended if the flow rate slows.

Wash load: The wash load is a subset of the suspended load. This load is comprised of the finest suspended sediment (typically less than 0.00195 mm in diameter). The wash load is differentiated from the suspended load because it will not settle to the bottom of a waterway during a low or no flow period. Instead, these particles remain in permanent suspension as they are small enough to bounce off water molecules and stay afloat. However, during flow periods, the wash load and suspended load are indistinguishable.



4 General Profile of the district

4.1 Profile of the District

Nawanshahr district, located in the eastern part of the Punjab State, forms a part of the Bist-Doab region. Geographically, it lies between North latitudes of 30°48'45" and 31°16'15" and East longitudes of 75°46'00" and 76°26'30" covering a geographical ambience of 1190 sq.km. The district is bounded by Hoshiarpur district in the north, Siwalik Hills in the northeast, Sutlej River in the south, Kapurthala district in the northwest and Jalandhar in the west. Nawanshahr district was carved out of Hoshiarpur and Jalandhar districts of Punjab in November 7, 1995 on the auspicious occasion of birthday of Sh. Guru Nanak Dev Ji as the sixteenth district of Punjab State. The name of the district was changed to "Shahid Bhagat Singh Nagar", to conclude the Birth Centenary celebrations of the great martyr Sardar Bhagat Singh, on 27/09/2008.

Source:(http://cgwb.gov.in/District_Profile/Punjab/Nawanshahr.pdf)

A location map of SBS Nagar District is furnished as Figure 4.1.



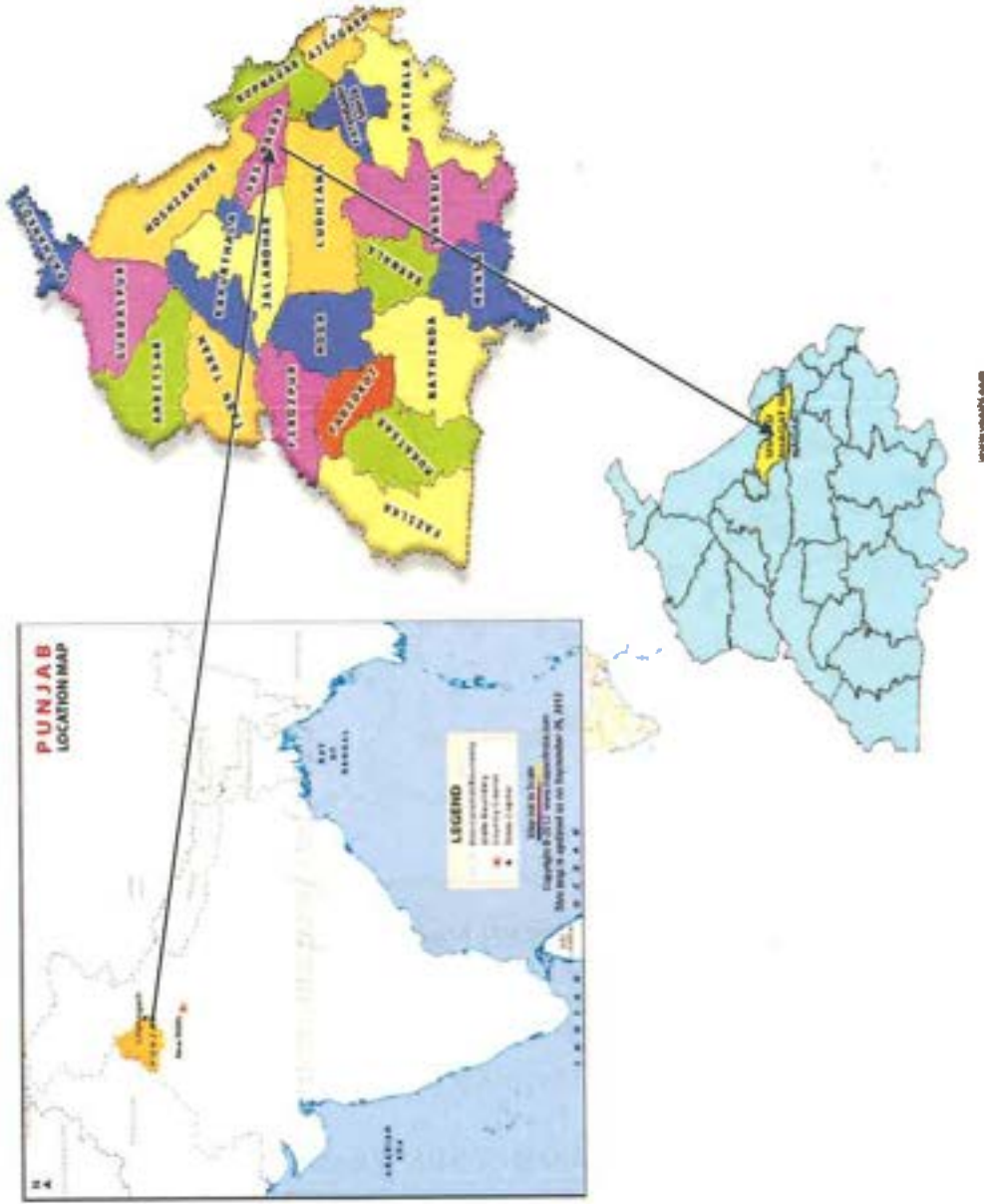


Figure 4.1: Location map of SBS Nagar district, Punjab



4.2 Administrative Setup of District

Nawanshahr district is divided into 3 tehsils namely Nawanshahr, Balachaur and Banga comprising five-development block. There are 9 towns, 471 villages and 462 Panchayats. The Shahid: Bhagat Singh Nagar district is one of the smaller districts of Punjab and is having an area of 1267 Sq. Km.

Source: (<https://SBS Nagar.nic.in>)

A Block map of SBS Nagar District is furnished as Figure 4.2.

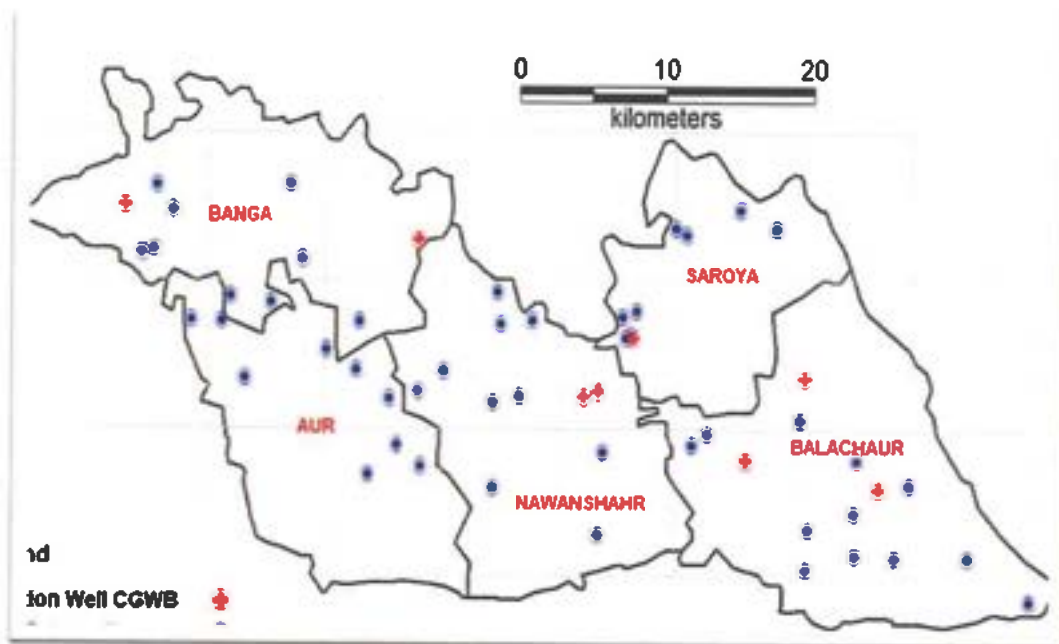


Figure 4.2: Block map of SBS Nagar District, Punjab

(Source: Central Ground Water Board Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India)

Detail of Blocks of SBS Nagar District is furnished in Table 4.1.

Table 4.1: Details of Block of SBS Nagar District

Block Name	Area_Sq.Km
AUR	218.50
BALACHAUR	378.50
BANGA	232.40
NAWAN SHAHR	330.20
SAROYA	165.80

(Source: Central Ground Water Board Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India)



4.3 Land utilization Pattern of the District

The main classes are Built Up land, Agricultural land, forestland, Land under non agriculture use, and water body. The land use pattern of SBS Nagar District, Punjab is given in Table 4.3.

Table 4.2: Land Use details of SBS Nagar (2010-2011) Districts

Land Use	Area(hectares)
Total area	119000
Forest Area	16000
Barren and uncultivable land	1000
Land under non-agricultural use	11000
Misc. (Cultivable waste & Fallow land)	00
Net area sown	97000
Area sown more than once	86000
Total cropped area	183000

(Source: Brief Industrial Profile of District SBS Nagar)

4.4 Floods in Punjab

Floods are one of the major natural disasters in the state of Punjab (Figure 4.3). Punjab is the land of 5 rivers and the rivers play an important role in the development of agriculture and the economy of the state. But at the same time, the rivers cause floods and floods cause loss of human life and widespread property damage.

More than five hundred persons have died due to floods in Punjab from 1990 to 2010. The floods affect the northern part of the state more than its southern part. The areas I close proximity of the rivers Ravi, Beas, Sutlej, and Ghagghar are the most vulnerable areas from a flood point of view. Floods occur mostly in the monsoon season (July- September) on account of heavy rainfall in the catchment area as well as in the plain area of the State.



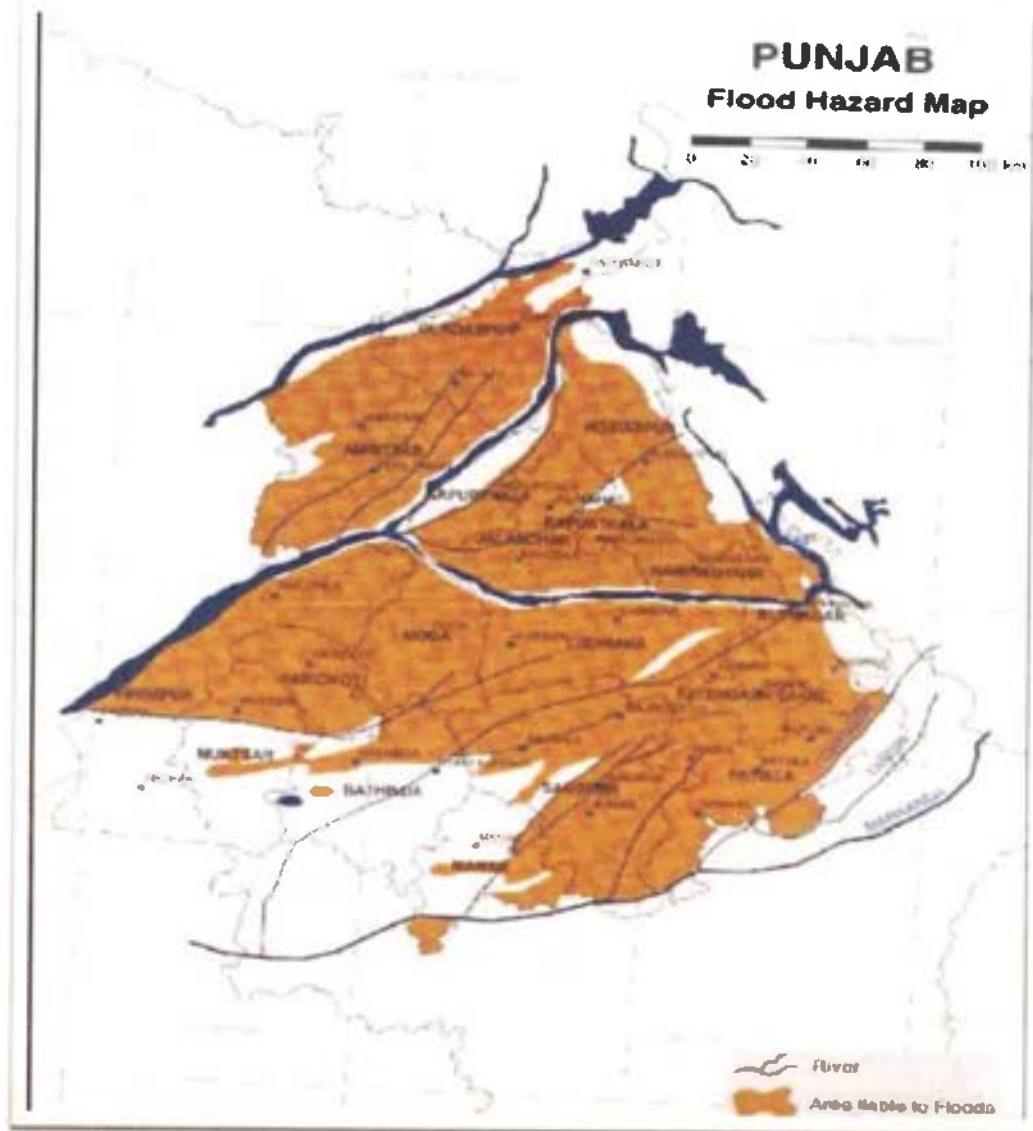


Figure 4.3: Flood Prone districts of Punjab
(Source: http://ijrar.com/upload_issue/ijrar_issue_20543127.pdf)

4.5 Demography

According to the Census (2011), SBS Nagar district has a population of **6,01,296**, (3,07,811males and 2,93,485females) (Figure 4.4). The total area of SBS Nagar district is 1267km². Thus the density of SBS Nagar district is 478 people per square kilometer.

The population of children between age 0-6 is 62719, which is 10.0% of the total population. The sex ratio of Females is 954 per thousand males in the SBS Nagar district. The average literacy rate of SBS Nagar district is 79.78%.

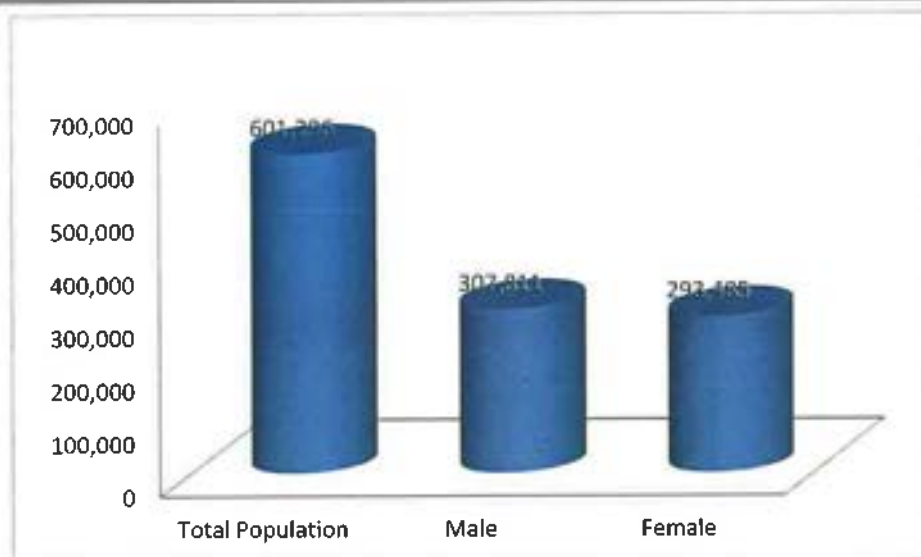


Figure 4.4: Graphical distribution of population distribution of SBS Nagar District

a) Cropping pattern

Punjab is a fertile land of five rivers which are Sutlej, Beas, Ravi, Jhelum and Chenab (all 5 being tributaries of the Indus River). This makes the agriculture of Punjab rich and diverse. Wheat, paddy, and maize are the major cereal crops.

The district forms a part of Indo-Gangetic alluvial plain. The area can be grouped into 2 units-alluvial fan and alluvial plains. Alluvial fans are mainly found in the foothills deposited by hill torrents. These alluvial fans coalesced to form Kandi formation and Sirowal formation, which runs parallel to Siwaliks. Agriculture constitutes the main source of economy and most of the area is fertile. SBS Nagar district is quite suitable cultivation of Paddy, Maize, Sarson, Sugarcane, Wheat, Arhar, Gram, Sesame etc.

4.6 Land Form and Seismicity

As per the Earthquake Zonation map, Punjab lies in a downwarp of the Himalayan foreland, of variable depth, converted into flat plains by long-vigorous sedimentation. This is known as a geosyncline. This has shown considerable amounts of flexure and dislocation at the northern end and is bounded on the north by the Himalayan Frontal Thrust. The floor of the trough (if seen without all the sediments) is not plain and shows corrugated inequalities and buried ridges (shelf faults). Much of Punjab lies in the Punjab Shelf, bounded on the east by the Delhi-Haridwar Ridge and on the south by the Delhi-Lahore Ridge. Most earthquakes in this region are shallow though a few earthquakes of intermediate-depth have been recorded in Punjab. However, it must be stated that proximity to faults does not necessarily translate into a higher hazard as compared to areas located further away since the



damage from earthquakes depends on numerous factors such as subsurface geology as well as adherence to the building codes.

The districts of Firozpur, Faridkot, Patiala, Mansa, Sangrur, and Bhatinda are in Earthquake Zone III. The districts of Amritsar, Gurdaspur, Hoshiarpur, Jalandhar, Kapurthala, Ludhiana, and Rupnagar are in Earthquake Zone IV. SBS Nagar comes under India's seismic zone-IV (Figure 4.5).

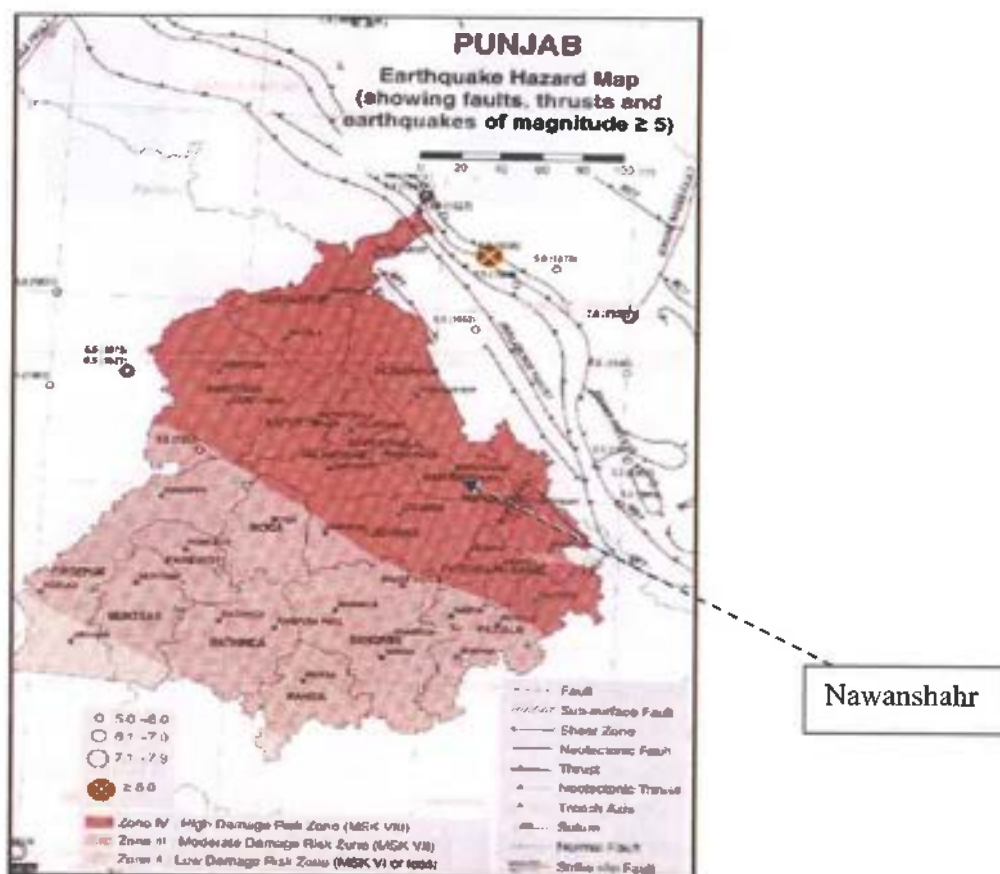


Figure 4.5: Earthquake zonation map of Punjab highlighting the Nawanshahr district

Source: Earthquake Hazard Map of Punjab (<http://punenvis.nic.in>)

4.7 Flora and Fauna

The plains in the state of Punjab have very few block forests, with most of the tree cover being in the form of "strip forests" alongside the vast network of roads, rails, canals, drains, bunds etc. The "Block" forest cover in Punjab is mainly located in the sub-mountainous "Kandi" tract along the Northern boundary of the state adjoining Himachal Pradesh. Though this sub-mountainous Kandi tract is only 2 % of the geographical area of Punjab, it has a significant role to play in regulating the hydrology of the state. During the 1950s extensive deforestation in this ecologically sensitive tract resulted in severe soil erosion and numerous flash floods in the plains below. Since the last few decades, several important Afforestation and Soil



Conservation Projects have been undertaken in this region. Resultantly, the green cover has improved considerably and soil erosion/floods have also reduced significantly. A number of earthen dams for flood prevention and for providing irrigation to crops have performed well and these have also contributed to the reclamation of considerable land which was earlier non-arable on account of frequent floods.

Fabaceae is the most dominant family in Punjab with 60 species followed by Asteraceae (33), Poaceae (29), Euphorbiaceae (20), Amaranthaceae (18), Cucurbitaceae and Solanaceae (17 each). Amongst all the recorded species, 255 are herbs, 65 shrubs, 85 trees and 59 climbers. Six species have been added to the flora of Punjab.

4.7.1 Major Flora of district SBS Nagar

The average annual rainfall in the SBS Nagar district is 924 mm. Common trees include Mango, Guava, Kinnow, Pear, Peach, Litchi, Ber, Neem, Shahtoot, Poplar and Shisham. etc.

4.7.2 Fauna

A map showing Wildlife Protect areas in SBS Nagar District are furnished which depicts there is no Wildlife Protect area in SBS Nagar District. Common avifauna includes Common Crow, Sparrow, Parrot, Babbler, Mayna and Pigeon etc.



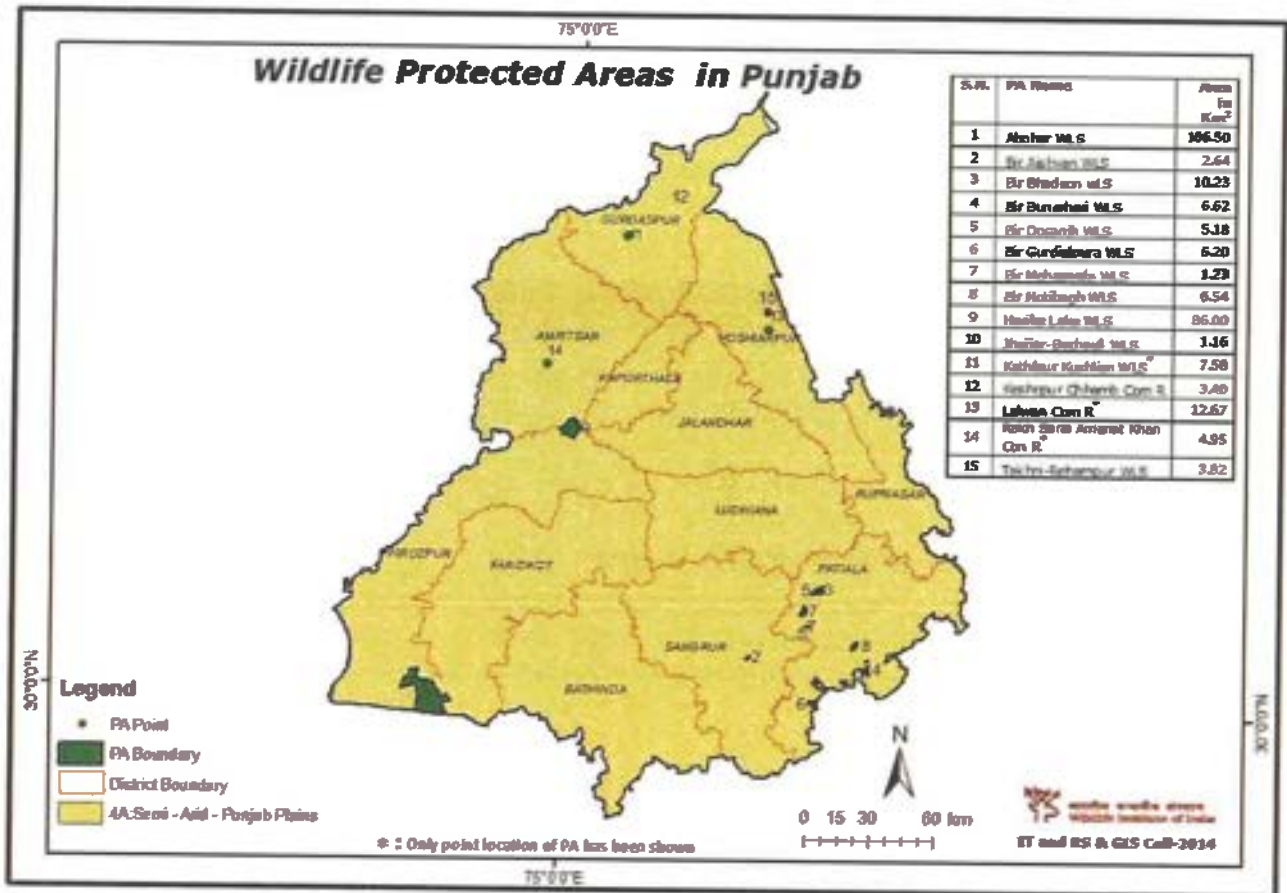


Figure 4.6: Wildlife Protected areas in Punjab State

(Source: Wildlife institute of India)



5 Physiography of the District

5.1 Introduction

Physiography refers to the study of physical features of the area and their relationship with one another including the factors and processes responsible for the evolution of landforms. The state of Punjab forms a part of the Indo Gangetic alluvial plain and is composed of sediments of Shiwalik hills and Himalayas brought down and laid by the rivers of the Indus system.

The state can be divided into the following major physiographic units:

- a) Siwalik hills
- b) Piedmont transitional area
- c) The Alluvial Plains

The Siwalik Hills in the northeast are steeply sloping. Number of "choes" (seasonal rivulets) originate in the Shiwalik zone and drain the excess storm water. The Shiwalik hills occupy nearly 2.6 percent area of the state and cover a sizeable area of Gurdaspur, Hoshiarpur, S.B.S. Nagar, Ropar, and S.A.S Nagar districts of the state. The hills have open to dense dry deciduous scrub forests. The ownership of most of these "Forest" areas vests with individuals or the local communities but their management is entrusted to the Forest Department in accordance with the provisions of the Punjab Land Preservation Act, 1900, and other relevant Forest Acts and Rules.

The piedmont area forms a transitional zone between the Shiwalik hills and alluvial terraces. It is about 10 to 15 km wide and comprises of Gurdaspur, Hoshiarpur, S.B.S. Nagar, Rupnagar, and S.A.S Nagar districts. The elevation of this zone varies from 300 to 375 m above MSL. The piedmont area is gently sloping to undulating and is dissected by number of seasonal rivulets (choes) which transport stormwater with sediments from their catchment. The coarsest of these sediments are deposited in the form of alluvial fans at the foot hills and finer fractions are deposited along the choes within the piedmont area.

The flood plains of Ravi, Beas, Sutlej, and Ghaggar rivers and many seasonal rivulets cover nearly 10% area of the state. The flood plain soils are young and stratified without appreciable alteration of sediments. The continuous erosion cum deposition keeps the soils young as time becomes a limiting factor for the consolidation of sediments into pedogenic horizons. The characteristics of the human landscape of this region. On the basis of relief, slope, drainage and overlain material, the district may be divided into following five physiographic units; palaeo-channels are believed to be the remnants of the old active channels. The origin of these channels may be due to the frequent changes in the courses of Ravi, Beas,



Sutlej and Ghaggar rivers and their tributaries, which became defunct and silted up. These areas occupy a low-lying topographic position on the landscape.

5.2 Climate Condition

The average annual rainfall in the SBS Nagar district is 924mm. The rainfall in the district in general increases from the south-west towards the north-east. About 70 % of the annual normal rainfall in the district is received during the period July to September, July being the rainiest month. Some rainfall is received mostly as thunder showers in June and in association with passing western disturbances in the cold season. On an average, there are 36 rainy days (i.e. days with rainfall of 2.5 mm or more) in a year in the district. The heaviest rainfall in 24 hours recorded at any station in the district was 30mm.

After February, temperature begins to rise rapidly. June is generally the hottest month with the mean daily temperature at about 41°C and the mean daily minimum at about 27°C. Scorching dust laden winds blow on many days in the summer season and the day temperatures on individual days may reach above 45°C. Afternoon thundershowers which occur on some days during the summer bring welcome relief though only temporarily. With the onset of monsoon by about the end of June or early in July, the day temperature drops down appreciably. But the nights continue to be a warm during the summer. Due to increase moisture in the monsoon air, the weather is often sultry and uncomfortable, in between these rains. After about mid-September when the monsoon withdraws temperatures decrease, the drop in the night temperature being rapid. January is generally the coldest month with the mean daily maximum temperature at about 19°C and the mean daily minimum at about 6°C.

During the brief south-west monsoon months and for spells of a day or two in association with the passing western disturbances high humidity prevails in the district. In the rest of the year, the humidity is low. The driest part of the year is the summer season when in the afternoons the relative humidity is 30 % or less.

Winds are generally light in the district. In the south-west monsoon season, winds from direction, between north-east and south-east, are common but on many days in the afternoons westerly to north-westerly winds predominate, except in the latter half of summer, when easterlies and south easterlies blow on some days.

Details of rainfall data of five years (from 2017 to 2021) is furnished in Table 5.1.



Table 5.1: Details of rainfall data of five years (from 2017 to 2021)

mm

Year	District	January	Feb	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Total
2017	SBS Nagar	84.1	3.4	23.7	16.9	52.7	25.3	224.1	253.7	141.5	0.0	3.1	28.1	856.6
2018		11.6	20.5	8.8	10.0	4.1	347.5	279.6	109.2	308.8	0	9.5	0.0	1109.4
2019		23.8	142.0	1.2	28.0	30.2	42.4	231.6	361.0	115.3	0.0	15.2	56.8	1047.5
2020		64.4	23.7	55.1	4.1	40.0	3.5	161.0	118.7	0.0	0.0	22.9	40.0	533.4
2021		10.5	6.3	0.6	25.2	7.4	63.2	245.1	74.2	145.2	41.7	0.0	0.0	619.4

(Source: Executive Engineer cum District Mining Officer, SBS Nagar)



5.3 Hydrogeology of SBS Nagar

The Nawanshahr district is covered by Quaternary alluvial deposit except in the northeastern part, where the Siwalik hills of Tertiary age are exposed. The aquifer in the alluvial tracts of Banga, Aur and Nawanshahr block comprises sand and silt with intercalation of little clay and kankar. In Kandi formation, covering large parts of Balachaur and Saroya blocks, boulders, gravel, pebbles and coarse sand with several layers of lenticular and fringing clay forms the main water bearing formation.

The Central Ground Water Board has drilled 8 exploratory wells and 5 piezometers (3 Piezometers were drilled under HP-II Programme) to delineate the aquifer geometry and quality of formation water. The wells drilled were in the depth range of 101-451 m bgl. Exploratory drilling revealed the presence of 5-7 aquifer groups within the depth range of 300 m in western part of the district. In the northeastern part, clay is predominant over sand formations and usually thick beds of clay are associated with boulders and pebbles. The average thickness of aquifer is 100m in the eastern and northern parts while it is of order of 150 m up to the total depth of 300 m bgl in the western part. Groundwater occurs under both unconfined as wells as confined conditions.

In unconfined aquifer, the depth to water level varies from 8.8 to 29.7m during pre-monsoon and 8.3 to 23.7m during post monsoon season. Deeper water levels are observed in the north eastern part of the district where Tertiary Siwalik hills are exposed. Since the depth to water level is more than 5 m bgl, the whole district is not prone to water logging condition.

The water table elevation is highest in the north-eastern part (Kandi area) and lowest in the south-western part, which in turn reflects the topographic gradient.



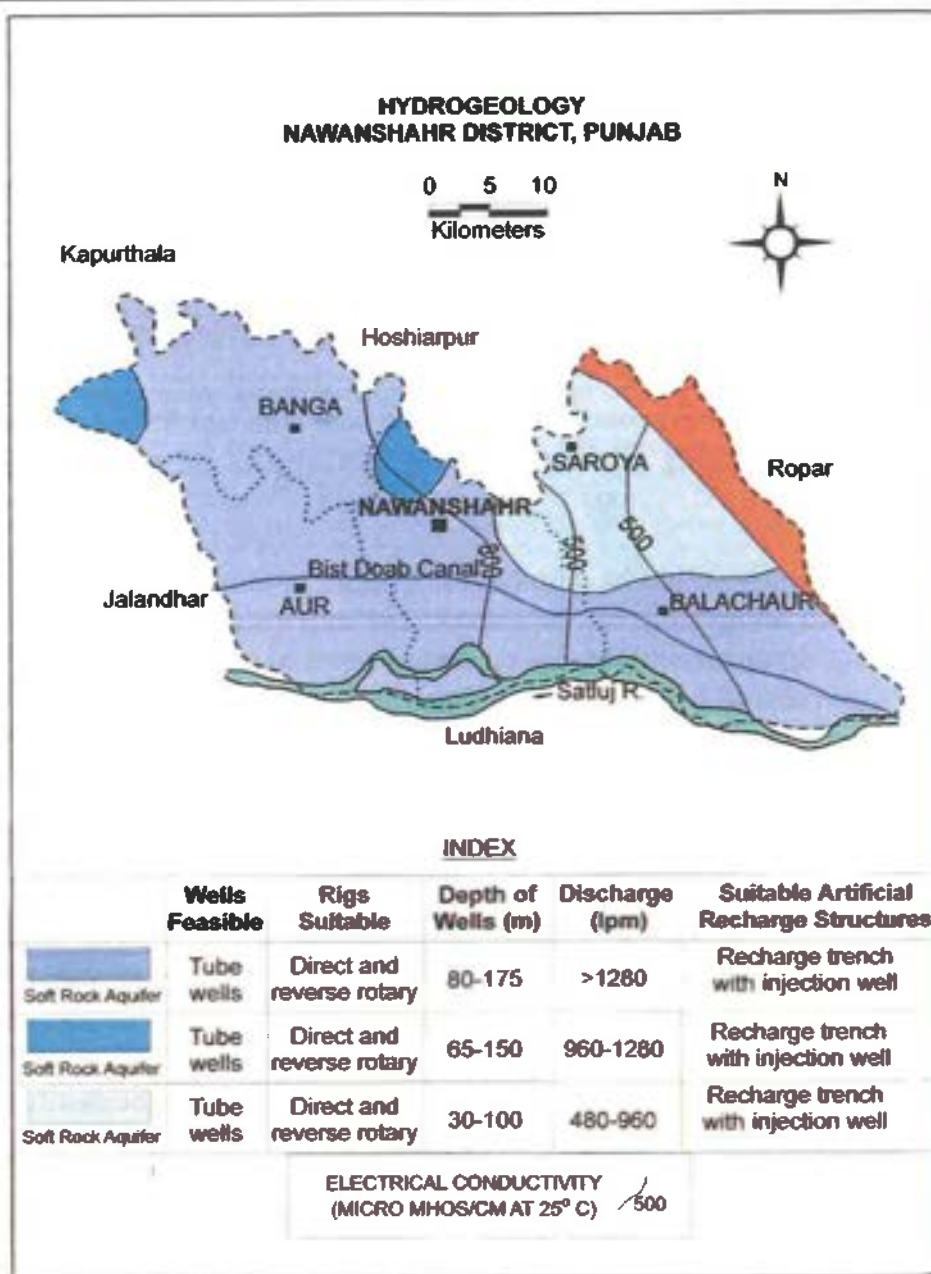


Figure 5.1: Hydrogeological Map of Nawanshahr District

(Source: Ground Water Information Booklet Nawanshahr District, Punjab)

5.4 Ground Water Development

Development of ground water resource for irrigation in Balachaur and Saroya blocks can be further explored because the ground water development is low in these blocks. This area has remained under-developed because of the problems in construction of deep tubewells due to bouldary formation, higher installation cost and less yield. The ground water in the kandi area can be further



developed by installing deep tube wells with the help of percussion rigs. In case where the boulders are at shallow depth or small in size, rotary method can also be used economically but with caution. However, development in Aur, Nawanshahr and Banga blocks must be linked with water conservation measures since the area is under over-exploited category. In the Nawanshahr block, the river Sutlej is influent in nature and augments the groundwater regime.

Nawanshahr district can be grouped into two hydrogeological regimes (1) alluvial plains comprising sand gravel, silt and clay. (2) Kandi area comprising mainly bouldery formation. Based upon the hydrogeological regime, the well design is also different. A good design of tube well aims at efficient utilization of aquifers, long useful life of tube well, low initial cost and low operation and maintenance cost.

Direct rotary would be suitable for drilling in alluvial areas. The shallow tube wells upto 40 m depth can be constructed with a single straight assembly of 100-200 mm diameter with 10-20 m slotted pipes having 1.6mm slot size. The annular space should be shrouded with gravel of 1.5-4.7 mm. Deep tube wells of high to moderate yield are feasible down to 370m depth. A well design of 305/203 mm diameter with housing 35-70 m depending upon the water levels and expected drawdown is suitable. About 20-30 m saturated granular zones can be tapped using 1.58 mm slot size and annular space to be shrouded with 2-4 mm size gravels.

In boundary area, deep tube wells down to 120/150 m depth can be constructed by percussion rigs. A well assembly of 305/203 mm diameter with housing length 40-60 m and 1.6-3.2 mm slot size and shrouded with gravel of 4-7.9 mm tapping 20 to 40m granular zones would be suitable in the district.

Table 5.2: Ground water resources of SBS Nagar district

Assessment Unit/Block	Net Annual Ground Water Availability(ha m)	Existing Gross Ground Water Draft for irrigation(ha m)	Existing Gross Ground Water Draft for domestic and industrial water supply	Existing Gross Ground Water Draft for all uses	Provision for domestic, and industrial requirement supply to 2025 years (ham)	Net Ground Water Availability for future irrigation development (ham)	Stage of Ground Water Development (%)
AUR	14598	23787	200	23988	223	-9412	164
BALACHAUR	15886	9249	381	9629	412	6225	61
BANGA	10150	13772	294	14067	328	-3950	139
NAWAN SHAHR	23561	21591	443	22034	494	1476	94
SAROYA	2837	1592	139	1731	155	1091	61

(Source: Central Ground Water Board Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India)



The ground water in the district is alkaline in nature with low to medium salinity. The chemical quality data from the shallow and deep aquifers indicate that all major cations (Ca, Mg, Na, K) and anions (CO₃, HCO₃, Cl, SO₄) are within the permissible limits set by BIS, 1991. In the western part of the district, electrical conductivity is slightly higher than 700 micro-Siemens/cm. While, the maximum value of 940 micro-Siemens/cm is reported at village Rahon.

The ground water in the district is of Ca-Mg-HCO₃ type imparting temporary hardness. Since all the physical and chemical parameters are below the permissible limit prescribed by BIS the ground water in the area is suitable for drinking purposes. The suitability of groundwater for irrigation purpose is calculated by SAR and RSC values which are below 10 and 2.0 respectively in the entire district. As per USSL diagram, ground water of the district falls in medium to high salinity hazard and low sodium hazard and hence it is suitable for irrigation in all types of soil.

5.5 Drainage System

Sutlej: River Sutlej is passing through SBS Nagar District. River Sutlej divides districts Rupnagar and Nawanshahar and adjoins the block Aur, Nawanshahar and Balachaur.

Bist Doab Canal: This Canal is originated from River Sutlej at the Border of District SBS Nagar and Roop Nagar. This Canal flows through Tehsil Balachaur.

River details are given in Table 5.3 and a drainage map is furnished in Figure 5.2.



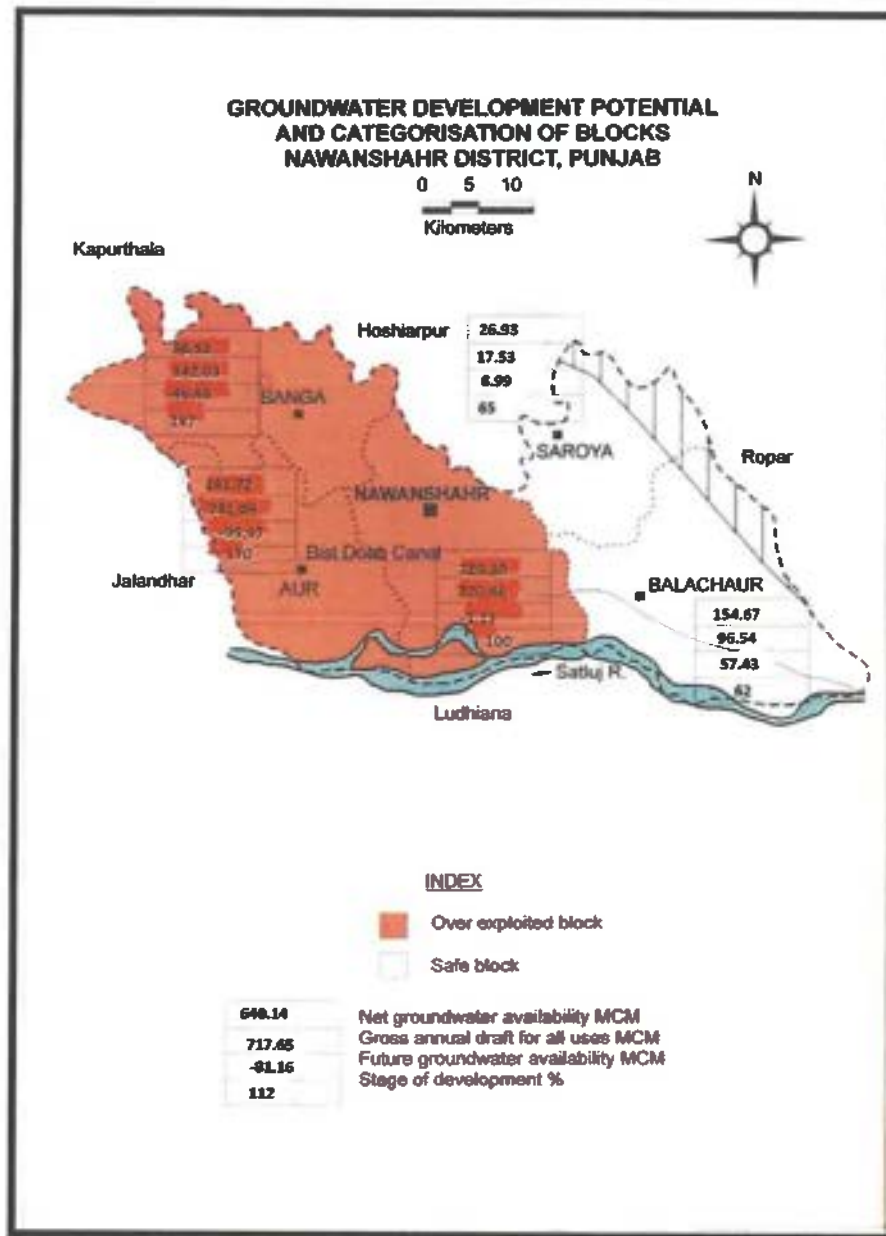


Figure 5.2: Drainage map of SBS Nagar district

(Source: http://cgwb.gov.in/District_Profile/Punjab/Nawanshahr.pdf)

Table 5.3: Details of major rivers of SBS Nagar District

Name of the River	Length with in district (km)	Width (Km)	Colour of Sand	Type
Sutlej River	56	1.0	White	Perennial

Table 5.4: Drainage system with Description River

S. No.	Name of the River	Area drained (Sq.km)	% Area drained in the district
1	Sutlej River	13.14	0.01

Table 5.5: Salient Features of important rivers and streams

S.No.	Name of the River or Stream	Total Length in the District (in Km)	Place of origin	Altitude at Origin (m)
1	Sutlej River	56	Lake Rakhastal in Tibet	4575



6 Geology and Mineral Wealth

6.1 Geology

The district is covered with a thick pile of fluvial sediments ranging in age from Pliocene to Holocene. The fluvial sediments are classified into the Siwalik Group, Older Alluvium Group and the Newer Alluvium Group. The Siwalik Group is represented by rocks of the Upper Siwalik Subgroup of Pliocene-Pleistocene age which comprises coarse sandstone, boulder conglomerate, clay and grit. The older Alluvium Group of Middle to Late Pleistocene age is represented by the Ludhiana Formation which comprises a polycyclic sequence of brown to gray sand, silt & clay with nodular & bedded kankar and occasional lenses of pebble & grit. The Newer Alluvium Group of Holocene age has been classified into Terrace Alluvium formation and the recent Channel Alluvium Formation. The Terrace Alluvium Formation, deposited in flood plains of the Sutlej River comprises cyclic sequence of grey, medium to coarse grained, micaceous sand and silt with lenses of clay. The Channel Alluvium, confined to active channels of Sutlej River, is composed of grey to dark grey, fine to coarse grained, micaceous sand, silt and clay. The generalized stratigraphic sequence of the area is given in Table 6.1

Table 6.1: Geological Unit of SBS Nagar

Lithological Unit	Formation	Subgroup	Group	Age
Grey to dark grey, fine to coarse grained, micaceous sand, silt and clay	Channel Alluvium		Newer Alluvium	Holocene
Cyclic sequence of grey, medium to coarse grained, micaceous sand and silt with lenses of clay	Terrace Alluvium		Newer Alluvium	Holocene
Polycyclic sequence of brown to grey sand, silt & clay with nodular & bedded kankar and occasional lenses of pebble & grit.	Ludhiana		Older Alluvium	Middle to Late Pleistocene
Coarse sandstone, boulder conglomerate, clay and grit		Upper Siwalik	Siwalik	Plio- Pleistocene

(District Resource Map, Geological Survey of India, 2013)

6.2 Mineral wealth

The district is endowed with minor minerals sand, silt, clay, and other aggregates.



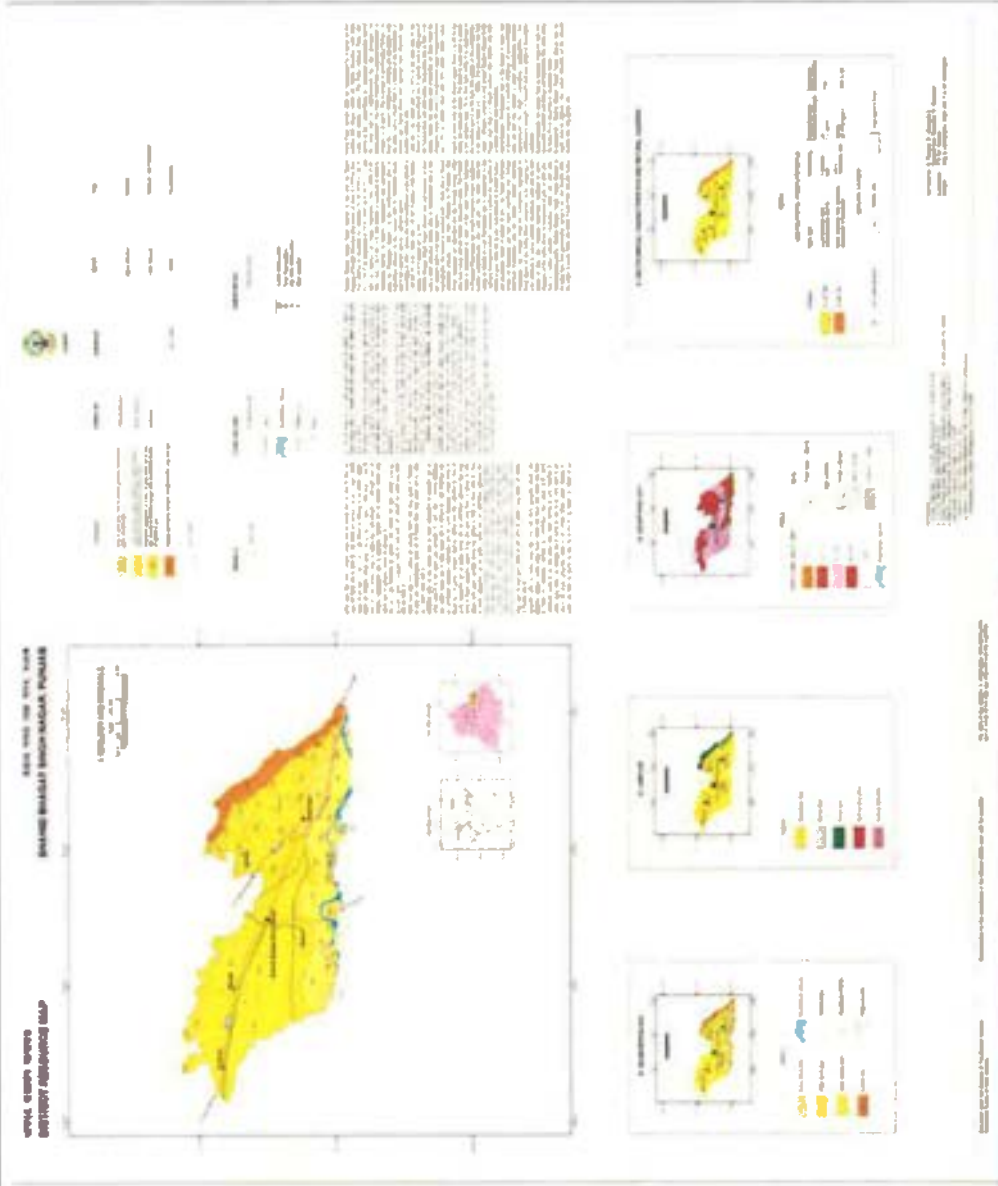


Figure No. 6.1: District Resource Map of SBS Nagar District (Source: District Resource Map, Geological Survey of India, 2013)



7 Estimation of deposits and Replenishment Studies

7.0. General:

Replenishment study for a river solely depends on estimation of sediment load for any river system and the estimation is a time consuming and should be done over a period. The process in general is very slow and hardly measurable on season-to-season basis except otherwise the effect of flood is induced which is again a cyclic phenomenon.

Usually, replenishment or sediment deposition quantities can be estimated in the following ways as given below:

- A. The replenishment estimation based on a theoretical empirical formula with the estimation of bed-load transport comprising of analytical models to calculate the replenishment estimation.
- B. Replenishment study based on satellite imagery involves demarcation of sand bars potential for riverbed mining. Both pre and post monsoon images need to be analyzed to established potential sand bars.

In this report, for volume estimation of sand, "Depth x Area" has been followed. The sand bars are interpreted with the help of satellite imageries. Ground truthing has been done for 100% of the total identified sand bars. During ground truthing, width and length of each segment were physically measured. It has also been observed that in few cases, sand bars have attained more than 3-meters height from the average top level of the river beds. Considerations of sand resources have been restricted within 3 meters from the average top surface of the river bed.

- C. Direct field measurement of the existing leases involving estimation of the volume difference of sand during pre and post-monsoon period. With systematic data acquisition, a model has developed for calculation of sediment yield and annual replenishment with variable components.



7.1. Common empirical formulae used for estimating runoffs and sediment yields

The river reaches with sand provide the resource and thus it is necessary to ascertain the rate of replenishment of the mineral. Regular replenishment study needs to be carried out to keep a balance between deposition and extraction. The replenishment estimation based on a theoretical empirical formula comprising of analytical models to calculate.

Sediment load deposition in a river is depend on catchment area, weathering index of the various rock types of the catchment area, land-use pattern of the area, rainfall data and grain size distribution of the sediments. Again, the sediment load estimation is not a dependent variable of the imaginary district boundary, but it largely depends upon the aerial extents of the catchment areas, which crossed the district and state boundaries.

Methodology of the study:

The replenishment estimation is based on a theoretical empirical formula with the estimation of bedload transport comprising of analytical models to calculate the replenishment estimation. Sedimentation in riverbed depends on catchment yield, peak flood discharge due to rainfall, bed load transport rates and sediment yield characteristic of the river. Some of the common methods used for Replenishment study are explained below.

7.1.1 Catchment yield calculation:

The total quantity of surface water that can be expected in a given period from a stream at the outlet of its catchment is known as yield of the catchment in that period. The annual yield from a catchment is the end product of various processes such as precipitation, infiltration and evapotranspiration operating on the catchment.

Catchment yield can be estimated using following formula:

$$\text{Catchment yield (m}^3\text{)} = \text{Catchment area (m}^2\text{)} * \text{Runoff coefficient (\%)} * \text{Rainfall (m)}$$

The runoff generated from the watershed is analyzed using Strange's Tables Method to get the reliable yield results. Runoff from a catchment is dependent upon annual rainfall as well as catchment characteristics such as soil types and the type of groundcover / land usage. Remote sensing was used for demarcation of catchment area relevant to the drainage system. Runoff coefficient of the catchment has been established based on Strange's table.



Strange in 1892, studied the available rainfall and runoff and obtained yield ratios as functions of indicators representing catchment characteristics (Subramanya, 2008). Catchments are classified as good, average and bad according to the relative magnitudes of yield they give. For example, catchment with good forest cover and having soils of high permeability would be classified as bad, while catchment having soils of low permeability and having little or no vegetal cover is termed good. Based on the study Strange established runoff coefficient table as given in Table 7.1:

Table 7.1: Runoff coefficient of the catchment based on Strange's table

Total monsoon rainfall (mm)	Runoff coefficient (%)			Total monsoon rainfall (mm)	Runoff coefficient (%)		
	Good catchment	Average catchment	Bad catchment		Good catchment	Average catchment	Bad catchment
25.4	0.1	0.1	0.1	787.4	27.4	20.5	13.7
50.8	0.2	0.2	0.1	812.8	28.5	21.3	14.2
76.2	0.4	0.3	0.2	838.2	29.6	22.2	14.8
101.6	0.7	0.5	0.3	863.6	30.8	23.1	15.4
127	1	0.7	0.5	889	31.9	23.9	15.9
152.4	1.5	1.1	0.7	914.4	33	24.7	16.5
177.8	2.1	1.5	1	939.8	34.1	25.5	17
203.2	2.8	2.1	1.4	965.2	35.3	26.4	17.6
228.6	3.5	2.6	1.7	990.6	36.4	27.3	18.2
254	4.3	3.2	2.1	1016	37.5	28.1	18.7
279.4	5.2	3.9	2.6	1041.4	38.6	28.9	19.3
304.8	6.2	4.6	3.1	1066.8	39.8	29.8	19.9
330.2	7.2	5.4	3.6	1092.2	40.9	30.6	20.4
355.6	8.3	6.2	4.1	1117.6	42	31.5	21
381	9.4	7	4.7	1143	43.1	32.3	21.5
406.4	10.5	7.8	5.2	1168.4	44.3	33.2	22.1
431.8	11.6	8.7	5.8	1193.8	45.4	34	22.7
457.2	12.8	9.6	6.4	1219.2	46.5	34.8	23.2
482.6	13.9	10.4	6.9	1244.6	47.6	35.7	23.8
508	15	11.3	7.5	1270	48.8	36.6	24.4
533.4	16.1	12	8	1295.4	49.9	37.4	24.9
558.8	17.3	12.9	8.6	1320.8	51	38.2	25.5
584.2	18.4	13.8	9.2	1346.2	52.1	39	26
609.6	19.5	14.6	9.7	1371.6	53.3	39.9	26.6
635	20.6	15.4	10.3	1397	54.4	40.8	27.2
660.4	21.8	16.3	10.9	1422.4	55.5	41.6	27.7
685.8	22.9	17.1	11.4	1447.8	56.6	42.4	28.3
711.2	24	18	12	1473.2	57.8	43.3	28.9
736.6	25.1	18.8	12.5	1498.6	58.9	44.4	29.4
762	26.3	19.7	13.1	1524	60	45	30

(Source: Subramanya, 2008)



Rainfall returns period for 25, 50 and 100 years calculated as below:

As per Weibull's Formula (Subramanya, 2008),

Return period/Recurrence interval = $(n+1)/m$

Where: n number of years on record;

m is the rank of observed occurrences when arranged in descending order.

7.1.2 Peak Flood Discharge Calculation:

The term "peak discharge" stands for the highest concentration of runoff from the basin area. The accurate estimation of flood discharge remains one of the major challenges as it depends upon physical characteristic of the catchment area and the flood intensity, duration and distribution pattern. There have been many different approaches for determining the peak runoff from an area. As a result, many different models (equations) for peak discharge estimation have been developed. Formulas used for Peak Discharge calculation areas below:

As per Dicken's formula (Subramanya, 2008),

$$Q = CA^{3/4}$$

Where: Q is Maximum flood discharge (m^3/sec) in a river

A is Area of catchment in Sq. Km

C is Constant whose value varies widely between 2.8 to 5.6 for catchments in plains and 14 to 28 for catchments in hills

As per Jarvis formula (Subramanya, 2008),

$$Q = CA^{1/2}$$

Where: Q is Maximum flood discharge (m^3/sec) in a river

A is Area of catchment in Sq. Km

C is Constant whose value varies between 1.77 as minimum and 177 as maximum. Limiting or 100 percent chance floods are given by the value of C of 177

As per Rational formula (Subramanya, 2008),

$$Q = CIA$$

Where: Q is Maximum flood discharge (m^3/sec) in a river



A is Area of catchment in Sq. Km

C is Runoff coefficient which depends on the characteristics of the catchment area. It is a ratio of runoff: rainfall

I is Intensity of rainfall (in m/sec)

7.1.3 Bed Load Transport Calculation:

The most important problems in river engineering are to predict bed load transport rates in torrential floods flowing from mountainous streams. Three modes of transport namely; rolling, sliding and saltation may occur simultaneously in bed load transport. The different modes of transportation are closely related and it is difficult, if not impossible, to separate them completely. There are number of equations to compute the total sediment load. Most of these equations have some theoretical and empirical bases.

Ackers and White Equation:

Ackers and White (1973) used dimensional analysis based on flow power concept and their proposed formula is as follows.

$$C_t = C_s G_s (d_{50}/h) (v/u_*')^{n'} [(F_{gr}/A_1) - 1] m$$

The dimensionless particle d_{gr} is calculated by:

$$d_{gr} = d_{50} (g(G_s - 1)/v^2)^{1/3}$$

The particle mobility factor F_{gr} is calculated by:

$$F_{gr} = (U_*' n' / (G_s - 1) g d_{50})^{1/2} * (V / (5.66 \log(10h/d_{50}))^{1-n'}$$

Where,

- A_1 = Critical particle mobility factor
- C_s = Concentration coefficient in the sediment transport function
- C_t = Total sediment concentration
- d_{50} = Median grain size
- d_{gr} = Dimensionless particle diameter
- F_{gr} = Particle mobility parameter
- g = Acceleration of gravity
- D_s, S_g = Specific gravity
- h = Water depth
- m = Exponent in the sediment transport function
- n' = Manning roughness coefficient
- U_*' = Shear velocity
- V = Mean flow velocity
- ν = Kinematic viscosity

Meyer – Peter's equation:

Meyer-Peter's equation (Ponce, 1989) is based on experimental work carried out at Federal Institute of Technology, Zurich. Mayer-Peter gave a dimensionless equation based, for the first time, on rational laws. Mayer- Peter equations giving an empirical



correlation of bed load transport rates in flumes and natural rivers. The simplified Meyer-Peter's equation is given below:

$$g_b = 0.417[\tau_0 (\eta' / \eta)^{1.5} - \tau_c]^{1.5}$$

Where,
 g_b = Rate of bed load transport (by weight) in N per m width of channel per second.

η' = Manning's coefficient pertaining to grain size on an unrippled bed and Strickler formula i.e. $\eta' = (1/24) \times d^{1/6}$ where d is the median size (d_{50}) of the bed sediment in m.

η = The actual observed value of the rugosity coefficient on rippled channels. Its value is generally taken as 0.020 for discharges of more than 11cumecs, and 0.0225 for lower discharges.

τ_c = Critical shear stress required to move the grain in N/m² and given by equation $\tau_c = 0.687d_a$, where d_a is mean or average size of the sediment in mm. This arithmetic average size is usually found to vary between d_{50} and d_{60} .

τ_0 = Unit tractive force produced by flowing water i.e. $\gamma_w R S$. Truly speaking, its value should be taken as the unit tractive force produced by the flowing water on bed = $0.97 \gamma_w R S$. R is the hydraulic mean depth of the channel (depth of flow for wider channel) and S is the bed slope.

7.1.4 Sediment Yield Estimation:

Sedimentation occurred as the velocity decreases along with its ability to carry sediment. Coarse sediments deposit first, then interferes with the channel conveyance, and may cause additional river meanders and distributaries. The area of the flowing water expands, the depth decreases, the velocity is reduced, and eventually even fine sediments begin to deposit. As a result, deltas may be formed in the upper portion of reservoirs. The deposited material may later be moved to deeper portions of the reservoir by hydraulic processes within the water body.

There are many sediment transport equations which are suitable for use in the prediction of the rate of replenishment of river. Some of the famous sediment equations are:

1. Dendy – Bolton Equation
2. Modified Universal Soil Loss Equation (MUSLE) developed by Williams and Berndt (1977)

Dendy–Bolton Equation:

Dendy–Bolton formula (Dendy and Bolton 1976) is often used to calculate the sedimentation yield because: -

- The formula uses catchment area and mean annual runoff as key determinants.



- It does not differentiate in basin wide smaller streams and their characteristics.
- Dendy and Bolton equation calculates all types of sediment yield i.e. Sheet and rill Erosion gully Erosion, Channel Bed and bank erosion and mass movement etc.

Dendy-Bolton determined the combined influence of runoff and drainage area on sediment yield to compute the sediment yield. They developed two equations i.e. for run off less than 2 inch and for run off more than 2 inch, which are given below:

For run off less than 2 inch:

$$(Q < 2\text{in}) S = 1289 * (Q)^{0.46} * [1.43 - 0.26 \text{Log}(A)]$$

For run off more than 2 inches:

$$(Q > 2 \text{ in}): S = 1958 * (e^{-0.055 * Q}) * [1.43 - 0.26 \text{Log}(A)]$$

Where: S = Sediment yield (tons/sq miles/yr)

Q = Mean Annual runoff (inch)

A = Net drainage are in sq mile

Dendy Bolton formula is often used to calculate the sedimentation yield. But use of these equations to predict sediment yield for a specific location would be unwise because of the wide variability caused by local factors not considered in the equations development. However, they may provide a quick, rough approximation of mean sediment yields on a regional basis for preliminary watershed planning. Computed sediment yields normally would be low for highly erosive areas and high for well stabilized drainage basins with high plant density because the equations are derived from average values. The equations express the general relationships between sediment yield, runoff, and drainage area. Many variables influence sediment yield from a drainage basin. They include climate, drainage area, soils, geology, topography, vegetation and land use. The effect of any of these variables may vary greatly from one geographic location to another, and the relative importance of controlling factors often varies within a given land resource area. Studies revealed that sediment yield per unit area generally decreases as drainage area increases. As drainage area increases, average land slopes usually decrease; and there is less probability of an intense rainstorm over the entire basin. Both phenomena tend to decrease sediment yield per unit area.

Modified Universal Soil Loss Equation (MUSLE):

Modified universal soil loss equation (MUSLE) for estimation of sediment yield is also used widely (Wischmeier and Smith, 1978). MUSLE is a modification of the Universal Soil Loss Equation (USLE). USLE is an estimate of sheet and rill soil movement down a uniform slope using rain- fall energy as the erosive force acting on



the soil (Wischmeier and Smith 1978). Depending on soil characteristics (texture, structure, organic matter, and permeability), some soils erode easily while others are inherently more resistant to the erosive action of rain-fall.

MUSLE is similar to USLE except for the energy component. USLE depends strictly upon rainfall as the source of erosive energy. MUSLE uses storm-based runoff volumes and runoff peak flows to simulate erosion and sediment yield (Williams 1995). The use of runoff variables rather than rainfall erosivity as the driving force enables MUSLE to estimate sediment yields for individual storm events. The generalized formula of MUSLE is as below:

$$Y = 11.8 \times (Q \times qP)^{.56} \times K \times Ls \times C \times P$$

Where,

Y = sediment yield of stream (t/yr/km²),

Q = average annual runoff (m³),

K = soil erodibility factor,

qP = Highest discharge recorded (m³/s),

Ls = gradient/slope length,

C = cover management factor,

P = erosion control practice

7.2. Replenishment study based on satellite imagery:

To delineate replenishment percentage in the river bed of the district, below mentioned steps have been followed.

1. Satellite imagery studies

Satellite imagery study involves demarcation of sand bars on riverbed of the district. Both pre and post monsoon images need to be analysed to established potential sand bars.

2. Field data collation

Field data collation was carried out during May- June for all the river ghats on continuous basis for pre monsoon period and October- November for all the river ghats on continuous basis for post monsoon period. In both the cases, relative elevation levels were captured through GPS/DGPS/ Electronic Total Station. Thickness of the sand bars was measured through sectional profiles.





Figure 7.1: Site view of Sutlej River

3. Selection of study profiles:

Study profiles are selected based on the occurrence of the sand bars in the channel profiles. Aerial extents of each of the profiles are mapped from satellite imageries. Frequency distribution did while selection of the ground truthing of the blocks.

4. Data compilation:

Following data were compiled for generation of this annual replenishment report:

- Elevation levels of the different sand Ghats and Sand Bar's as measured at site.
- Extents of the sand bars are measured from the pre monsoon satellite imageries.
- Sand production data of the district.

All these data were compiled while estimation of the replenished sand in the district.

5. Assessment of sediment load in the river:

Assessment of sediment load in a river is subjective to study of the whole catchment area, weathering index of the various rock types which acts as a source of

sediments in the specific river bed, rainfall data over a period not less than 20 years, and finally the detail monitoring of the river bed upliftment with time axis. Again, the sediment load estimation is not a dependent variable of the imaginary district boundary, but it largely depends upon the aerial extents of the catchment areas, which crossed the district and state boundaries.

The major sand producing river of the district is Sutlej. Planning has been done for systematic sand mining in the rivers.

From the ground survey and satellite imageries study in the pre monsoon period, altogether 69 sand bars are identified in the district on Sutlej River and during post-monsoon period 74 sand bars identified.

For calculating the area of sand bars, following categorization of land within the channel area have been adopted:

- a. The untapped sand bars.
- b. The sand bars worked in the pre-monsoon period.
- c. Main channel course within the channel.

Details of each sand bars along with their sand resources in pre monsoon and post monsoon period are provided in Table 7.2.

Table 7.2: Estimation of Sand Resources during Pre and Post Monsoon period of SBS Nagar District

Pre monsoon						Post monsoon						
S L No	Sand Bar_code	RL (m)	Area in sq.m.	Sand Thicknes s in m.	Sand Volume in M. Cum	S L No	Sand Bar_Code	RL (m)	Area in sq.m.	Sand Thicknes s in m.	Sand Volume in M. Cum	
Estimation of Sand Resources in Pre monsoon period & Post monsoon period of Sutlej River												
1	PR_SN_BL_S T_01	258.37	35937	3	0.1078	1	PO_SN_BL_ST _01	258.51	46344	3	0.1390	
2	PR_SN_BL_S T_02	258.15	20187	3	0.0606							
3	PR_SN_BL_S T_03	258.09	96024	3	0.2881	2	PO_SN_BL_ST _03_04	257.57	290190	3	0.8706	
4	PR_SN_BL_S T_04	257.39	125286	3	0.3759		3	PO_SN_BL_ST _4A	256.25	19317	3	0.0580
							4	PO_SN_BL_ST _4B	255.98	19946	3	0.0598
5	PR_SN_BL_S T_05	256.43	44838	3	0.1345	5	PO_SN_BL_ST _05	256.63	63631	3	0.1909	
6	PR_SN_BL_S T_06	256.31	32230	2.07	0.0667	6	PO_SN_BL_ST _06_07	256.43	139991	2.22	0.3108	



*District Survey Report
SBS Nagar District
Punjab*

7	PR_SN_BL_S T_07	252.88	85331	0.87	0.0742						
8	PR_SN_BL_S T_08	255.93	157329	3	0.4720	7	PO_SN_BL_ST _08	256.18	161555	3	0.4847
9	PR_SN_BL_S T_09	256.62	230359	3	0.6911	8	PO_SN_BL_ST _09	256.81	243783	3	0.7313
10	PR_SN_BL_S T_10	255.62	90060	3	0.2702	9	PO_SN_BL_ST _10	255.89	102164	3	0.3065
11	PR_SN_BL_S T_11	254.18	66834	2.59	0.1731	10	PO_SN_BL_ST _11	254.36	76487	2.93	0.2241
12	PR_SN_BL_S T_12	254.38	61936	1.53	0.0948	11	PO_SN_BL_ST _12_13	254.51	110097	3	0.3303
13	PR_SN_BL_S T_13	252.41	60435	0.45	0.0272						
14	PR_SN_BL_S T_14	252.88	163980	3	0.4919	12	PO_SN_BL_ST _14	251.91	158094	3	0.4743
15	PR_SN_BL_S T_15	252.63	137513	2.93	0.4029	13	PO_SN_BL_ST _15	252.74	16640	3	0.0499
						14	PO_SN_BL_ST _15A	250	87868	2	0.1757
16	PR_SN_BL_S T_16	253.62	48677	1.8	0.0876	15	PO_SN_BL_ST _16	254	21818	2.12	0.0463
17	PR_SN_BL_S T_17	252.80	93382	3	0.2801	16	PO_SN_BL_ST _17	252.90	80392	3	0.2412
18	PR_SN_BL_S T_18	255.69	6073	1.46	0.0089						
19	PR_SN_BL_S T_19	251.91	56672	3	0.1700	17	PO_SN_BL_ST _19	252.0	49242	3	0.1477
20	PR_SN_BL_S T_20	252.71	16580	3	0.0497	18	PO_SN_BL_ST _20	253.0	11747	3	0.0352
21	PR_SN_BL_S T_21	255.49	21656	0.99	0.0214						
22	PR_SN_BL_S T_22	252.17	43237	3	0.1297	19	PO_SN_BL_ST _22	252.32	12987	3	0.0390
23	PR_SN_BL_S T_23	252.13	31606	0.01	0.0003						
24	PR_SN_BL_S T_24	252.44	22823	0.11	0.0025						
25	PR_SN_BL_S T_25	254.25	20662	0.88	0.0182						
26	PR_SN_BL_S T_26	253.63	25259	1.1	0.0278						
27	PR_SN_BL_S T_27	250.89	42535	2.07	0.0880	20	PO_SN_BL_ST _27	251.09	23632	2.24	0.0529
28	PR_SN_NS_S T_28	249.42	103728	0.58	0.0602	21	PO_SN_NS_ST _28	249.52	11537	0.72	0.0083
						22	PO_SN_NS_ST _28A	249.54	72982	1.2	0.0876
29	PR_SN_NS_S T_29	250.01	24152	0.78	0.0188						
30	PR_SN_NS_S T_30	249.33	71205	1.92	0.1367	23	PO_SN_NS_ST _30	249.43	48219	2.07	0.0998
31	PR_SN_NS_S T_31	248.82	51202	1.6	0.0819	24	PO_SN_NS_ST _31_33	249.39	81394	1.87	0.1522
32	PR_SN_NS_S T_33	248.31	14174	1.18	0.0167						
33	PR_SN_NS_S T_32	248.89	55352	1.07	0.0592	25	PO_SN_NS_ST _32	249.27	60069	1.38	0.0829



*District Survey Report
SBS Nagar District
Punjab*

34	PR_SN_NS_S T_34	248.82	110859	0.62	0.0687	26	PO_SN_NS_ST _34	249.0	109180	0.76	0.0830
35	PR_SN_NS_S T_35	248.92	23551	2.5	0.0589	27	PO_SN_NS_ST _35	249.07	23802	2.68	0.0638
36	PR_SN_NS_S T_36	248.22	16201	2.78	0.0450	28	PO_SN_NS_ST _36	248.31	17321	2.95	0.0511
37	PR_SN_NS_S T_37	247.94	66325	0.9	0.0597	29	PO_SN_NS_ST _37	248.10	65203	1.05	0.0685
						30	PO_SN_NS_ST _37A	248	10396	0.63	0.0065
38	PR_SN_NS_S T_38	247.91	17167	0.75	0.0129	31	PO_SN_NS_ST _38	248.05	22389	0.89	0.0199
39	PR_SN_NS_S T_39	247.32	63793	0.43	0.0274	32	PO_SN_NS_ST _39	247.50	61509	0.58	0.0357
40	PR_SN_NS_S T_40	248.84	40806	2.09	0.0853	33	PO_SN_NS_ST _40	248.97	40677	2.24	0.0911
41	PR_SN_NS_S T_45	246.38	25238	0.66	0.0167	34	PO_SN_NS_ST _45	246.55	24641	0.79	0.0195
42	PR_SN_NS_S T_47	246.65	100337	0.28	0.0281	35	PO_SN_NS_ST _47	246.78	100961	0.38	0.0384
43	PR_SN_NS_S T_48	246.45	6842	0.2	0.0014	36	PO_SN_NS_ST _48	246.52	6885	0.26	0.0018
44	PR_SN_NS_S T_49	248.27	12026	1.15	0.0138						
45	PR_SN_NS_S T_50	248.05	44550	1.39	0.0619	37	PO_SN_NS_ST _50	246.2	42591	1.62	0.0690
46	PR_SN_NS_S T_51	245.98	152373	0.94	0.1432	38	PO_SN_NS_ST _51	246.18	147626	1.05	0.1550
47	PR_SN_NS_S T_52	246.02	28013	1.97	0.0552	39	PO_SN_NS_ST _52	246.14	35442	2.09	0.0741
48	PR_SN_NS_S T_53	246.03	23041	0.01	0.0002	40	PO_SN_NS_ST _53	246.14	16487	0.05	0.0008
49	PR_SN_NS_S T_54	246.75	11753	0.52	0.0061	41	PO_SN_NS_ST _54	246.82	15662	0.64	0.0100
50	PR_SN_NS_S T_55	246.67	16661	0.93	0.0155	42	PO_SN_NS_ST _55	246.80	16786	1.03	0.0173
51	PR_SN_NS_S T_56	245.78	107928	1.78	0.1921	43	PO_SN_NS_ST _56	246.03	124696	1.87	0.2332
52	PR_SN_NS_S T_57	245.46	20868	1.09	0.0227	44	PO_SN_NS_ST _57	245.53	21606	1.16	0.0251
53	PR_SN_AR_S T_58	245.48	97669	2.28	0.2227	45	PO_SN_AR_ST _58	245.67	104579	2.39	0.2499
54	PR_SN_AR_S T_59	245.38	97537	1.59	0.1551	46	PO_SN_AR_ST _59	245.53	95787	1.8	0.1724
						47	PO_SN_AR_ST _61	246.50	23049	2.22	0.0512
55	PR_SN_AR_S T_61	246.46	24118	2.11	0.0509	48	PO_SN_AR_ST 61B	244.69	18298	2.12	0.0388
						49	PO_SN_AR_ST _62	244.57	74394	1.76	0.1309
56	PR_SN_AR_S T_62	244.36	77683	1.57	0.1220	50	PO_SN_AR_ST _63	244.59	114480	2.36	0.2702
57	PR_SN_AR_S T_63	244.38	106176	2.19	0.2325	51	PO_SN_AR_ST _64	244.50	47617	3	0.1429
58	PR_SN_AR_S T_64	244.37	27822	3	0.0835	52	PO_SN_AR_ST _65	244.50	8693	3	0.0261
59	PR_SN_AR_S T_65	244.31	7744	2.91	0.0225	53	PO_SN_AR_ST _66	244.36	37766	2.9	0.1095
60	PR_SN_AR_S T_66	244.16	30947	2.71	0.0839	54	PO_SN_AR_ST	243.38	2500	3	0.0075



Table 7.3: Sediment load comparison between Pre and Post Monsoon period for rivers of SBS Nagar district

River Name	Pre-Monsoon no of ghats	Post-Monsoon no of ghats	Pre-Monsoon Sediment Load (Mcum)	Post Monsoon Sediment Load (Mcum)	Variance (Mcum)
Sutlej	69	74	8.76	10.30	1.54

Thus, in the district, about 1.54 million cum of sand has been found as an incremental volume when compared between pre and post monsoon sand reserve data of the district.

7.3. Replenishment estimation based on field investigation

The study was carried out on existing mining leases. In order to assess the annual replenishment rate, an approach of direct measurement methodology has been adopted. The depth and area of the mining leases were measured through DGPS/Total station just before the closure of the mines in pre-monsoon period and the same areas were resurveyed in the post-monsoon period. The difference between the depths of the surveyed areas was accounted for the volumetric measurement of the replenished sand.

Table 7.4 represents field measurement of replenishment rate estimated for major rivers.

Table 7.4: Replenishment rate of the district

River Name	Location	Area	Surface RL	Thickne ss	Volume	After mining floor RL	Surfac e RL	Thickn ess	Volume	Differen ce in RL
		m ²	m	m	Cum	M	m	M	cum	m
Sutlej	Arzi Derya	49000	259.00	2.80	137200.00	256.20	258.50	2.30	112504.00	0.50

7.4. Replenishment estimation based on empirical formula

The estimation of sedimentation rate based on empirical formula need critical analysis of different factors related to the LULC property of the catchment area, slope geometry, sediment erosion factor of catchment litho-type. This will help to assess replenishment rate more precisely.

Replenishment studies based on empirical formula for existing mining leases have also been conducted and are given in Table 7.5.

Table 7.5: Replenishment rate estimation



Location	River Name	Lease Area	Surface RL Before mining	Mine out Thickness	Mine out Volume	Annual Rainfall-2020	Estimated Replenished Volume as per Dandy- Bolton
		m ²	m	M	Cum	m	cum
Arzi Derya	Sutlej	49000	259.00	2.80	137200.00	3.20	96040.00

7.5. Total potential of mining of minor minerals in the river bed due to Annual Deposition

For the purpose of estimating mineable mineral potential, the thickness of the sand bar considered extractable based on base flow level is given in Table 7.6.

Table 7.6: River wise Thickness of sand bar considered mineable

River Name	Considered Mining Thickness (m)
Sutlej	0.05m to 3m (based on Cross- Section Study)

Based on geomorphology, geology, climate and mineable thickness of sand bar the annual deposition of riverbed minerals (sand and gravel) has been estimated.

Sand bar area recommended for mineral concession in the table is calculated as per the Enforcement and Monitoring Guidelines for Sand Mining (EMGSM) 2020. As per guidelines, mining depth restricted to 3 -meters depth and distance from the bank is 1/4th of river width and not less than 7.5 meters. Also, mining is prohibited up to a distance of 1 kilometer (1 km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side. The total minable mineral potential is given in Table 7.6.

Table 7.7: Total mineable mineral potential

Sl. No.	River or Stream	Potential area (sq.m)	Potential area(Ha.)	Mining Average Thickness	Volume in Mcum	60% of Volume in Mcum	Bulk Density Kg/l	Mineable Mineral Potential (MT)
1	Sutlej	3118600	311.86	2.30	7.17	4.30	1.56	6.71

Note: The potential area has been mentioned for every potential site in Ha in plate 1 (pages 68-78). The average mining thickness is mean of data of thickness as mentioned in table 7.2.



7.4.1 No Mining Zone

Criteria for identification of no mining zones

- i. Benchmark (BM) with respect to mean Sea Level (MSL) should be established in mining channel reaches (MCR) below which no mining shall be allowed.
- ii. Mining is to be permitted only in the central 3/4th of the channel where deposition/aggradation of the material has been identified whereas the remaining 1/4 th width needs to be kept as no mining zone for the protection of banks.
- iii. Identifying the mining and no mining zones shall be done after determining the area of sensitivity by ascertaining the distance of the mining area from the protected areas, forest areas, bridges, important structures, habitation etc. and based on the sensitivity the area needs to be defined in sensitive and non-sensitive categories.
- iv. As far as possible mining operations should be avoided in the sensitive areas unless local conditions require otherwise. Such deviations may only be of temporary nature and are to be permitted by the DLTF after recording the reasons for the same.

Table 7.8: Sand resources in no mining zone

River Name	Total Sand Resources Post Monsoon (Mcum)	Total Sand Resources(MT) Post Monsoon	Total Potential Sand Resources Post Monsoon (Mcum)	Total Potential Sand Resources Post Monsoon (MT)	Total No Mining Resource Post Monsoon (Mcum)	Total No Mining Resource Post Monsoon (MT)
Sutlej	10.30	16.07	7.17	11.19	3.13	4.88

Note: Total Sand resource of Post Monsoon is mentioned in table no. 7.2 (page no. 52-55) & Total Potential sand resources of Post Monsoon is mention in table no. 7.7(page no 57). Bulk density: 1.56

7.6. Detail of potential source/sites of River Bed Material

The potential sand block demarcated on Sutlej River is given in **Plate I**.

Potential sensitive sites for mining which are near to forests, protected areas, habitation, bridges etc., are avoided. The suitability of such sites have been confirmed based on Sub-divisional committee's observation. The list of mining leases as per the recommendation of the Committee is given as **Annexure E**.

The report of Sub-Divisional Committee's recommendations based on their field inspection regarding the suitability of all potential mining sites and also the approval for specific mining leases has been provided. The details regarding cluster and contiguous cluster formation has been provided as in

Annexure A



8 Transport

An efficient network of roads, railways and other means of communications is an essential requirement for the development of any area. The district enjoys excellent facilities within and outside. The district is mainly served by the Jalandhar City-Jaigon Doaba rail line which was opened in 1915 and serves Nawanshahr tahsil. The railway stations falling in this line are: 1. Banga, 2. Khatkar Kalan Jhandaji 3. Kariha, 4. Nawanshahr Doab and 5. Rahon.

State High Way No. 24 pass through the district. It has connected this district with Rupnagar and Hoshiarpur district. District Hoshiarpur and Kapurthala area also connected by the other important roads. This district has a road length of 1828 kms under Provincial Highways as per 2001 census data. Nawanshahr district has a road length of 153 kms per 100 sq.km of area and road length of 329 kms per lakh population. The district is one of the top most performers in regard of having an excellent road way network. A maximum number of inhabited villages are linked by the road.

The major transportation routes for sand evacuation from the major sand producing rivers are shown in Figure no. 8.1.

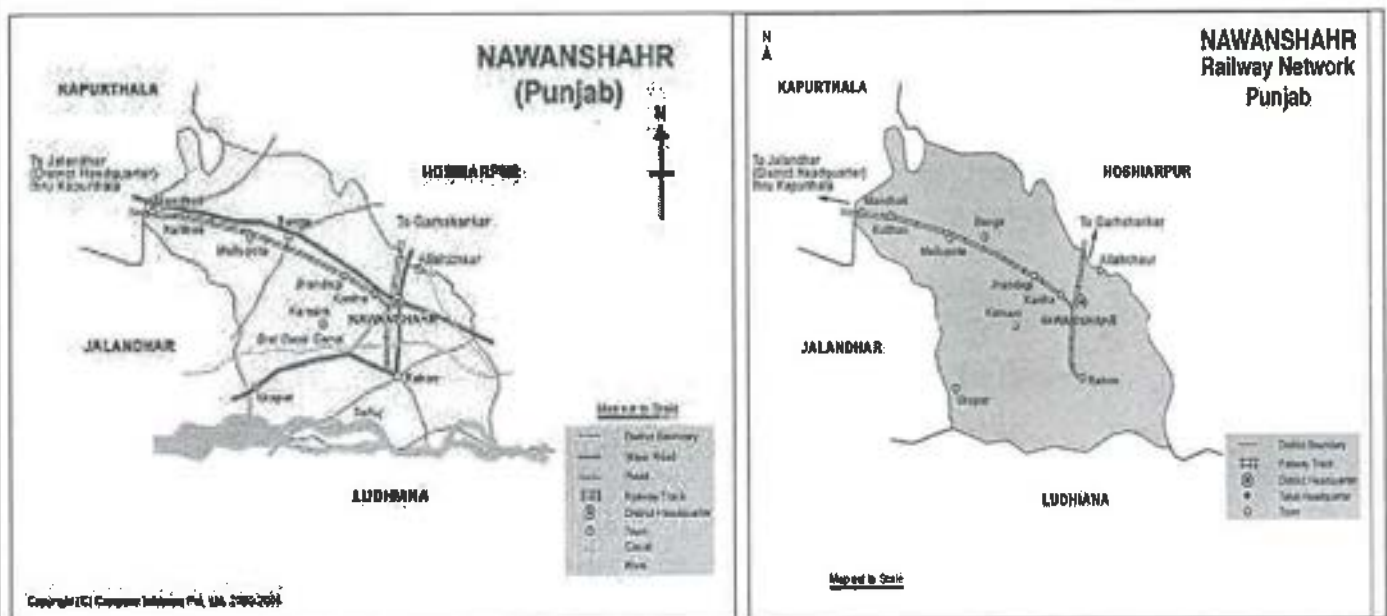


Figure No. 8.1: Transport map of Nawanshahr District

9 Remedial measure to mitigate the impact of mining

9.1. Environmental Sensitivity

SBS Nagar District being an environmentally sensitive area on account of its fragile ecosystem as also its proximity to Chandigarh and Mohali, presents special challenges in achieving the goal of environmentally sustainable development. The Jalandhar area represents a unique geo- environmental perception. As human population expands, forests are being depleted for the extension of agricultural lands, introduction of new settlements, roadways etc. The growing urbanization and industrialization are deeply impacting the ecosystem of SBS Nagar District.

On account of the increased vulnerability to soil and water erosion, special measures are required to be taken to ensure that sand mining in the district does not result in environmentally damaging consequences like landslides, depletion of valuable topsoil, river bank erosion, damage to proximate roads, bridges, canals, and other structures, and floods, etc.

9.2. Sand mining Impact

Another serious environmental problem around the globe in recent years is of illegal Sand mining. Sand mining is a process of extraction of sand from an open pit, river bed, sea beaches, ocean floor, river banks, deltas and island dunes. The extracted sand could be utilized for various types of manufacturing, such as concrete used in the construction of building and other structures. The sand can also be used as an abrasive. The demand for sand increase as population grows also urbanization with time. The high level of demands has offer led to the use of unsustainable sand mining process for speedy urbanization resulted in illegal mining.

All though most jurisdictions have legal limit on the location and volume of sand that can be mined, illegal sand extraction is following in many parts of the country due to rapid urbanization and industries.

Removal or extraction of too much sand from rivers leads to erosion shrinking of river banks. Deltas can recede due to sand mining. These destructive effects of sand mining ultimately result in loss of fertile land and property. It also destabilized the ground and causes the failure of engineering structures for civilization.

In-stream mining directly alters the channel geometry and bed elevation. By removing sediment from the channel, in-stream material extraction disrupts the preexisting balance between sediment supply and transporting capacity, typically inducing incision upstream and downstream of the extraction site. The resultant incision alters the frequency of floodplain inundation along the river courses, lowers valley floor water tables and frequently leads to destruction of bridges and channelization structures.



Sand Mining in beaches disturbs the ecosystem of different fauna of the beaches. The sand mining from natural barriers, made up of sand, causes flooding of the natural habitat. The sand mining activity destroys the aesthetic beauty of beaches and river bank and makes the ecosystem unstable. If there are popular tourist destination, tourism potential of such areas will lose.

It could be concluding that there has been little in-depth research in to the environmental and social also political effect of land use practice and calls for urgent redressed by the competent authority.

9.3. Remedial measure

9.3.1. Sustainable Mining Practices:

- The depth of mining in Riverbed shall not exceed 3 meter or water level whichever is less, provided that where the Joint Inspection Committee certifies about excessive deposit or over accumulation of mineral.
- Mining shall be done in layers of 1-meter depth to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layers.
- No stream should be diverted for the purpose of sand mining. No natural water course and/ or water resources are obstructed due to mining operations.
- No blasting shall be resorted to in River mining and without permission at any other place.

9.3.2. Monitoring the Mining of Mineral and its Transportation:

- For each mining lease site, the access should be controlled in a way that vehicles carrying mineral from that area are tracked and accounted for.
- There should be regular monitoring of the mining activities in the State to ensure effective compliance of stipulated EC conditions and of the provisions under the Minor Mineral Concessions Rules framed by the State Government.

9.3.3. Noise Management:

- Noise arising out of mining and processing shall be abated and controlled at source to keep within permissible limit.
- Restricted sand mining operation has to be carried out between 6 am to 7 pm.



9.3.4. Air Pollution and Dust Management:

- The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly.
- Air Pollution due to dust, exhaust emission or fumes during mining and processing phase should be controlled and kept in permissible limits specified under environmental laws.
- The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Wheel washing facility should be installed and used.

9.3.5. Bio-Diversity Protection:

- Restoration of flora affected by mining should be done immediately. Twice the number of trees destroyed by mining to be planted preferably of indigenous species. Each EC holder should plant and maintain for lease period at least 5 trees per hectare in area near lease.
- No mining lease shall be granted in the forest area without forest clearance in accordance with the provisions of the Forest Conservation Act, 1980 and the rules made there under.
- Protection of turtle and bird habitats shall be ensured.
- No felling of tree near quarry is allowed. For mining lease within 10km of the National Park / Sanctuary or in Eco-Sensitive Zone of the Protected Area, recommendation of Standing Committee of National Board of Wild Life (NBWL) has to be obtained as per the Hon'ble Supreme Court order in I.A. No. 460 of 2004.
- Spring sources should not be affected due to mining activities. Necessary Protection measures are to be incorporated.

9.3.6. Management of Instability and Erosion:

- Removal, stacking and utilization of top soil in mining are should be ensured. Where top soil cannot be used concurrently, it shall be stored separately for future use keeping in view that the bacterial organism should not die and should be spread nearby area.
- The EC should stipulate conditions for adequate steps to check soil erosion and control debris flow etc. by constructing engineering structures
- Use of oversize material to control erosion and movement of sediments
- No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in area where subsidence of rocks is likely to occur due to steep angle of slope.



- No extraction of boulder / sand in landslide prone areas.
- Controlled clearance of riparian vegetation to be undertaken.

9.3.7. Waste Management:

- Site clearance and tidiness is very much needed to have less visual impact of mining.
- Dumping of waste shall be done in earmarked places as approved in Mining Plan.
- Rubbish burial shall not be done in the rivers.

9.3.8. Pollution Prevention:

- Take all possible precautions for the protection of environment and control of pollution.
- Effluent discharge should be kept to the minimum and it should meet the standards prescribed.

9.3.9. Protection of Infrastructure:

- Mining activities shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archeological importance.
- For carrying out mining in proximity to any bridge or embankment, appropriate safety zone should be worked out on case-to-case basis, taking into account the structural parameters, location aspects and flow rate, and no mining should be carried out in the safety zone so worked out.

9.3.10. Baseline surveys and reclamation plan on completion of mining operations

- As per statute all mines/quarries are to be properly reclaimed before the final closure of the mine.
- A baseline survey of conditions before commencement of mining operations is to be prepared. This should include relevant cross-section data between two permanent benchmarks set back from the top of bank. The elevations should be referenced on the basis of the established bench marks.
- The proposed mining cross-section data should be plotted over the baseline data to depict the vertical extent of the proposed excavation.
- The cross-section of the fully replenished bar should be the same as that of the baseline data.



- A planimetric map showing the aerial extent of the excavation and extent of the riparian buffers must be prepared.
- A plantation plan should be prepared by the concerned DFO as prescribed above.
- Proper monitoring plan is to be prepared and implemented.

9.4. Risk assessment and disaster management plan

Risk analysis is the systematic study of risks encountered during various stages of mining operation. Risk analysis seek to identify the risks involved in mining operations, to understand how and when they arise, and estimate the impact (financial or otherwise) of adverse outcomes. The sand mining operation in the district is mainly done manually.

9.4.1. Identification of risk due to river sand mining

There is no land degradation due to mining activities as mining is done only on river bed dry surface. There will be no OB or waste generation as the sand is exposed in the river bed and is completely sealable. There will be neither any stacking of soil nor creation of OB dumps. The mining activity will carry out up to a maximum depth of 3m below the surface level. So, there is no chance of slope failure, bench failure in the mines. However, there are some identified risk in the mining activity which are as below:

1. Accident during sand loading and transportation
2. Inundation/ Flooding
3. Quick Sand Condition

9.4.2. Measures to prevent accidents during loading and transportation:

- During the loading truck would be brought to a lower level so that the loading operation suits to the ergonomic condition of the workers.
- The workers will be provided with gloves and safety shoes during loading.
- Opening of the side covers of the truck should be done carefully and with warning to prevent injury to the loaders.
- Mining Operations will be takes place during daylight only.
- The truck will be covered with tarpaulin and maintained to prevent any spillage.
- To avoid danger while reversing the trackless vehicles especially at the embankment and tipping points, all areas for reversing of Lorries should be made man free as far as possible.



- All transportation within the main working will be carried out directly under the supervision and control of the management.
- Overloading should not be permitted and the maximum permissible speed limit should be ensured.
- There will be regular maintenance of the trucks and the drivers will have valid driving license.

9.4.3. Measures to prevent incidents during Inundation/ Flooding:

To minimize the risk of flooding/ inundation following measures will be under taken:

- Mining will be completely closed during the monsoon months.
- Proper weather information particularly on rain should be kept during the operational period of mines so that precautionary measures will be undertaken.

9.4.4. Measures for mitigation to quick sand condition:

- Quick sand zone and deep-water zone will be clearly demarcated and all the mines workers will make aware of the location.
- Mining will be done strictly as per the approved mining plan.

9.4.5. Disaster management plan

As the depth of mining will be maximum of 3m below the surface level considering local condition, the risk related to mining activity is much less. The mining operation will be carried out under the supervision experienced and qualified Mines Manager having Certificate of Competency to manage the mines granted by DGMS. All the provisions of Mines Act 1952, MMR 1961 and Mines Rules 1955 and other laws applicable to mine will strictly be complied. During heavy rainfall and during the monsoon season the mining activities will be closed. Proper coordination with Irrigation Department should be maintained so that at the time of releasing water, if any, from the dam suitable warning/information is given in advance. Special attention and requisite precautions shall be taken while working in areas of geological weakness like existence of slip, fault etc. The mining site will be supplied with first aid facilities and the entire mines worker will have access to that.



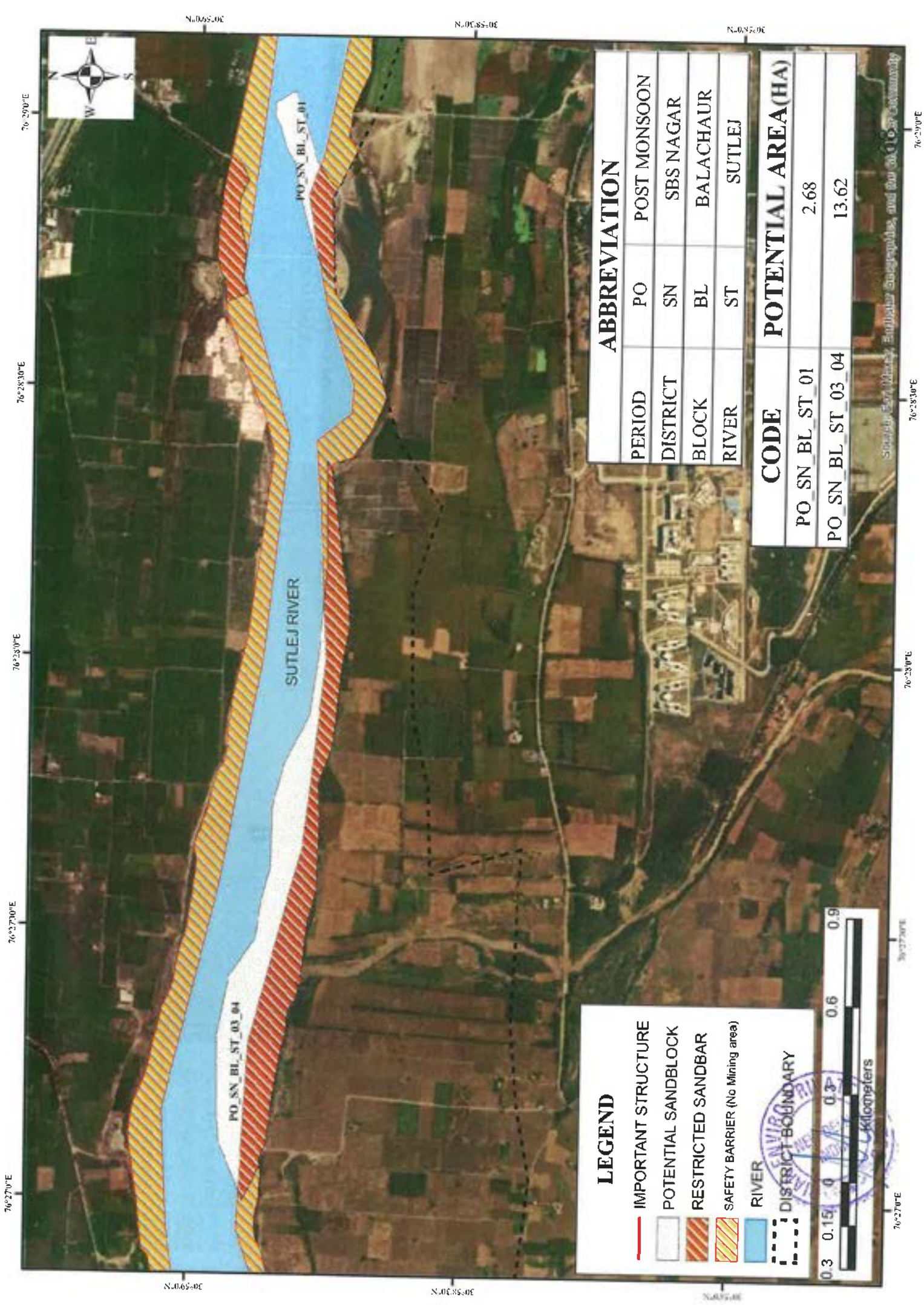
10 Conclusion:

1. It has been observed during the preparation of district survey report that the district does not have any in-situ minor mineral occurrences as per the till date studies being carried out by various authorities and agencies. Riverbed sand is the only minor minerals of SBS Nagar District.
2. The replenishment study has been carried out during the preparation of this DSR after analyzing datasets of pre monsoon & post monsoon period of 2022.
3. Both field-based surveys coupled with satellite imagery study and empirical studies were carried out to determine the rate of replenishment in each river of the district.
4. The study reveals potential sand resources of 7.17 Mcum on Sutlej River. Total resource blocked due to no mining criteria is about 3.13 Mcum. Therefore, a mineable resource which 60% of the potential resource is of 4.30 Mcum which is comes to about 6.71 MT after considering bulk density of sand of 1.56 kg/l. **(The total potential sand resources and 60% minable resources is mentioned in table no. 7.7 & No mining area is mentioned in table no. 7.8).**
5. It is suggested to have a periodical review along with field data acquisition during pre and post monsoon periods to record the seasonal variance of the sedimentation rate on annual basis and update this DSR in case of any abnormal findings.



Plate I
Map showing potential sandbar on Sutlej River, SBS Nagar District










ABBREVIATION

PERIOD	PO	POST MONSOON
DISTRICT	SN	SBS NAGAR
BLOCK	BL	BALACHAUR
RIVER	ST	SUTLEJ

POTENTIAL AREA(HA)

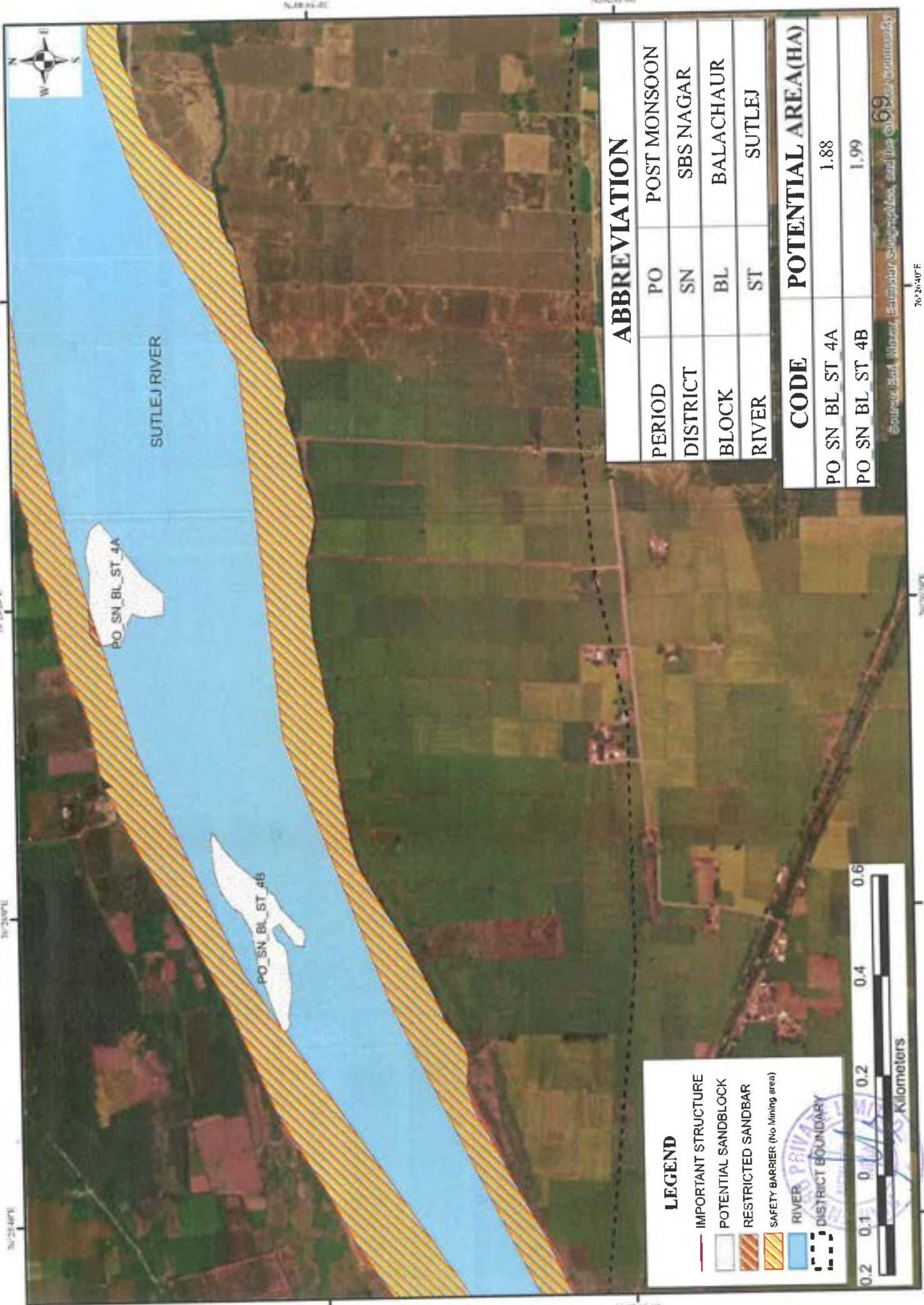
PO SN BL ST 01	2.68
PO SN BL ST 03 04	13.62

LEGEND

-  IMPORTANT STRUCTURE
-  POTENTIAL SANDBLOCK
-  RESTRICTED SANDBAR
-  SAFETY BARRIER (No Mining area)
-  RIVER
-  DISTRICT BOUNDARY



Sutlej, Sirhind, Malwa, Bahawalpur Subdivisions, and Sirhind District



LEGEND

- IMPORTANT STRUCTURE
- POTENTIAL SANDBLOCK
- ▨ RESTRICTED SANDBAR
- ▩ SAFETY BARRIER (No Mining area)
- ▭ RIVER
- ⋯ DISTRICT BOUNDARY



ABBREVIATION

PERIOD	PO	POST MONSOON
DISTRICT	SN	SBS NAGAR
BLOCK	BL	BALACHAUR
RIVER	ST	SUTLEJ

CODE	POTENTIAL AREA(HA)
PO SN BL ST 4A	1.88
PO SN BL ST 4B	1.99

Sources: Soil, Water, Elevation, Topography, and Use © 1999

76°20'40"E

76°20'40"E

76°20'40"E

76°20'40"E

76°20'40"E

76°20'40"E

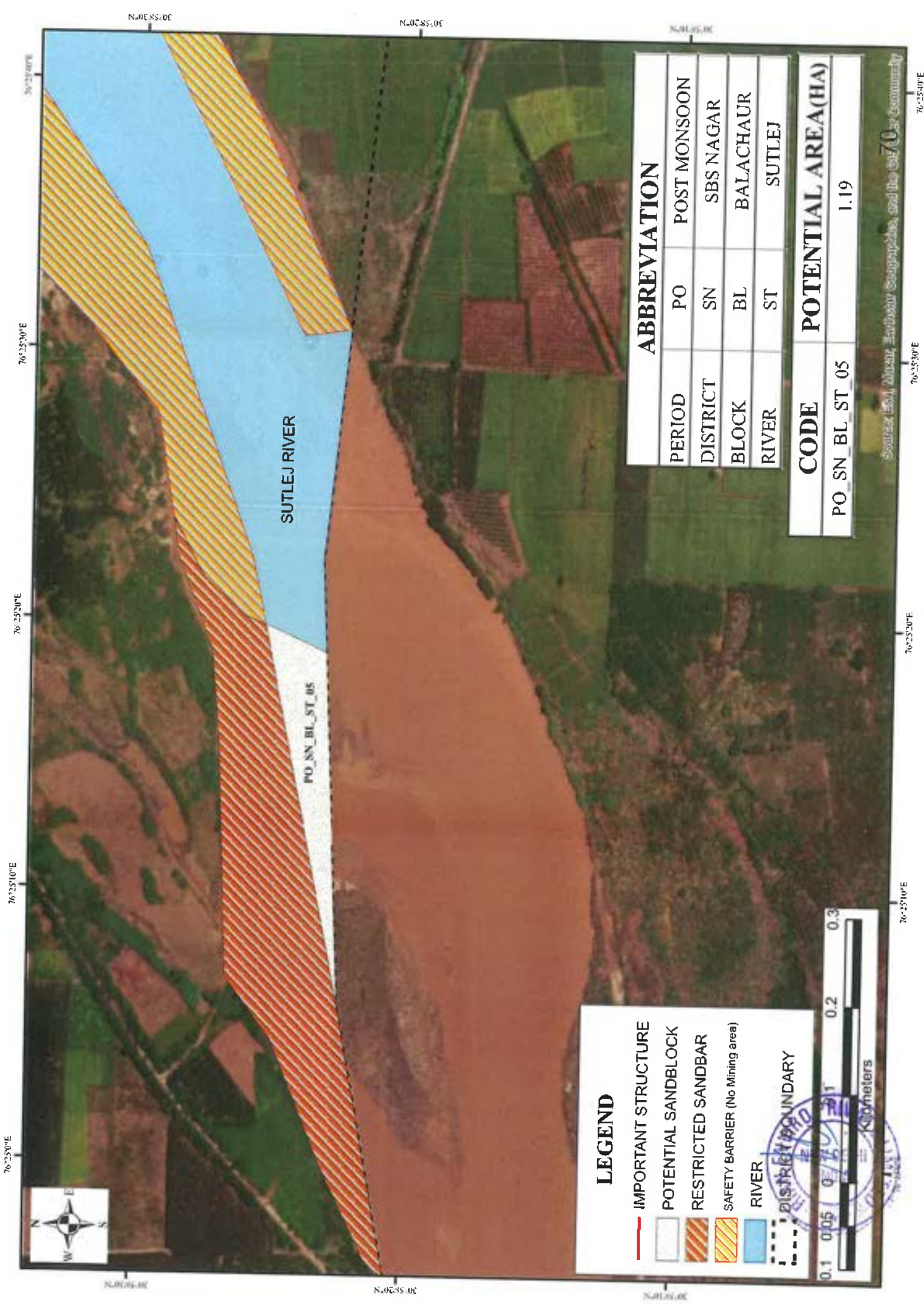
76°20'40"E

31°23'40"N







31°23'40"N

31°23'40"N

31°23'40"N



LEGEND

-  IMPORTANT STRUCTURE
-  POTENTIAL SANDBLOCK
-  RESTRICTED SANDBAR
-  SAFETY BARRIER (No Mining area)
-  RIVER
-  DISTRICT BOUNDARY



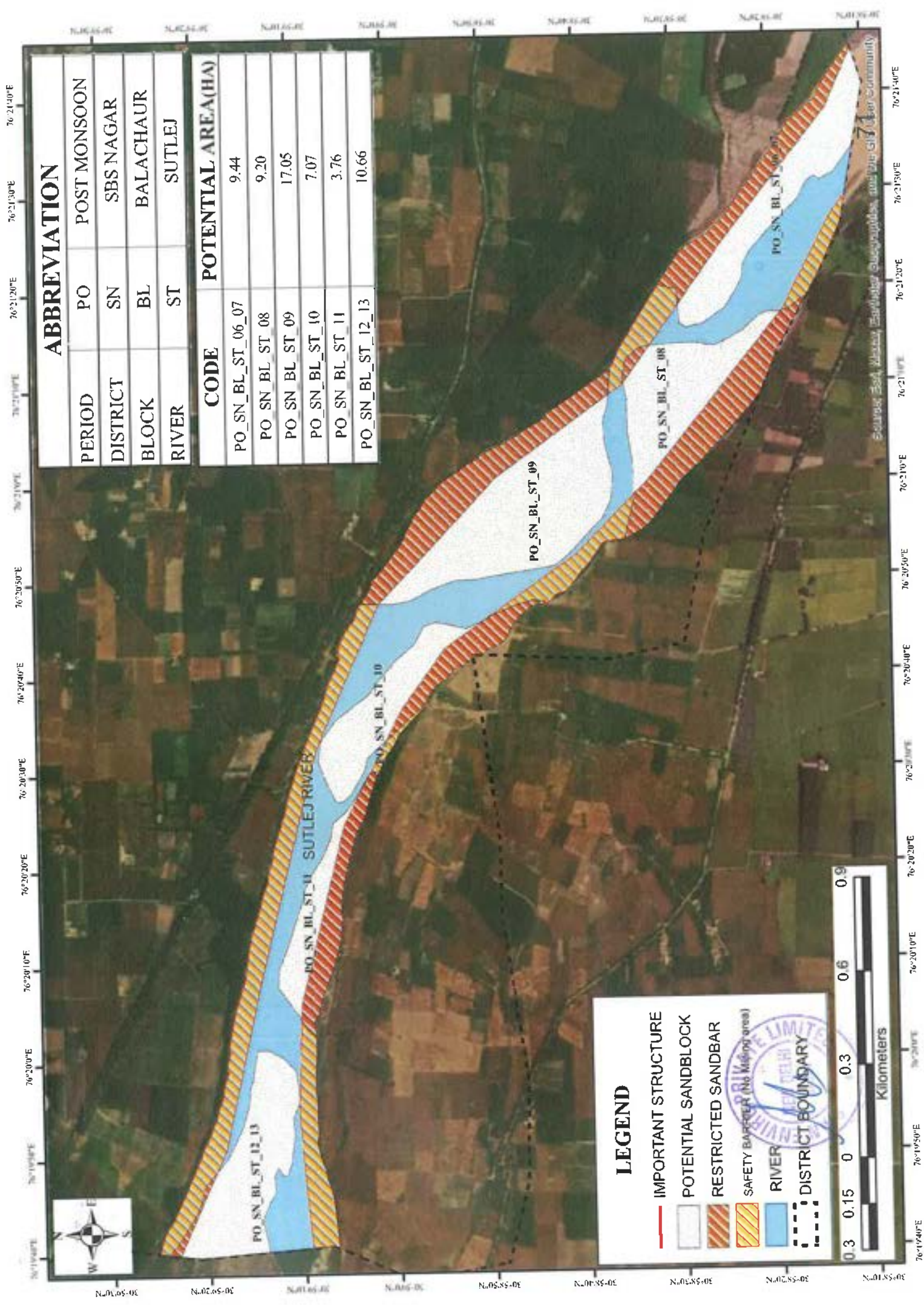
ABBREVIATION

PERIOD	PO	POST MONSOON
DISTRICT	SN	SBS NAGAR
BLOCK	BL	BALACHAUR
RIVER	ST	SUTLEJ

POTENTIAL AREA(HA)

PO_SN_BL_ST_05	1.19
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNR Aero, IGN, US Community



ABBREVIATION

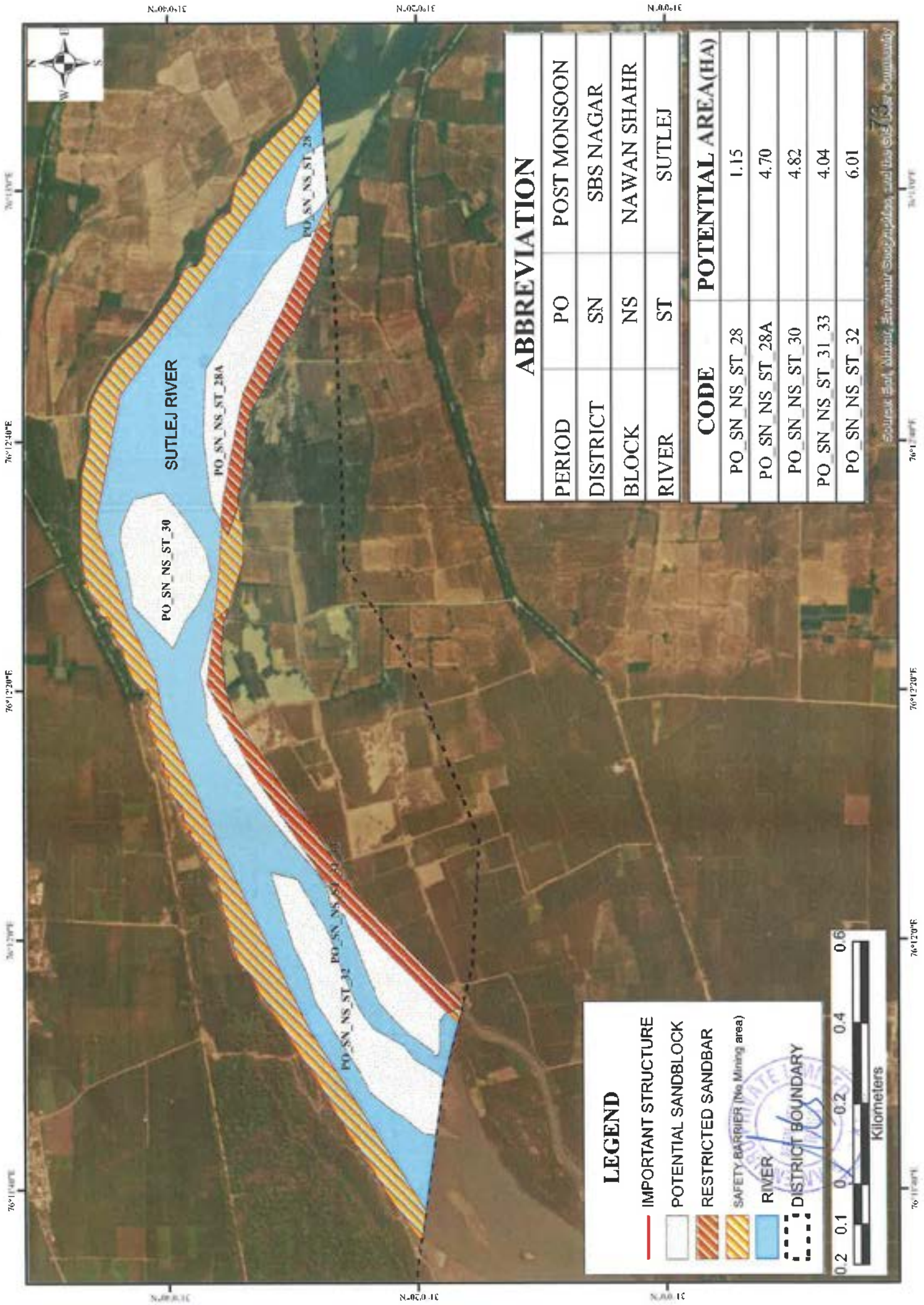
PERIOD	PO	POST MONSOON
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BLOCK	BL	BALACHAUR
RIVER	ST	SUTLEJ
CODE	POTENTIAL AREA(HA)	
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PO SN BL ST 08	9.20	
PO SN BL ST 09	17.05	
PO SN BL ST 10	7.07	
PO SN BL ST 11	3.76	
PO SN BL ST 12_13	10.66	

LEGEND

- IMPORTANT STRUCTURE
- POTENTIAL SANDBLOCK
- RESTRICTED SANDBAR
- SAFETY BARRIER (No Milong area)
- RIVER
- DISTRICT BOUNDARY



Source: Esri, DigitalGlobe, GeoEye, IGN, GeoEye, and the GIS User Community



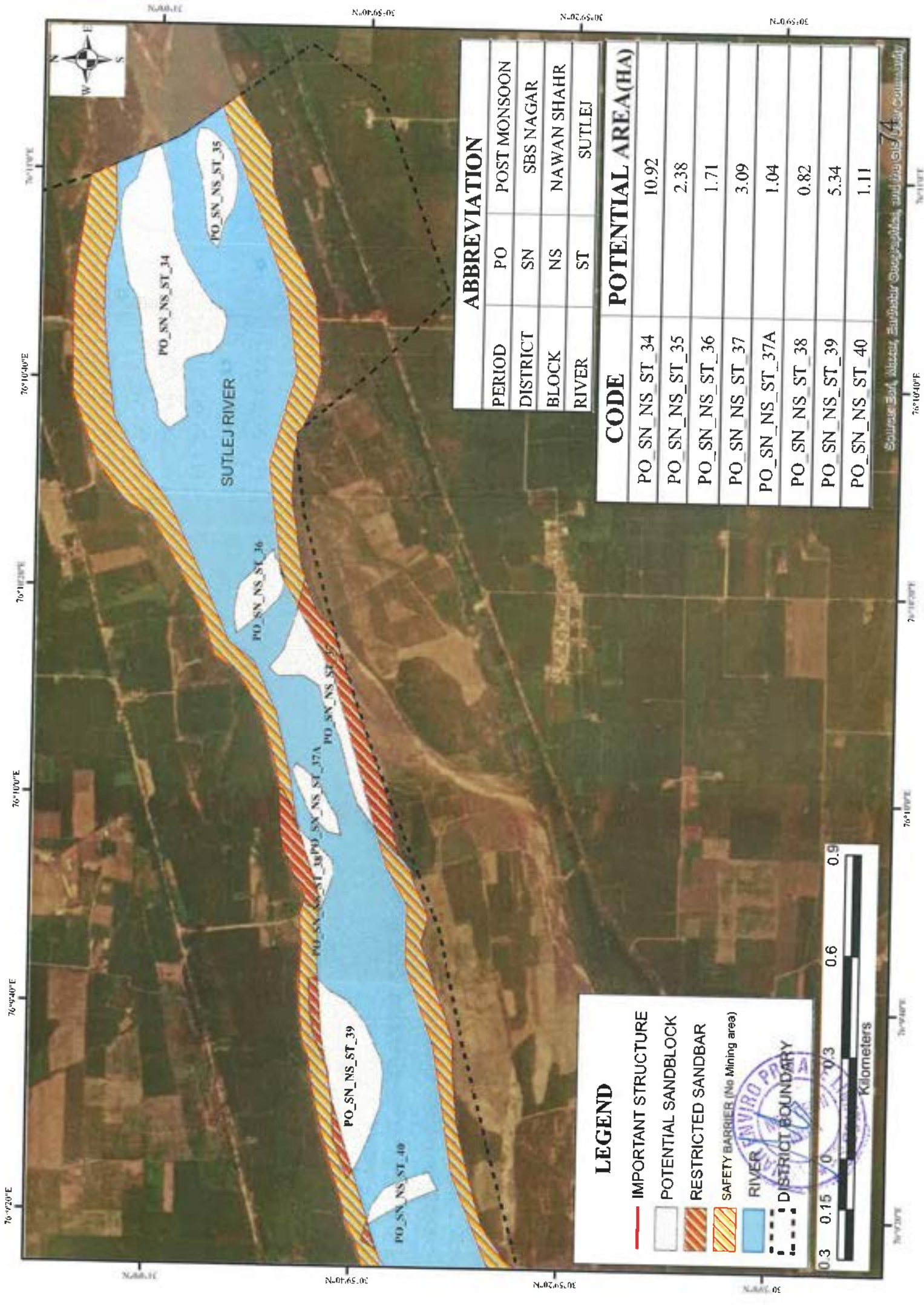
ABBREVIATION			
PERIOD	PO	POST MONSOON	
DISTRICT	SN	SBS NAGAR	
BLOCK	NS	NAWAN SHAHR	
RIVER	ST	SUTLEJ	
CODE		POTENTIAL AREA(HA)	
PO SN NS ST 28			1.15
PO SN NS ST 28A			4.70
PO SN NS ST 30			4.82
PO SN NS ST 31 33			4.04
PO SN NS ST 32			6.01

LEGEND

- IMPORTANT STRUCTURE
- POTENTIAL SANDBLOCK
- ▨ RESTRICTED SANDBAR
- ▧ SAFETY BARRIER (No Mining area)
- RIVER
- - - DISTRICT BOUNDARY



Sources: Soil, Mineral, Atmospheric Geochemicals and the Geospatial Community



ABBREVIATION

PERIOD	PO	POST MONSOON
DISTRICT	SN	SBS NAGAR
BLOCK	NS	NAWAN SHAHR
RIVER	ST	SUTLEJ

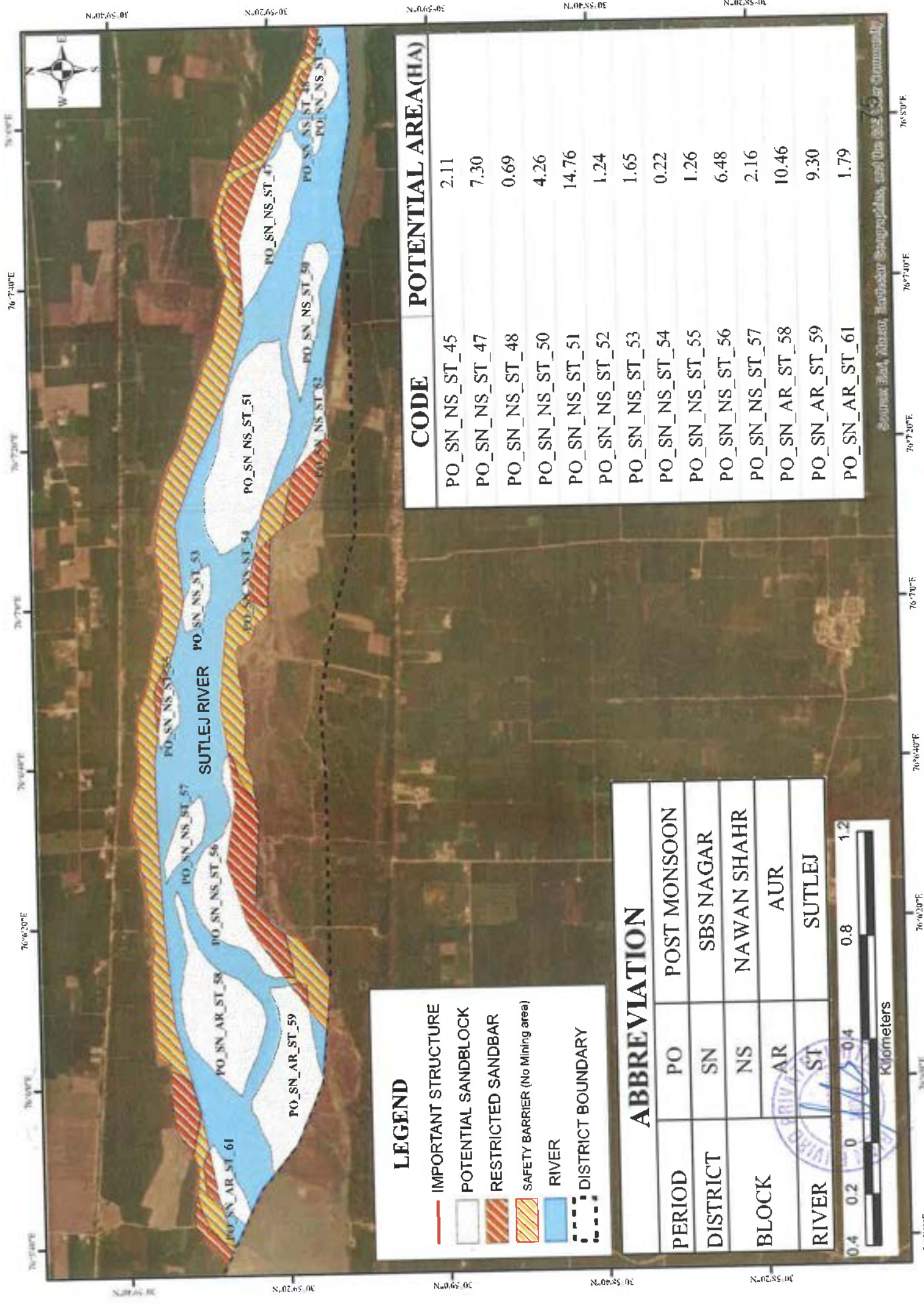
POTENTIAL AREA(HA)

CODE	POTENTIAL AREA(HA)
PO_SN_NS_ST_34	10.92
PO_SN_NS_ST_35	2.38
PO_SN_NS_ST_36	1.71
PO_SN_NS_ST_37	3.09
PO_SN_NS_ST_37A	1.04
PO_SN_NS_ST_38	0.82
PO_SN_NS_ST_39	5.34
PO_SN_NS_ST_40	1.11







LEGEND

-  IMPORTANT STRUCTURE
-  POTENTIAL SANDBLOCK
-  RESTRICTED SANDBAR
-  SAFETY BARRIER (No Mining area)
-  RIVER
-  DISTRICT BOUNDARY





LEGEND

-  IMPORTANT STRUCTURE
-  POTENTIAL SANDBLOCK
-  RESTRICTED SANDBAR
-  SAFETY BARRIER (No Mining area)
-  RIVER
-  DISTRICT BOUNDARY

ABBREVIATION

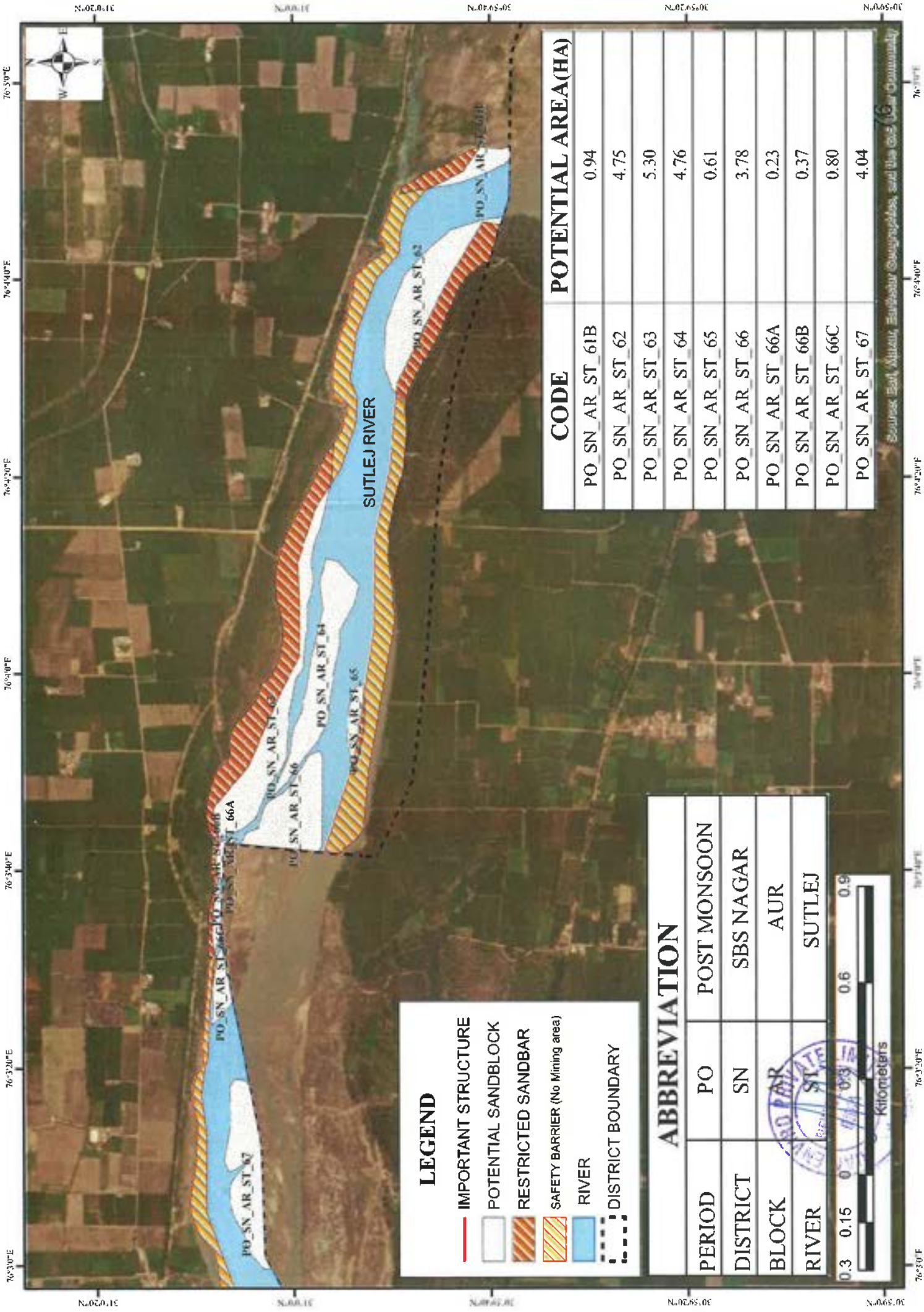
PERIOD	PO	POST MONSOON
DISTRICT	SN	SBS NAGAR
BLOCK	NS	NAWAN SHAHR
	AR	AUR
RIVER	ST	SUTLEJ









POTENTIAL AREA(HA)

CODE	POTENTIAL AREA(HA)
PO_SN_NS_ST_45	2.11
PO_SN_NS_ST_47	7.30
PO_SN_NS_ST_48	0.69
PO_SN_NS_ST_50	4.26
PO_SN_NS_ST_51	14.76
PO_SN_NS_ST_52	1.24
PO_SN_NS_ST_53	1.65
PO_SN_NS_ST_54	0.22
PO_SN_NS_ST_55	1.26
PO_SN_NS_ST_56	6.48
PO_SN_NS_ST_57	2.16
PO_SN_AR_ST_58	10.46
PO_SN_AR_ST_59	9.30
PO_SN_AR_ST_61	1.79

Source: Soil, Mineral, Hydrology, Topography, and the GIS & ArcGIS



LEGEND

-  IMPORTANT STRUCTURE
-  POTENTIAL SANDBLOCK
-  RESTRICTED SANDBAR
-  SAFETY BARRIER (No Mining area)
-  RIVER
-  DISTRICT BOUNDARY

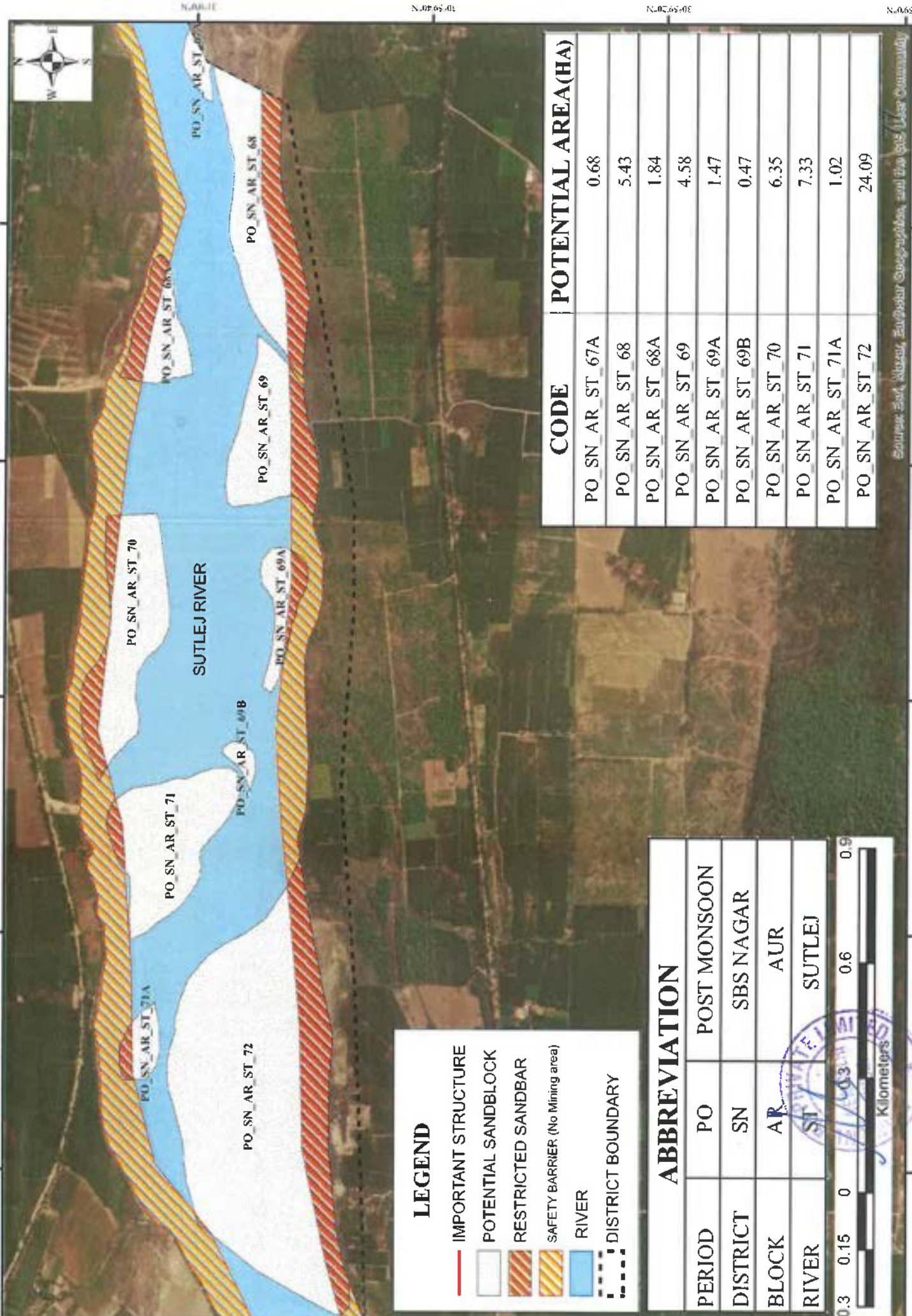
ABBREVIATION

PERIOD	PO	POST MONSOON
DISTRICT	SN	SBS NAGAR
BLOCK	AUR	AUR
RIVER	SUTLEJ	SUTLEJ



CODE	POTENTIAL AREA(HA)
PO SN AR ST 61B	0.94
PO SN AR ST 62	4.75
PO SN AR ST 63	5.30
PO SN AR ST 64	4.76
PO SN AR ST 65	0.61
PO SN AR ST 66	3.78
PO SN AR ST 66A	0.23
PO SN AR ST 66B	0.37
PO SN AR ST 66C	0.80
PO SN AR ST 67	4.04

76°12'0"E 76°14'0"E 76°16'0"E 76°18'0"E 76°20'0"E



LEGEND

- IMPORTANT STRUCTURE
- POTENTIAL SANDBLOCK
- ▨ RESTRICTED SANDBAR
- ▨ SAFETY BARRIER (No Mining area)
- RIVER
- - - DISTRICT BOUNDARY

ABBREVIATION

PERIOD	PO	POST MONSOON
DISTRICT	SN	SBS NAGAR
BLOCK	AR	AUR
RIVER	ST	SUTLEJ



CODE	POTENTIAL AREA(HA)
PO_SN_AR_ST_67A	0.68
PO_SN_AR_ST_68	5.43
PO_SN_AR_ST_68A	1.84
PO_SN_AR_ST_69	4.58
PO_SN_AR_ST_69A	1.47
PO_SN_AR_ST_69B	0.47
PO_SN_AR_ST_70	6.35
PO_SN_AR_ST_71	7.33
PO_SN_AR_ST_71A	1.02
PO_SN_AR_ST_72	24.09

Source: Sat, Nastr, Earthstar Corporation, and the GIS User Community

N.00°0'N 31°59'40"N 30°59'20"N N.00°0'N 76°12'0"E 76°14'0"E 76°16'0"E 76°18'0"E 76°20'0"E

75°58'40"E

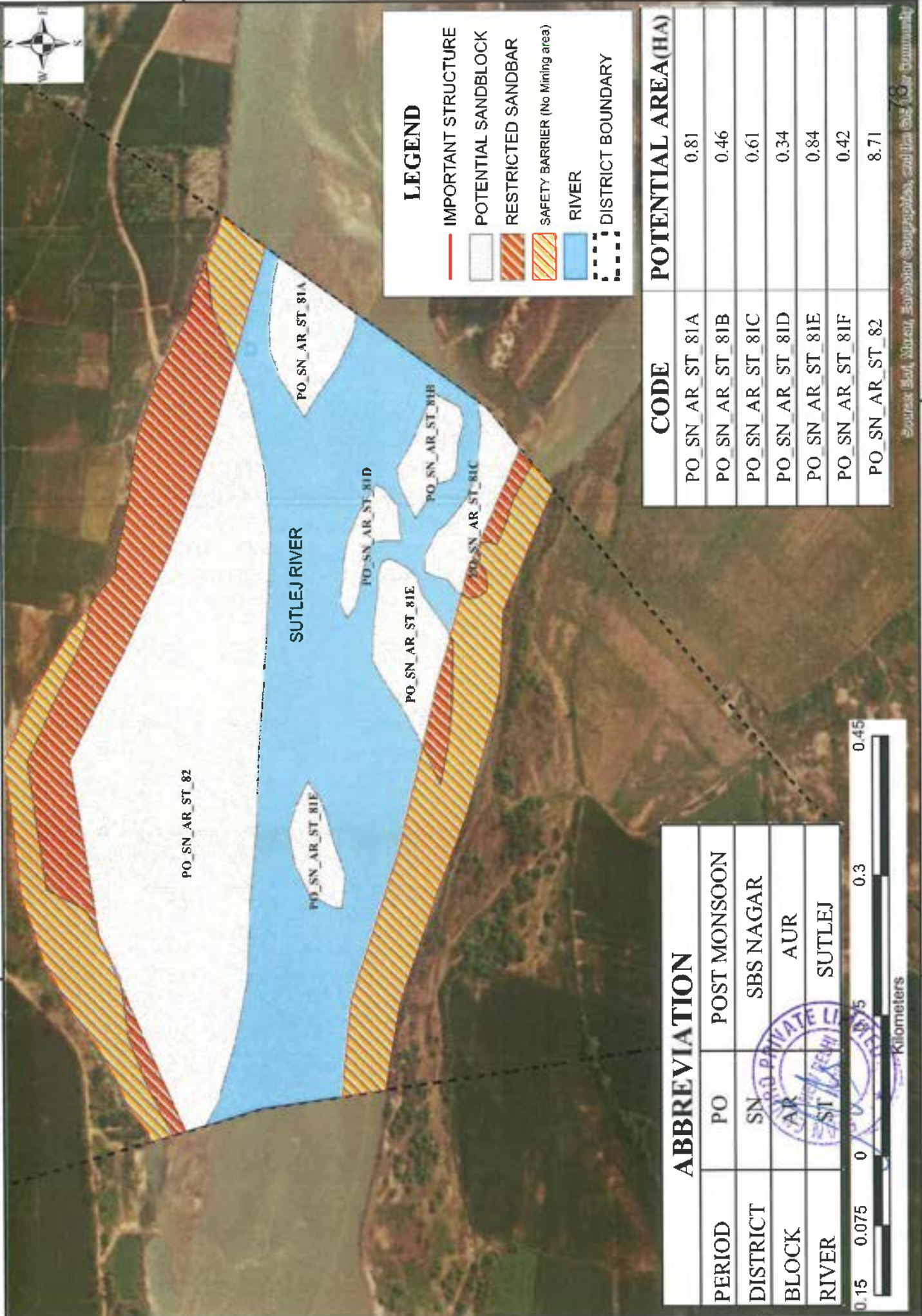
75°58'30"E

N.09.0.10







N.09.0.10

N.09.0.10

N.09.0.10



LEGEND

-  IMPORTANT STRUCTURE
-  POTENTIAL SANDBLOCK
-  RESTRICTED SANDBAR
-  SAFETY BARRIER (No Mining area)
-  RIVER
-  DISTRICT BOUNDARY

CODE	POTENTIAL AREA(HA)
PO_SN_AR_ST_81A	0.81
PO_SN_AR_ST_81B	0.46
PO_SN_AR_ST_81C	0.61
PO_SN_AR_ST_81D	0.34
PO_SN_AR_ST_81E	0.84
PO_SN_AR_ST_81F	0.42
PO_SN_AR_ST_82	8.71

ABBREVIATION

PERIOD	PO	POST MONSOON
DISTRICT	SN	SBS NAGAR
BLOCK	AUR	AUR
RIVER	SUTLEJ	SUTLEJ



Source: Soil, Water, Ecological Surveys, and the Soil & Water Community

75°58'30"E

75°58'30"E

Plate II
**SBS nagar Elevation Map & Longitudinal cross-section (L-
Section)**

76°0'0"E

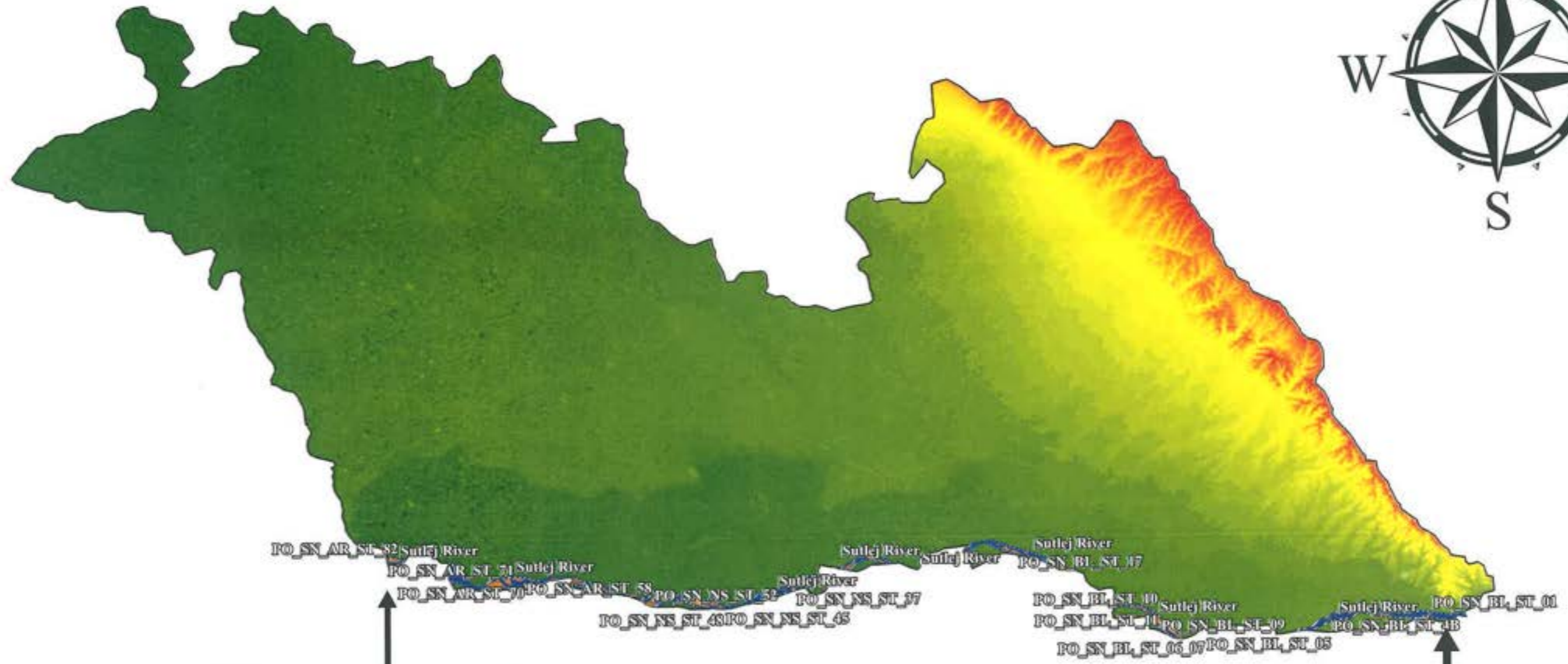
76°30'0"E

SBS NAGAR ELEVATION MAP (CARTOSAT NRSC)



31°0'0"N

31°0'0"N



PO_SN_AR_ST_82 Sutlej River
 PO_SN_AR_ST_71 Sutlej River
 PO_SN_AR_ST_70 PO_SN_AR_ST_58 PO_SN_NS_ST_52 PO_SN_NS_ST_37
 PO_SN_NS_ST_43 PO_SN_NS_ST_45
 Sutlej River Sutlej River Sutlej River
 PO_SN_BL_ST_17
 PO_SN_BL_ST_10 Sutlej River
 PO_SN_BL_ST_11 PO_SN_BL_ST_09 PO_SN_BL_ST_08
 PO_SN_BL_ST_06 PO_SN_BL_ST_05
 Sutlej River PO_SN_BL_ST_01

RIVER EXIT POINT
Elevation - 243 m

RIVER ENTRY POINT
Elevation - 265 m



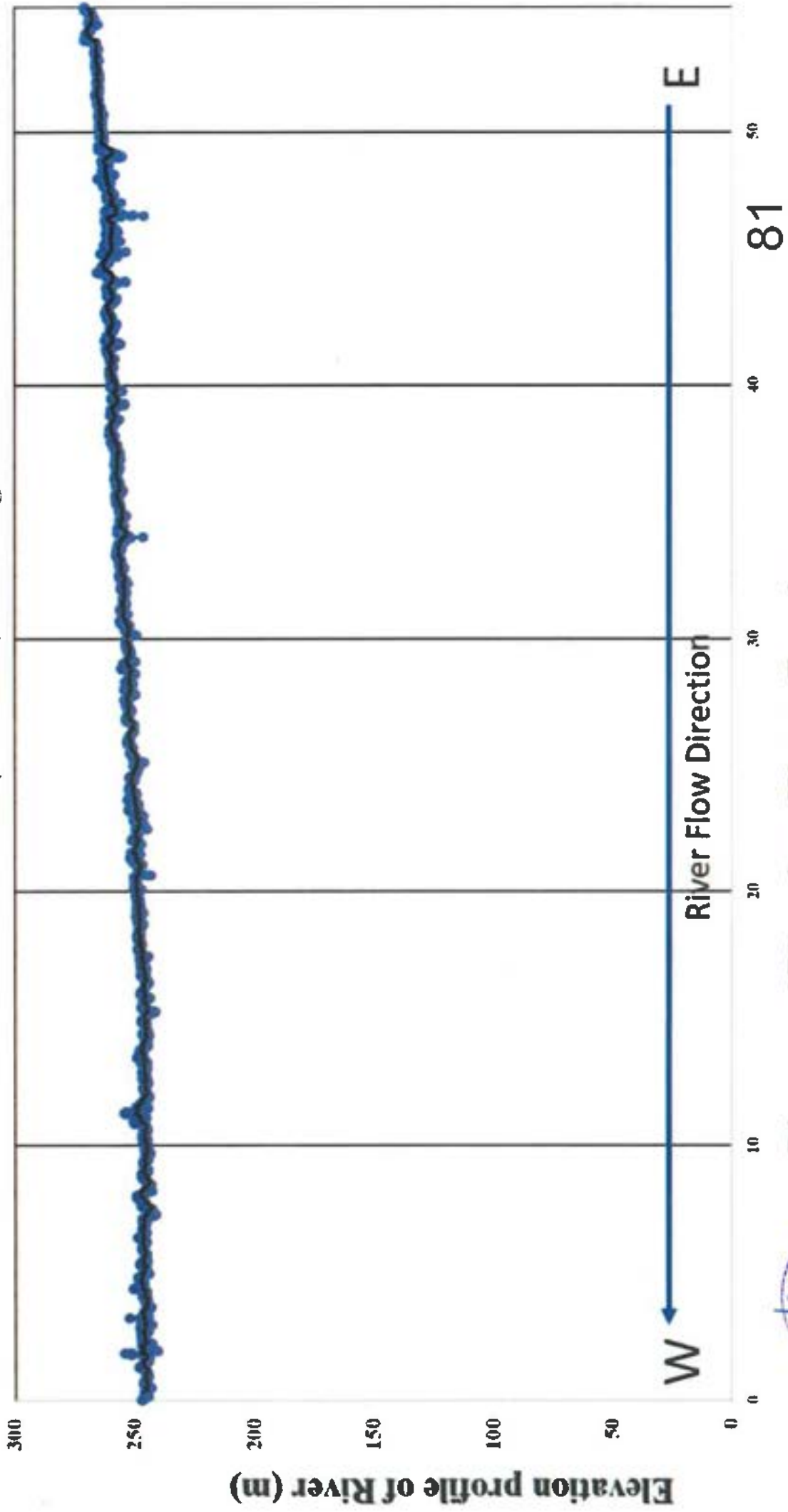
DEM SOURCE: <https://moon-sat1.nrsc.gov.in/data/download/index.php>
data: CARTOSAT DEM (1.2 m Spatial Resolution)

0 3.25 6.5 13 19.5 26 Kilometers

76°0'0"E

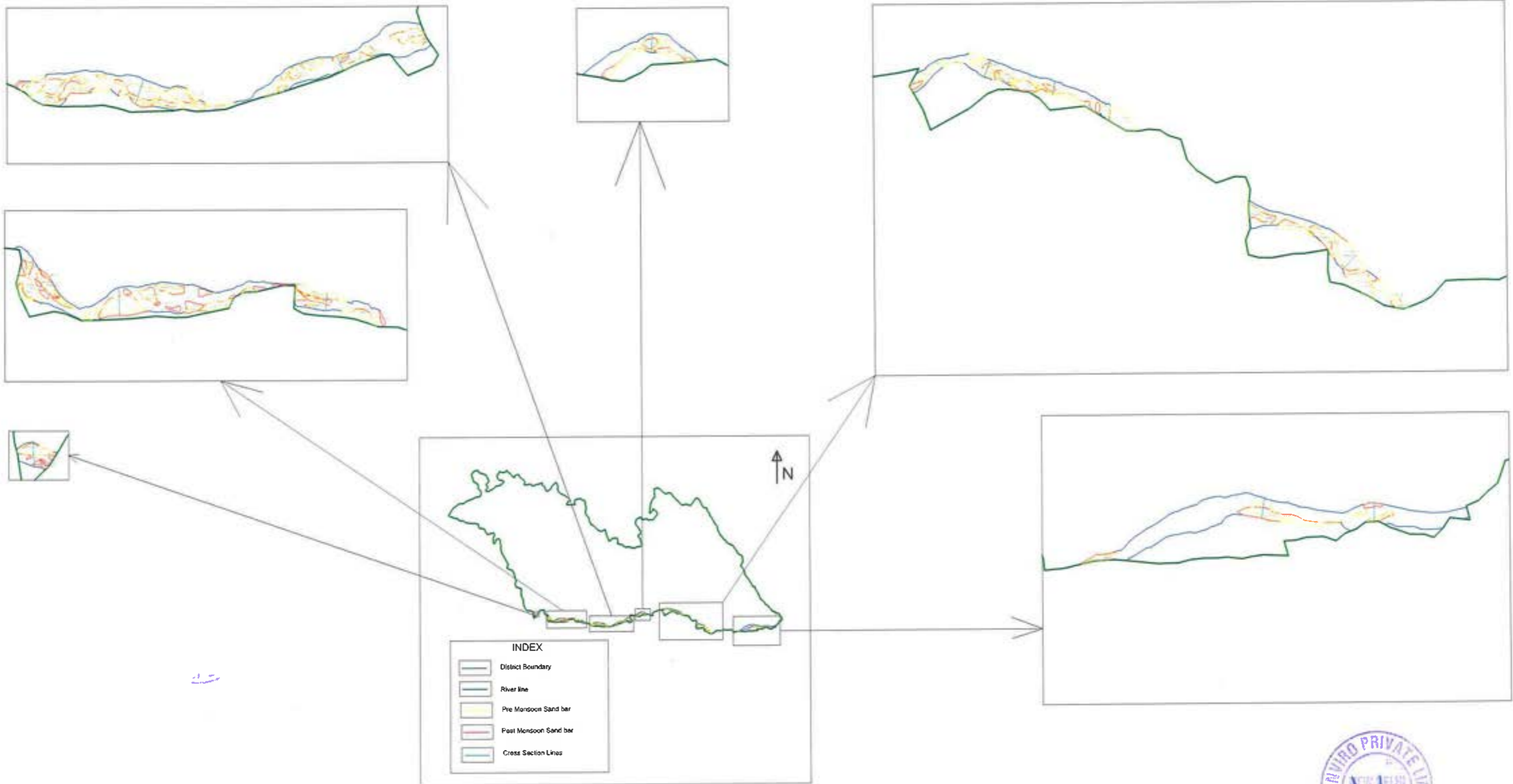
76°30'0"E

River L Section (SUTLEJ) SBS Nagar

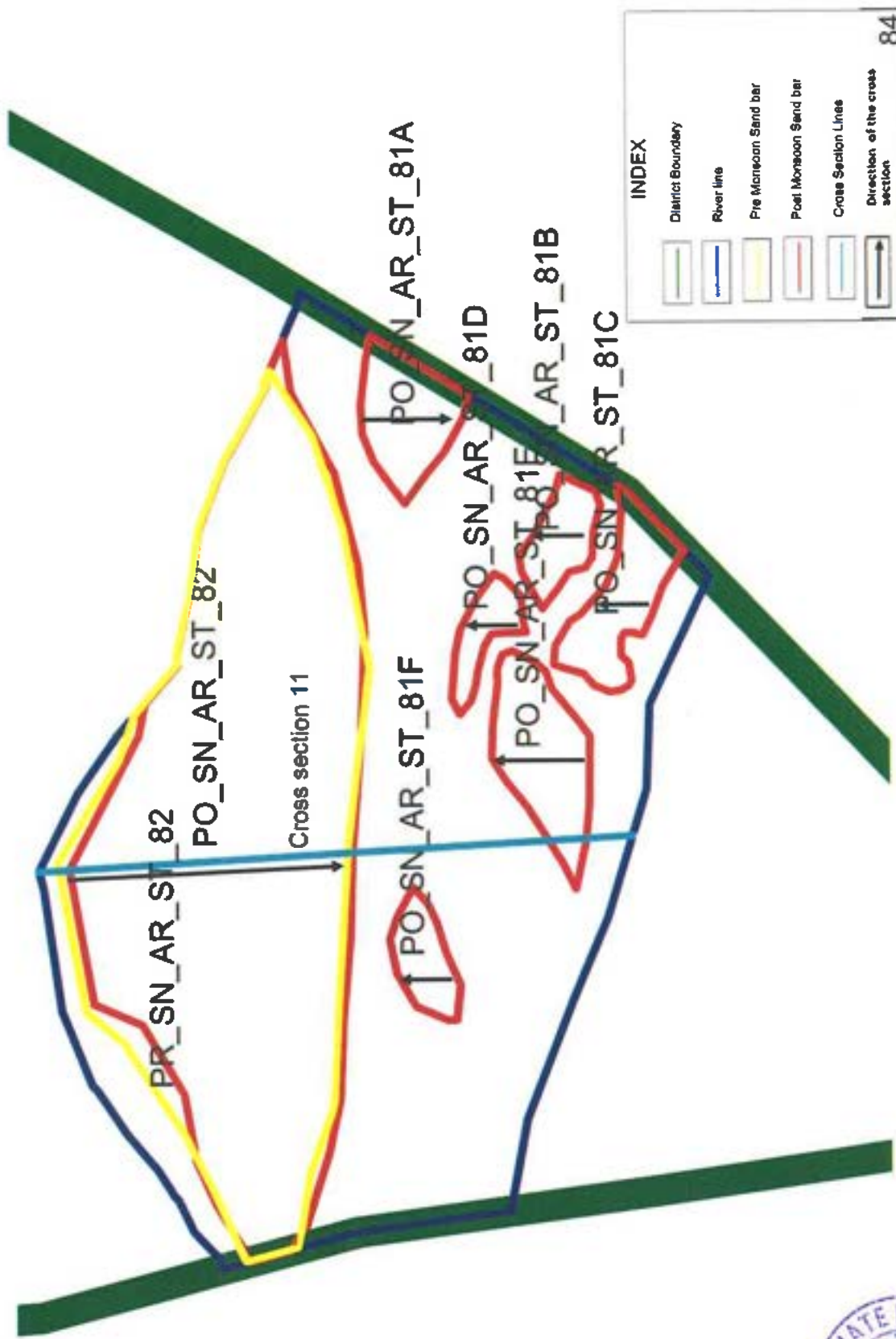


Distance of River from West to East (km)

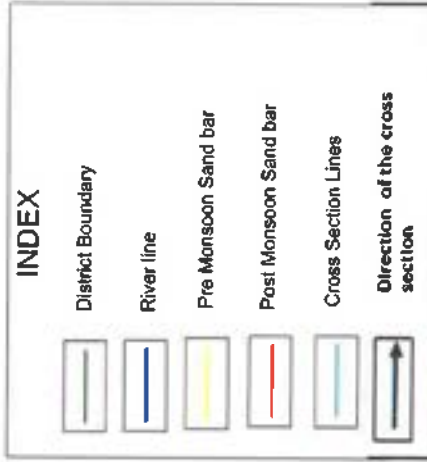
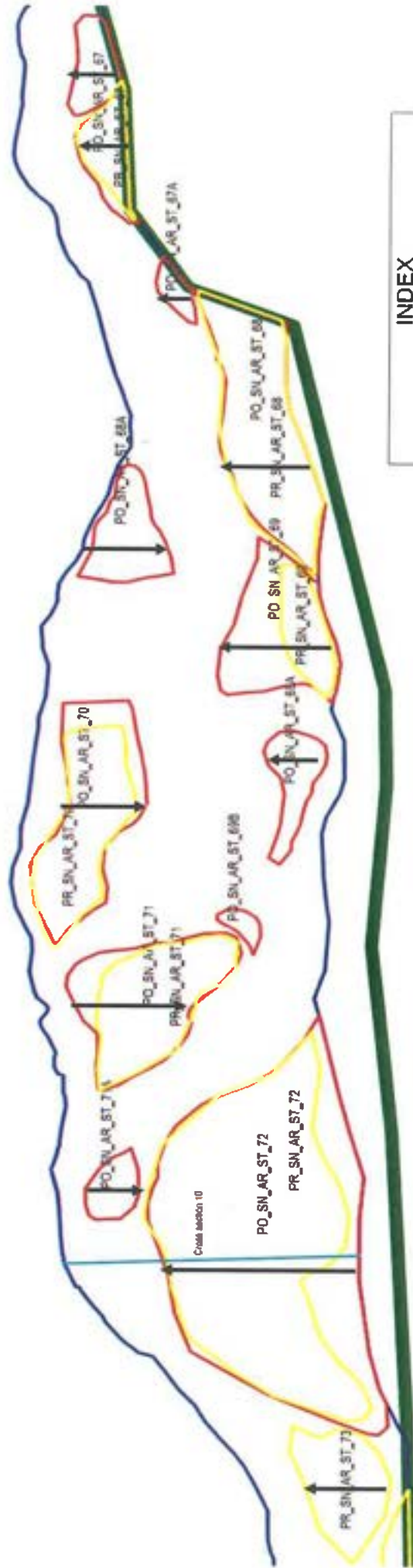
Plate III
Cross section line plotted along potential sandbar on Sutlej River, SBS Nagar District



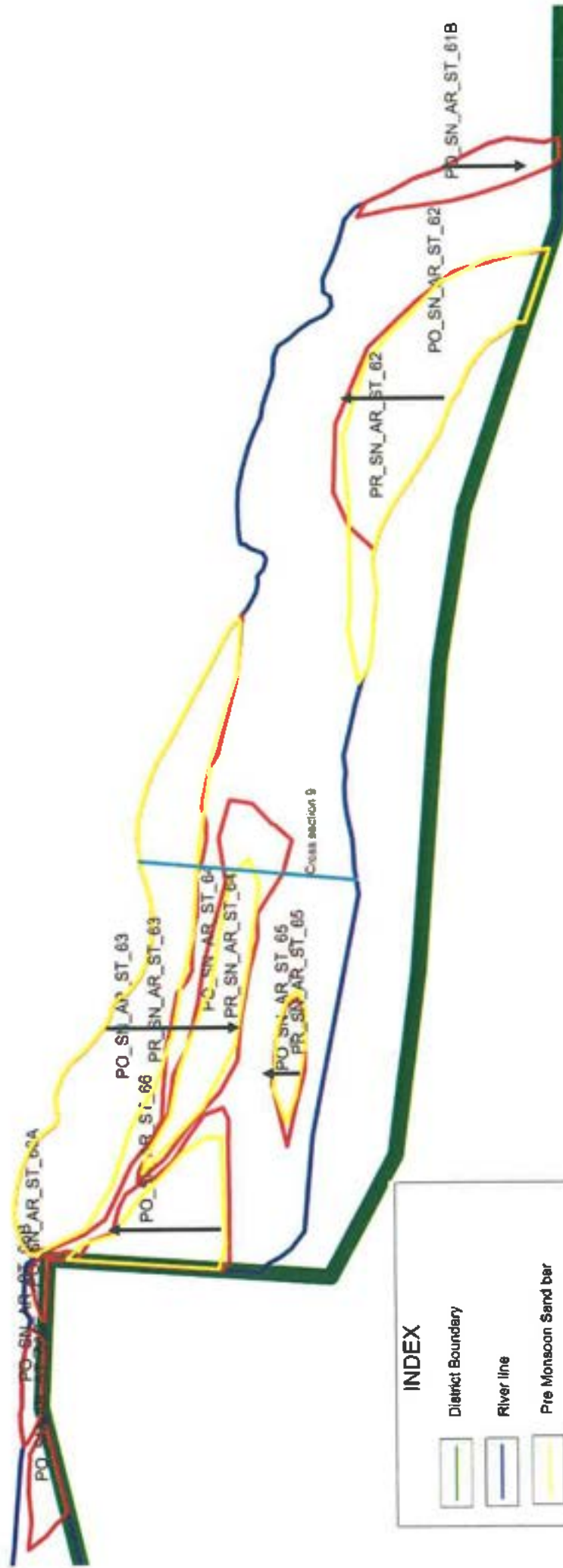
RD 49.5-50.5



RD 42-45.5



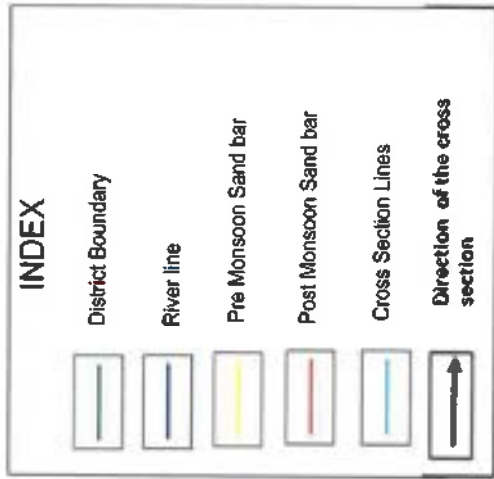
RD 40.5-42



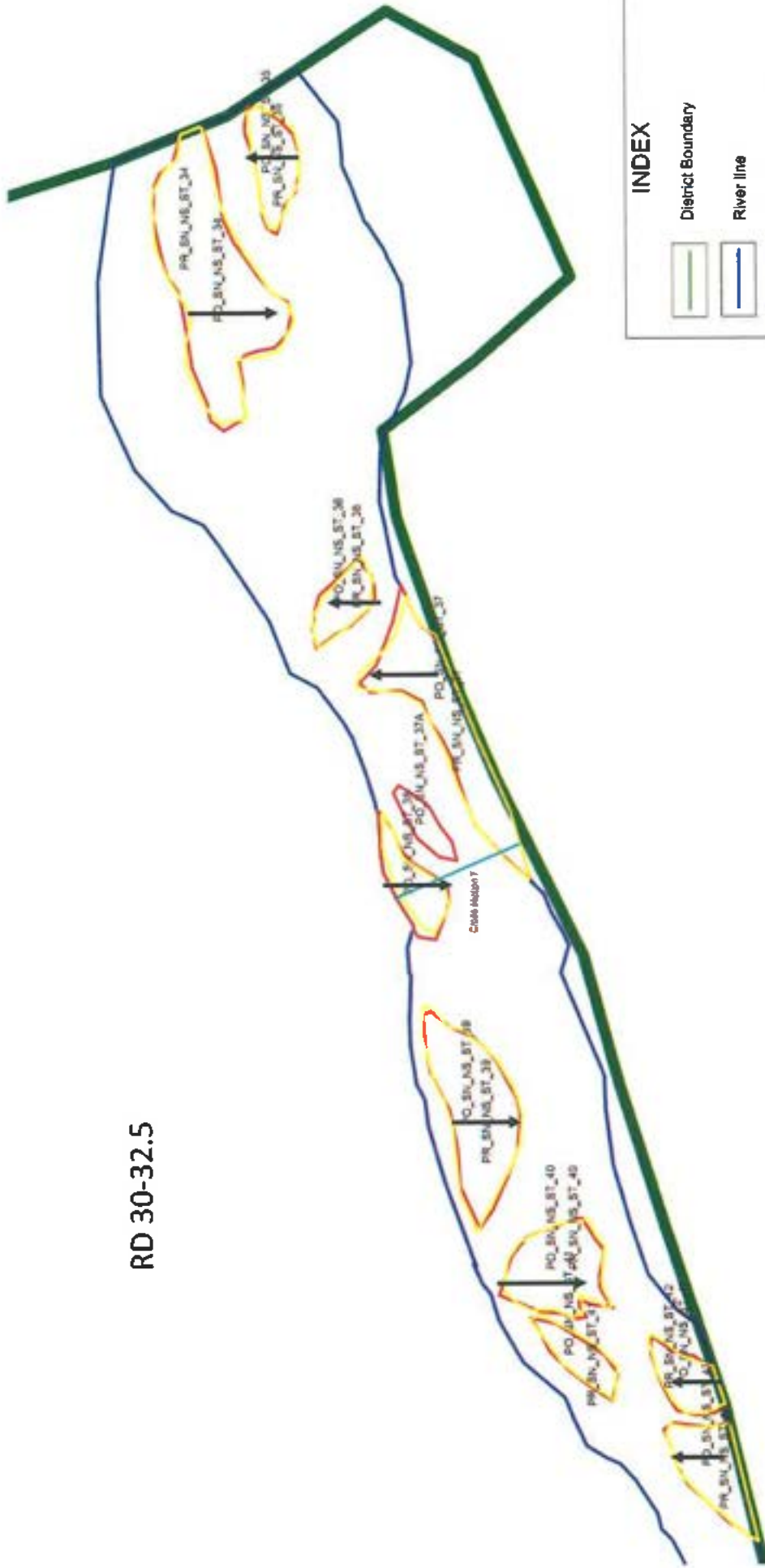
INDEX	
	District Boundary
	River line
	Pre Monsoon Sand bar
	Post Monsoon Sand bar
	Cross Section Lines
	Direction of the cross section



RD 34.5- 38.5



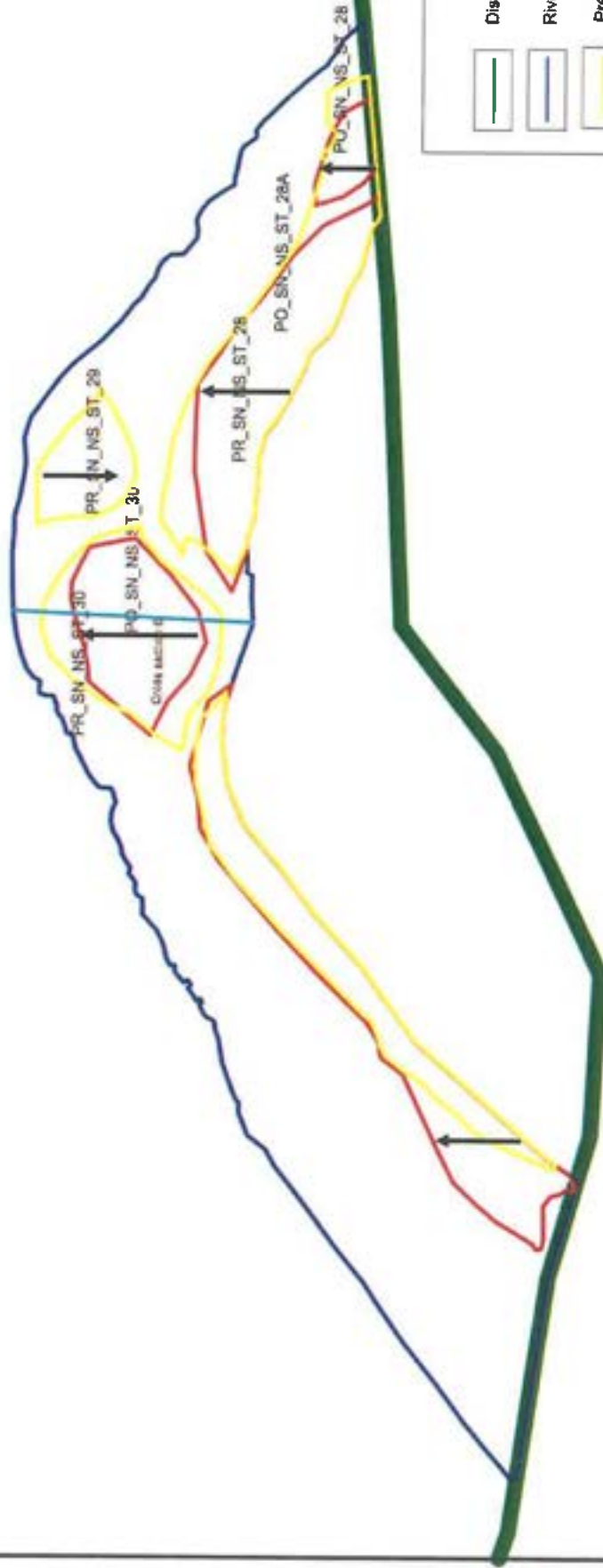
RD 30-32.5



INDEX	
	District Boundary
	River line
	Pre Monsoon Sand bar
	Post Monsoon Sand bar
	Cross Saction Lines
	Direction of the cross section



RD 27-29









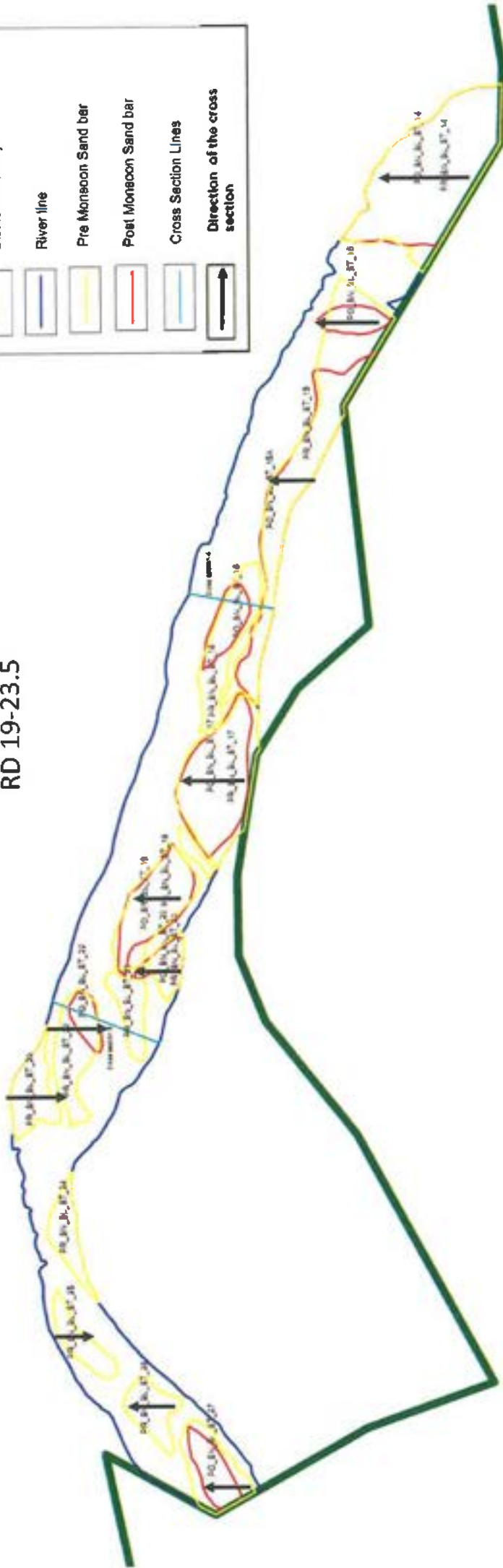
INDEX	
	District Boundary
	River line
	Pre Monsoon Sand bar
	Post Monsoon Sand bar
	Cross Section Lines
	Direction of the cross section









RD 19-23.5

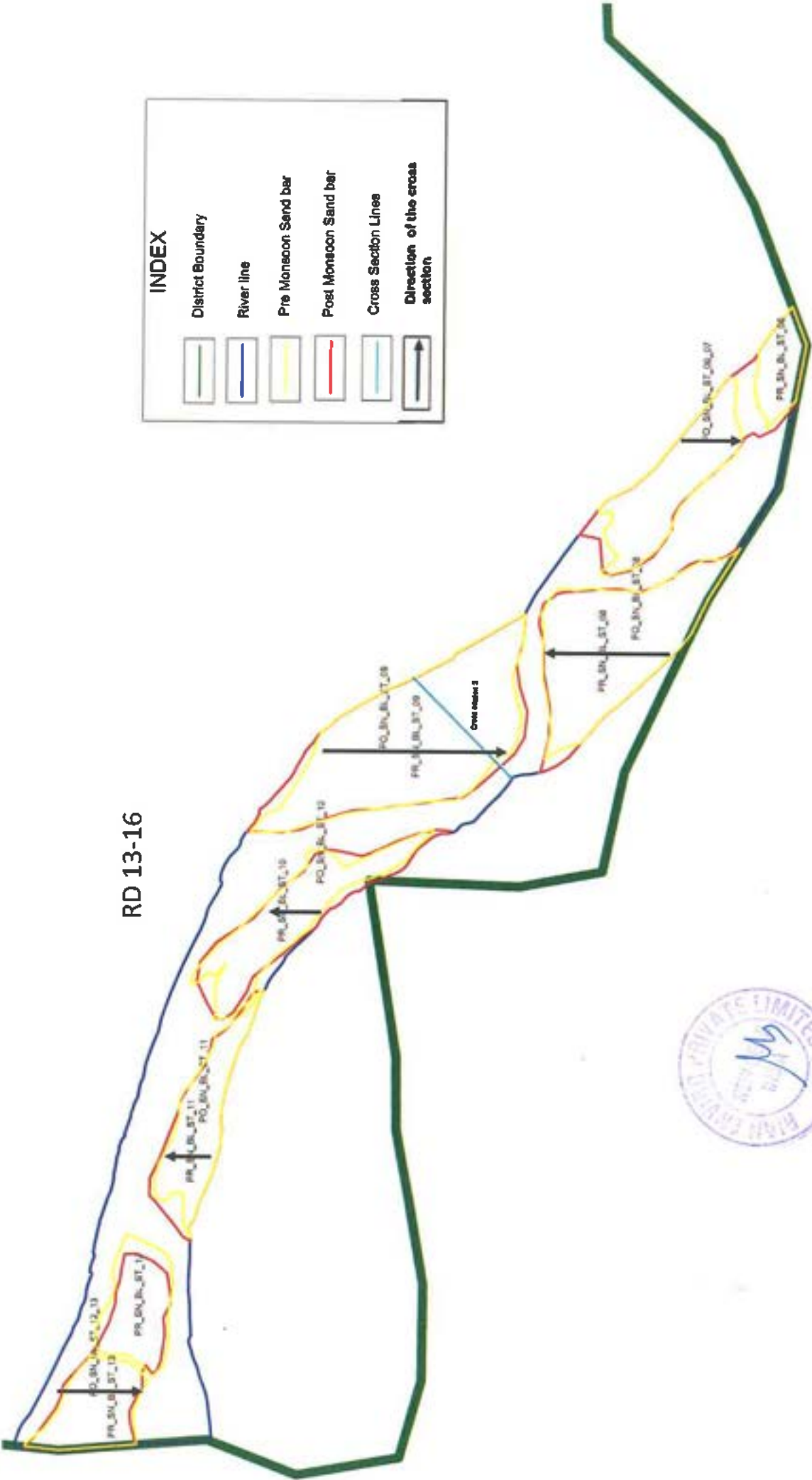
INDEX

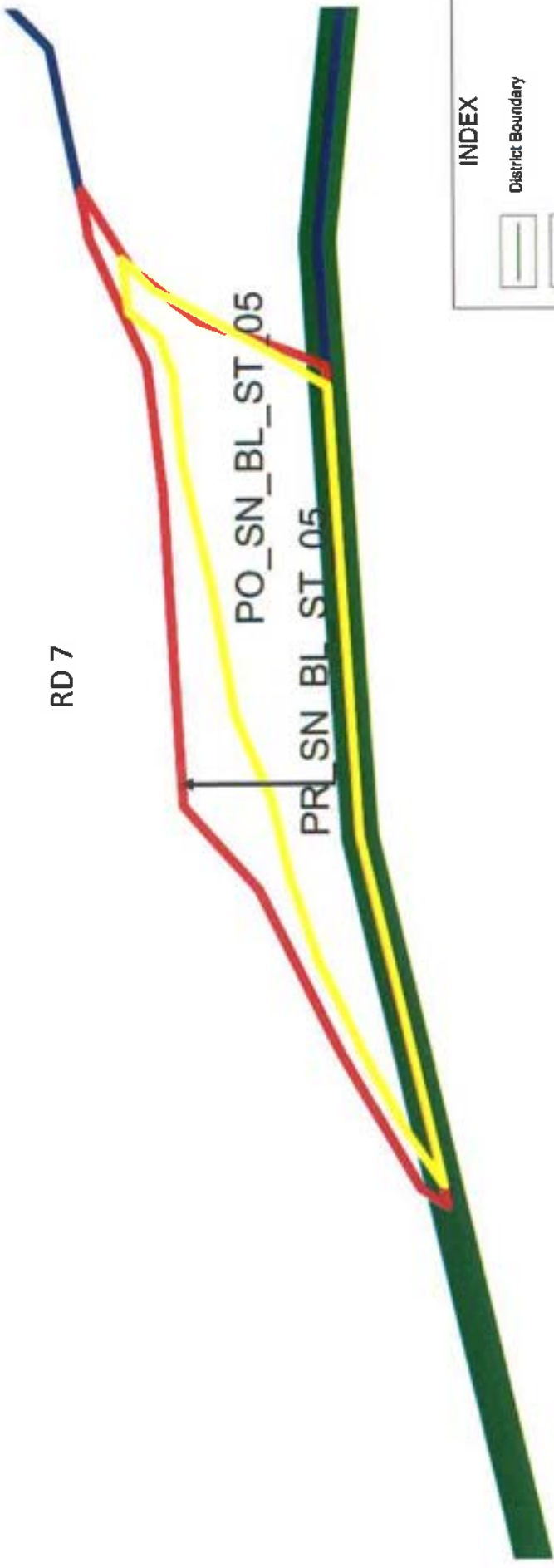
	District Boundary
	River line
	Pre Monsoon Sand bar
	Post Monsoon Sand bar
	Cross Section Lines
	Direction of the cross section









RD 13-16

INDEX	
	District Boundary
	River line
	Pre Monsoon Sand bar
	Post Monsoon Sand bar
	Cross Section Line
	Direction of the cross section





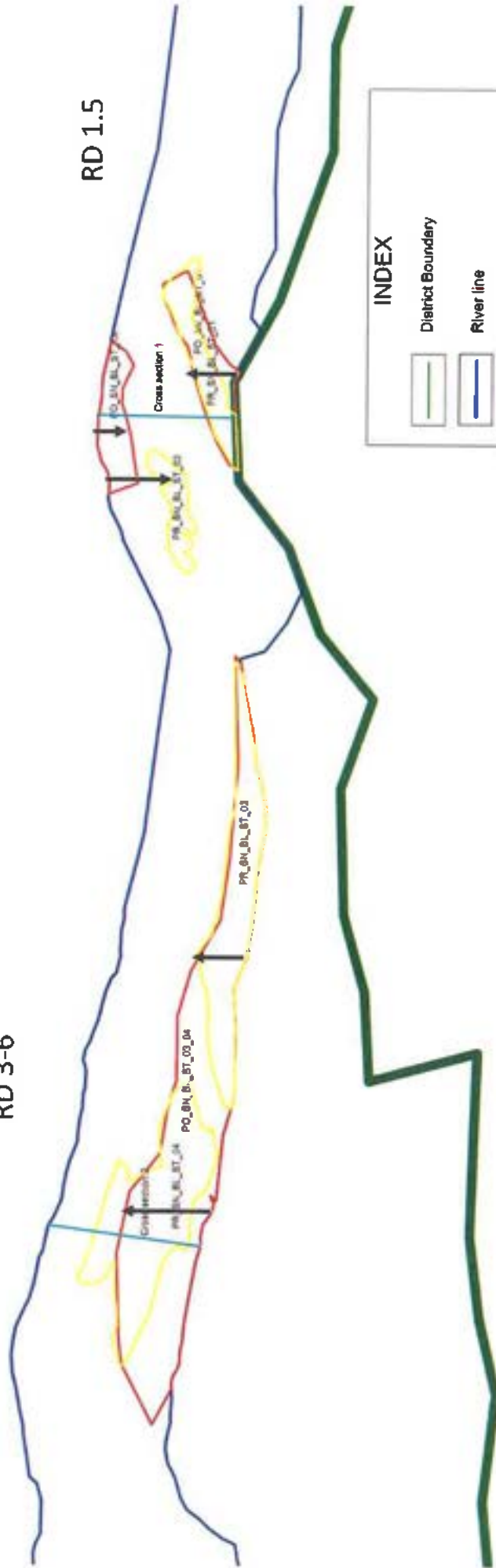
INDEX

	District Boundary
	River line
	Pre Monsoon Sand bar
	Post Monsoon Sand bar
	Cross Section Lines
	Direction of the cross section



RD 3-6

RD 1.5



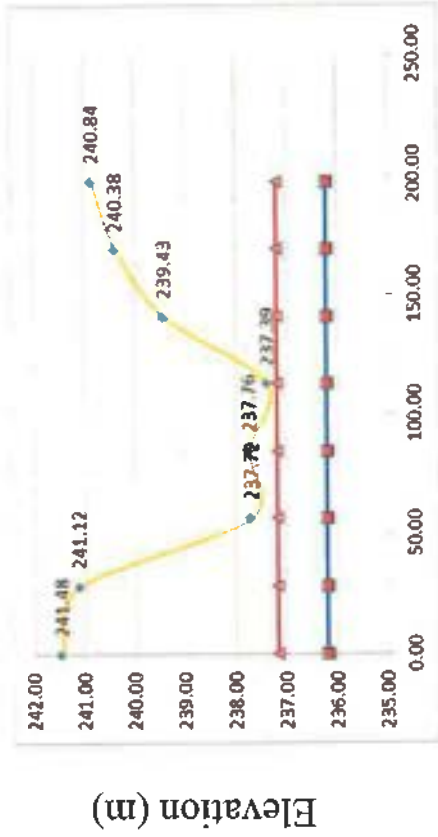
	District Boundary
	River line
	Pre Monsoon Sand bar
	Post Monsoon Sand bar
	Cross Section Lines
	Direction of the cross section



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_AR_ST_82



Pre Monsoon

Average Thickness: 2.32

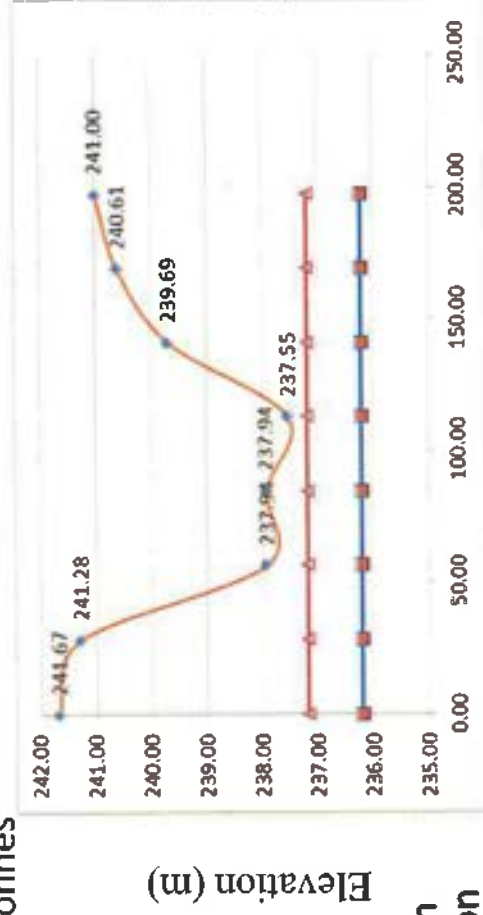
Pre Thickness
4.28
3.92
0.52
0.56
0.19
2.23
3.18
3.64
2.32

Calculation

- Potential Area(Ha.): 8.71 Ha.
- Average Thickness: 2.51
- Bulk Density: 1.56
- $8.71 * 10000 * 2.51 * 1.56 = 341048.76$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020) = 204629.256

Distance of the sand bar from river bank towards river (m)

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness: 2.51

Post Thickness
4.47
4.08
0.74
0.74
0.35
2.49
3.41
3.80
2.51

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)

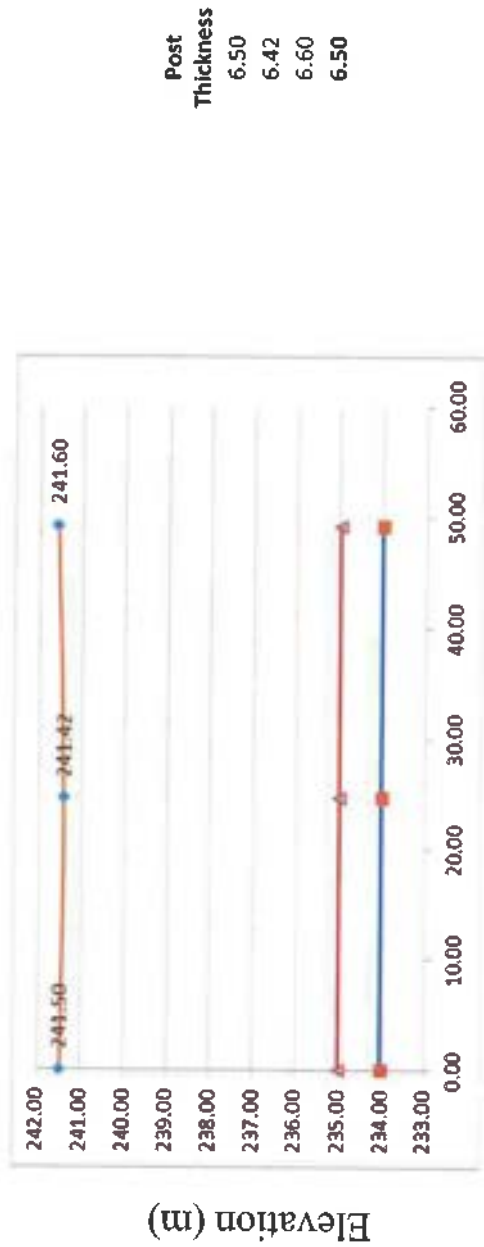


Source- Primary Data generated by DGPS

Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_AR_ST_81F



Distance of the sand bar from river bank towards river (m)
Post Monsoon

Average Thickness:6.50

Calculation

- Potential Area(Ha.):0.42 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $0.42 * 10000 * 3 * 1.56 = 19656$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)=11793.6

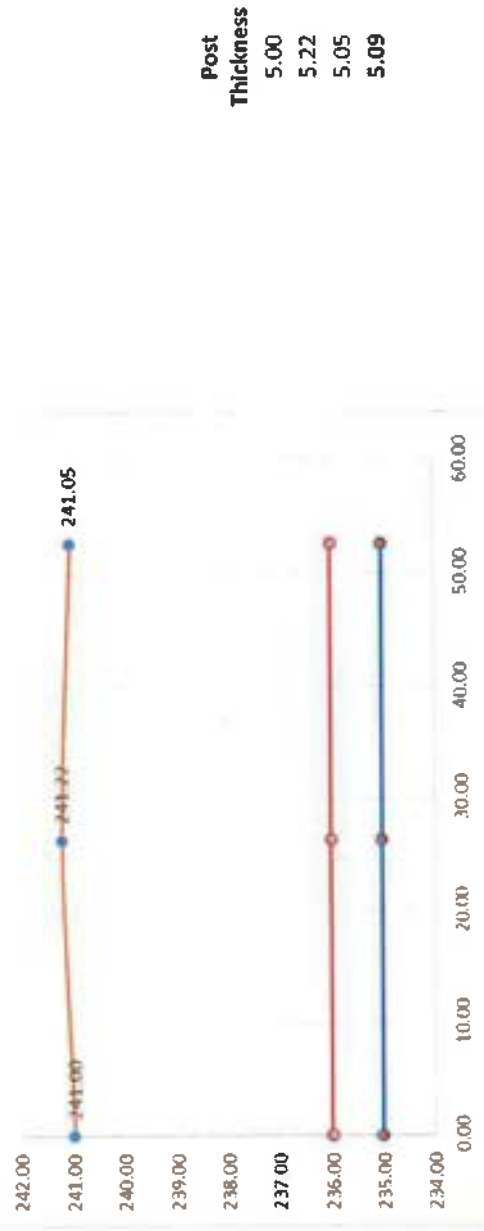
- Red Line
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_AR_ST_81D



Distance of the sand bar from river bank towards river (m)

Post Monsoon

Red Line

Post monsoon Elevation

Thalweg line

Average Thickness:5.09

Calculation

- Potential Area(Ha.): 0.34 Ha.
- Average Thickness: 3
- Bulk Density: 1.56

$0.34 * 10000 * 3 * 1.56 = 15912$ Tonnes

➤ Total excavation in Tonnes

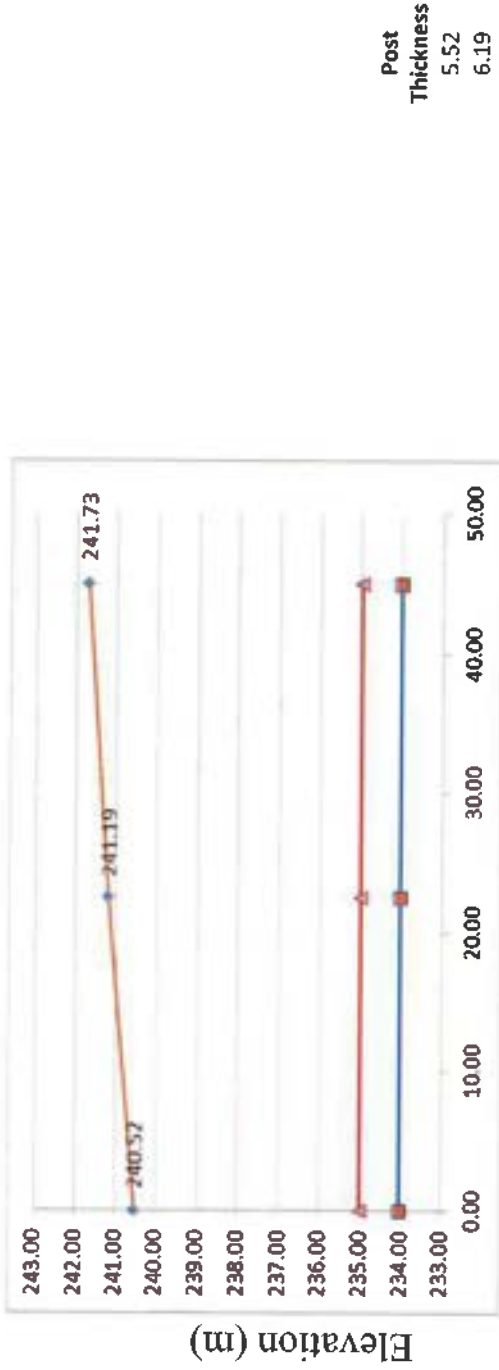
Considering 60% as per EMGSM, 2020)=9547.2



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_AR_ST_81C



Distance of the sand bar from river bank towards river (m)

Post Monsoon

Average Thickness:6.15

Calculation

- Potential Area(Ha.):0.61 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $0.61 * 10000 * 3 * 1.56 = 28548$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020)=17128.8

Red Line

Post monsoon Elevation

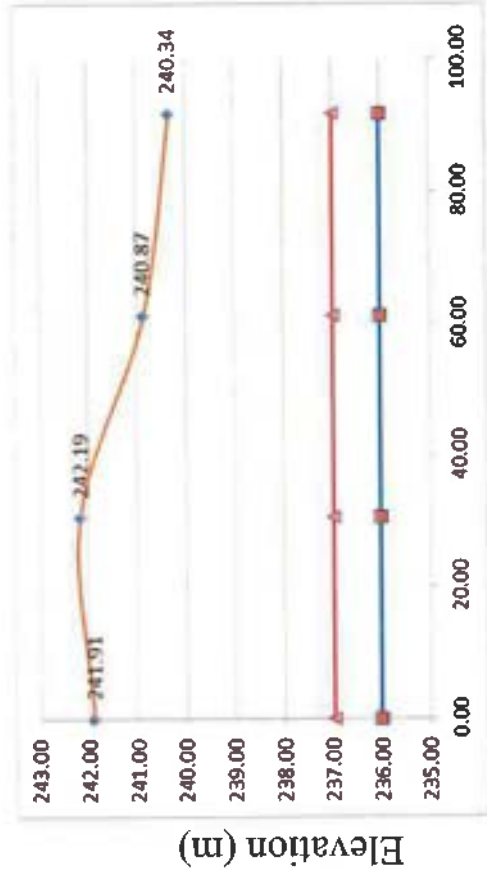
Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_AR_ST_81A



Distance of the sand bar from river bank towards river (m)

Post Monsoon

Average Thickness:4.33

Calculation

- Potential Area(Ha.):0.81 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $0.81 * 10000 * 3 * 1.56 = 37908$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020)=22744.8

Red Line

Post monsoon Elevation

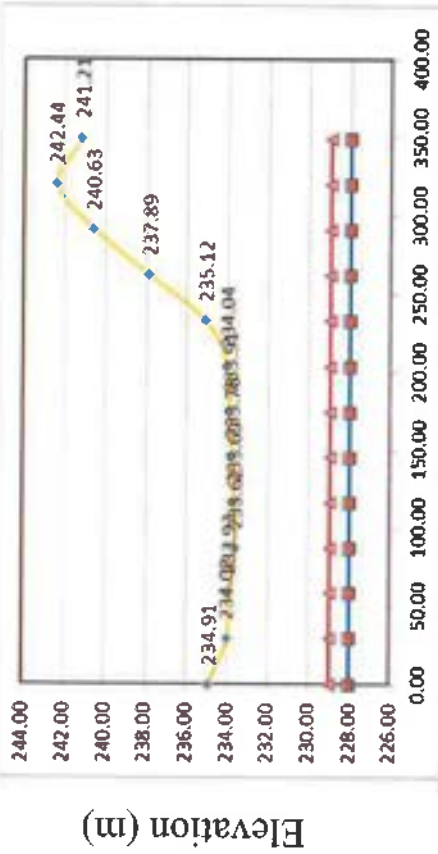
Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_AR_ST_72



Elevation (m)

Pre Monsoon

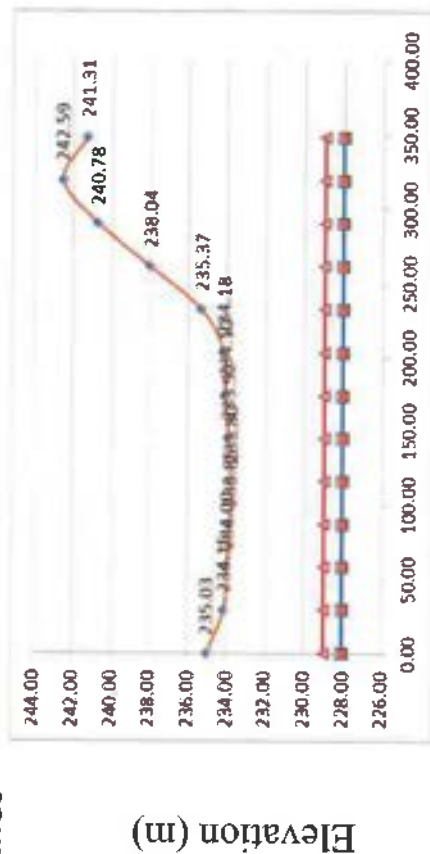
Average Thickness: 5.09

- 3.91
- 3.02
- 2.93
- 2.62
- 2.69
- 2.78
- 2.91
- 3.04
- 4.12
- 6.89
- 9.63
- 11.44
- 10.21
- 5.09

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 24.09 Ha.
- Average Thickness: 3
- Bulk Density: 1.54
- $24.09 * 10000 * 3.0 * 1.54 = 1112958$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=667774.8



Elevation (m)

Post Monsoon

Average Thickness:

5.24

- 4.03
- 3.15
- 3.00
- 2.85
- 2.80
- 2.92
- 3.10
- 3.18
- 4.37
- 7.04
- 9.78
- 11.59
- 10.31
- 5.24

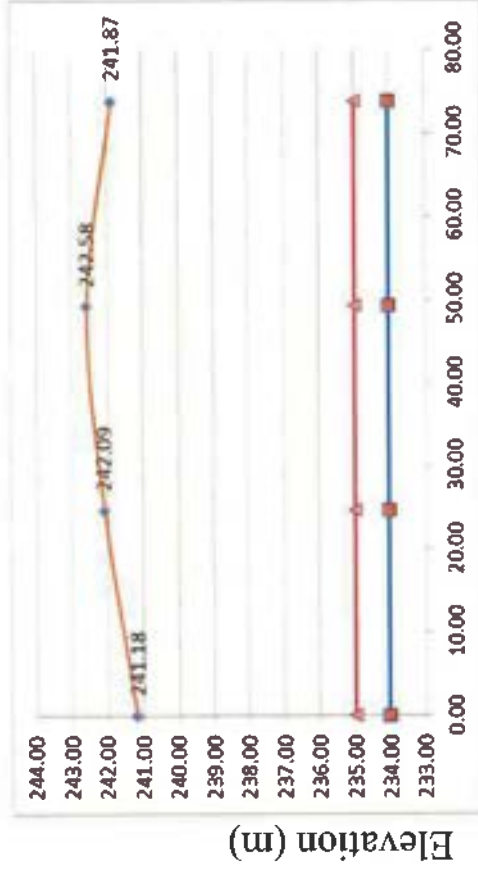
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar
 POST_AR_ST_71A



Calculation

- Potential Area(Ha.): 1.02 Ha.
- Average Thickness: 3.0
- Bulk Density: 1.54
- $1.02 * 10000 * 3.0 * 1.54 = 47124$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=28274.4

- Red Line
- Post monsoon Elevation
- Thalweg line



Post Monsoon

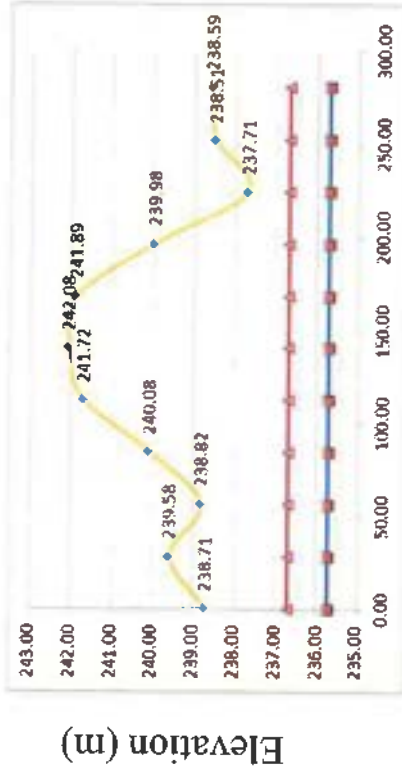
Average Thickness: 6.93

Post Thickness
6.18
7.09
7.58
6.87
6.93

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

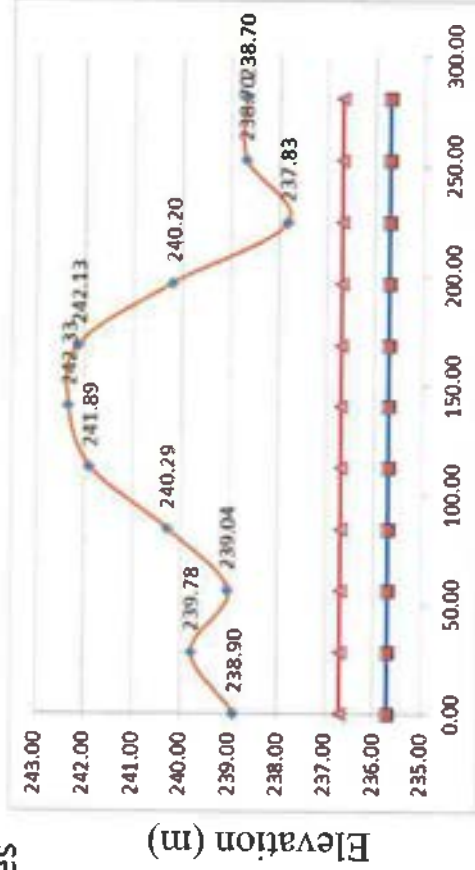
PRE_POST_AR_ST_71



Pre Monsoon

Average Thickness:3.09

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness:3.28

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 7.33 Ha.
- Average Thickness: 3
- Bulk Density: 1.54
- $7.33 * 10000 * 3 * 1.54 = 338646$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=203187.6

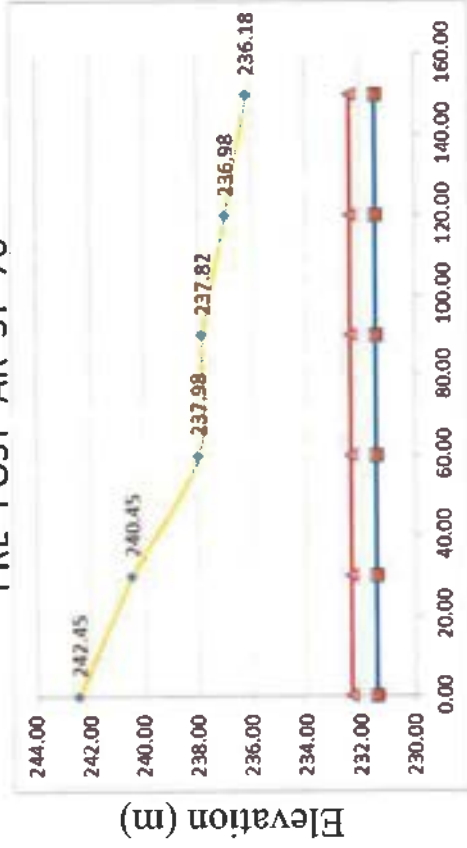
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE POST AR ST 70



Pre Monsoon

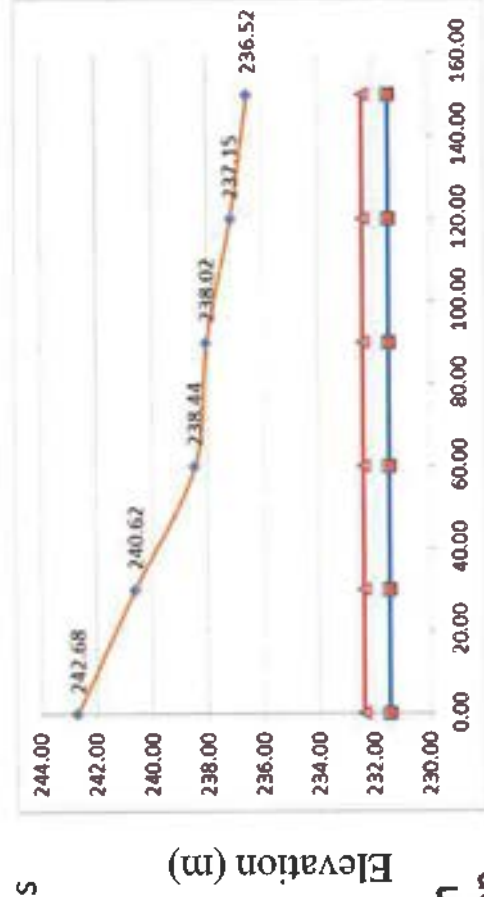
Average Thickness:5.84

Calculation

- Potential Area(Ha.): 6.35 Ha.
- Average Thickness: 3
- Bulk Density: 1.54
- 6.35 * 10000 * 3 * 1.54 = 293370 Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=176022

Pre Thickness	Post Thickness
9.65	9.88
7.65	7.82
5.18	5.64
5.02	5.22
4.18	4.35
3.38	3.72
5.84	6.11

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness:6.11

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

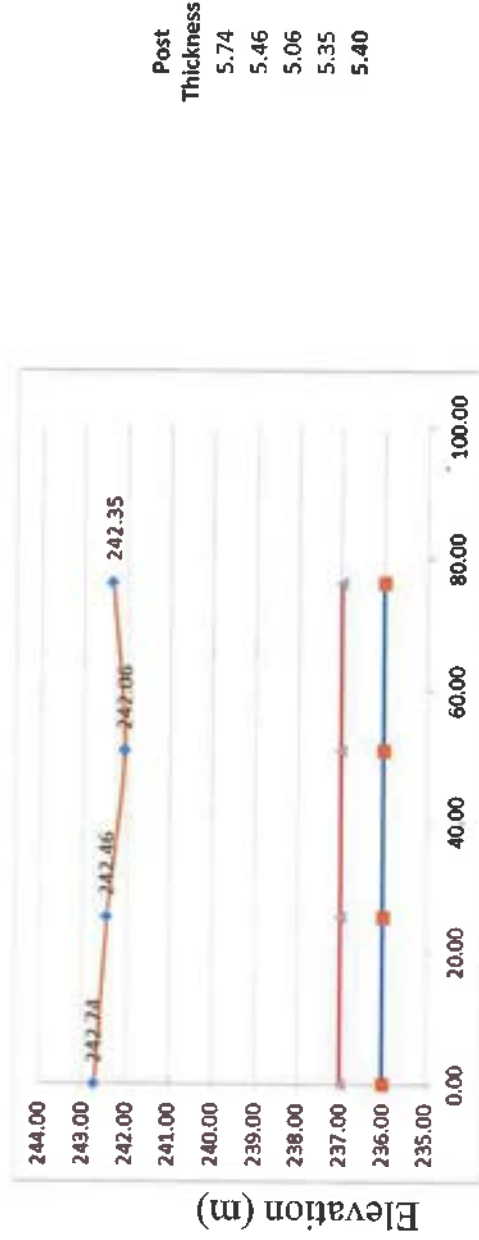
Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_AR_ST_69B



Distance of the sand bar from river bank towards river (m)

Post Monsoon

Average Thickness: 5.40

Calculation

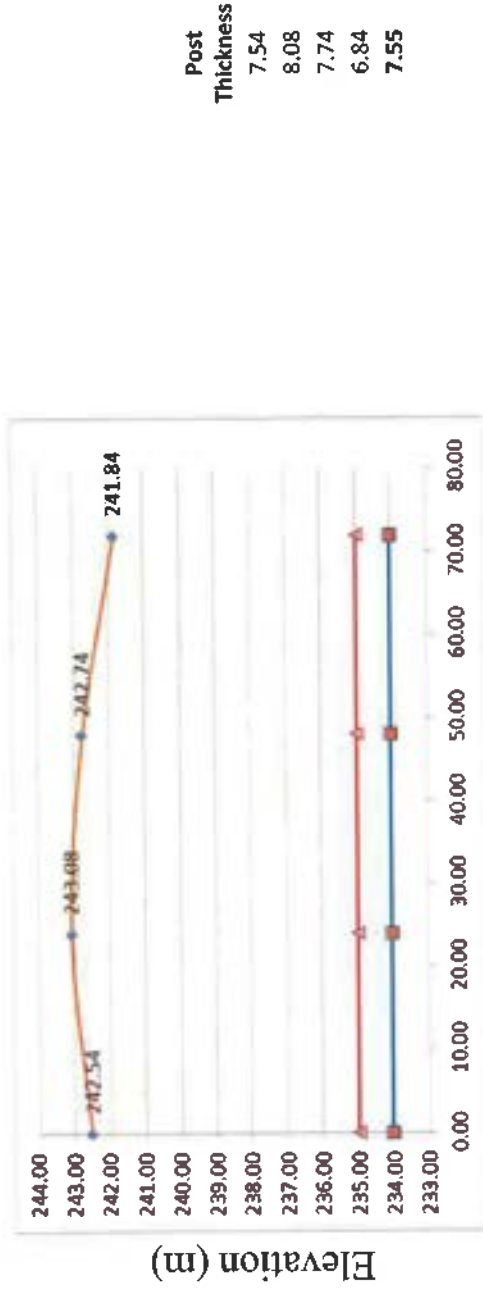
- Potential Area(Ha.): 0.47 Ha.
- Average Thickness: 3.0
- Bulk Density: 1.54
- $0.47 * 10000 * 3.0 * 1.54 = 21714$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM,
 $2020) = 13028.4$

- Red Line
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar
 POST_AR_ST_69A



Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 1.47 Ha.
- Average Thickness: 3.0
- Bulk Density: 1.54
- $1.47 * 10000 * 3.0 * 1.54 = 67914$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=40748.4

Post Monsoon

- Red Line
- Post monsoon Elevation
- Thalweg line

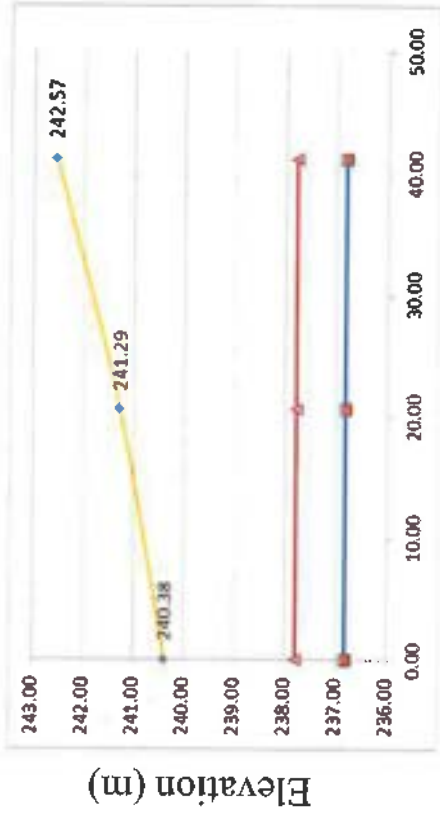
Average Thickness: 7.55



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_PO_AR_ST_69

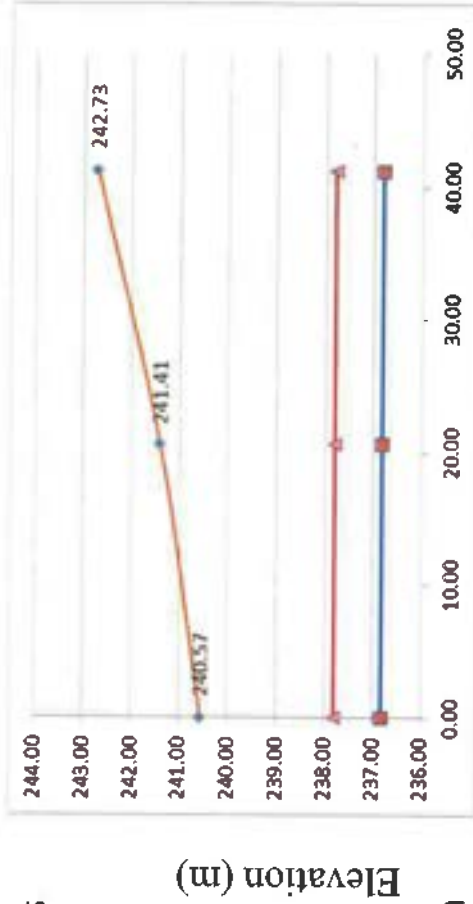


Pre Monsoon
 Average Thickness:3.61

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 4.58 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $4.58 * 10000 * 3 * 1.56 = 211596$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)=126957.6



Post Monsoon
 Average Thickness:3.77

Distance of the sand bar from river bank towards river (m)

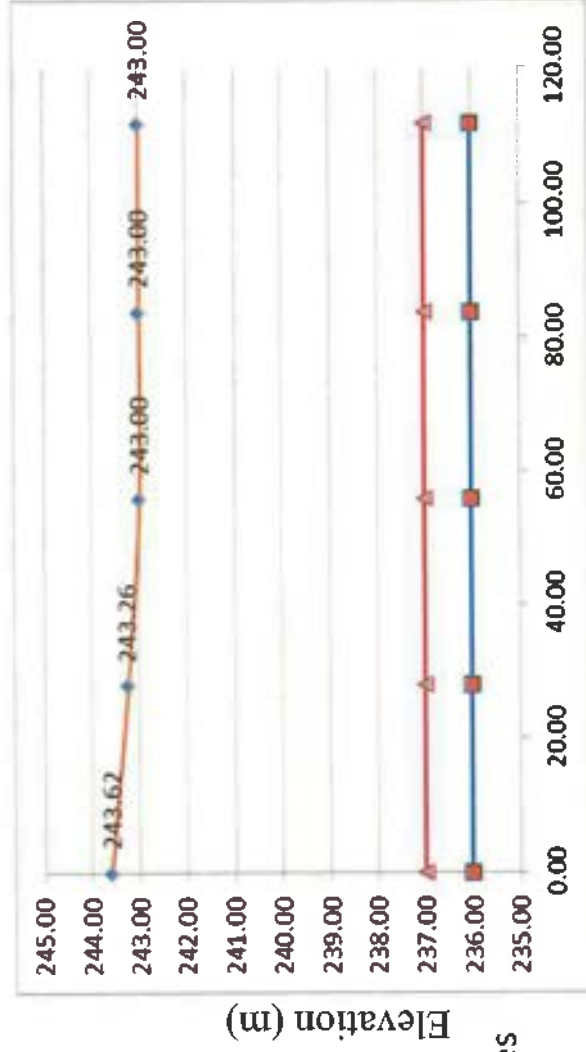
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_AR_ST_68A



Distance of the sand bar from river bank towards river (m)

Post Monsoon

Red Line

Post monsoon Elevation

Thalweg line

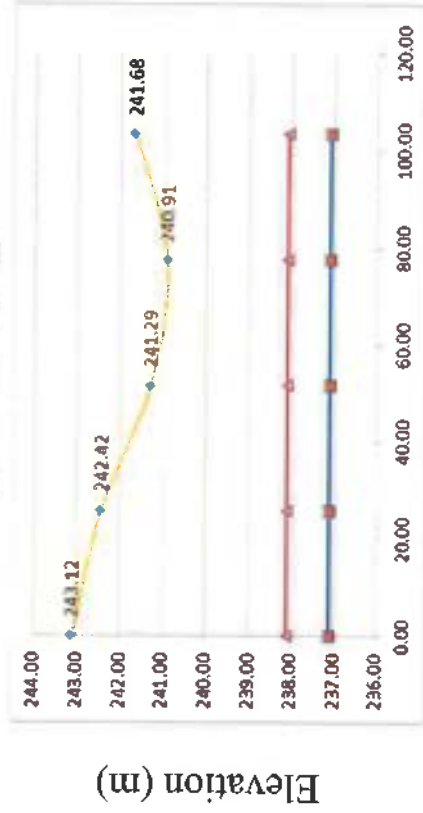
Average Thickness:6.18



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_AR_ST_68



Pre Monsoon

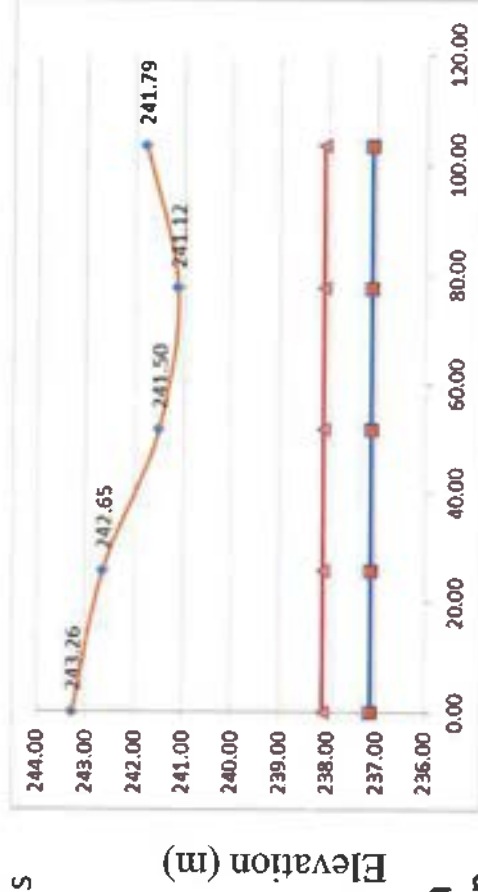
Average Thickness: 3.78

Pre Thickness	Post Thickness
5.02	5.16
4.32	4.55
3.19	3.40
2.81	3.02
3.58	3.69
3.78	3.96

Calculation

- Potential Area(Ha.): 5.43 Ha.
- Average Thickness: 3
- Bulk Density: 1.54
- $5.43 * 10000 * 3 * 1.54 = 250866$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 150519.6

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness: 3.96

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



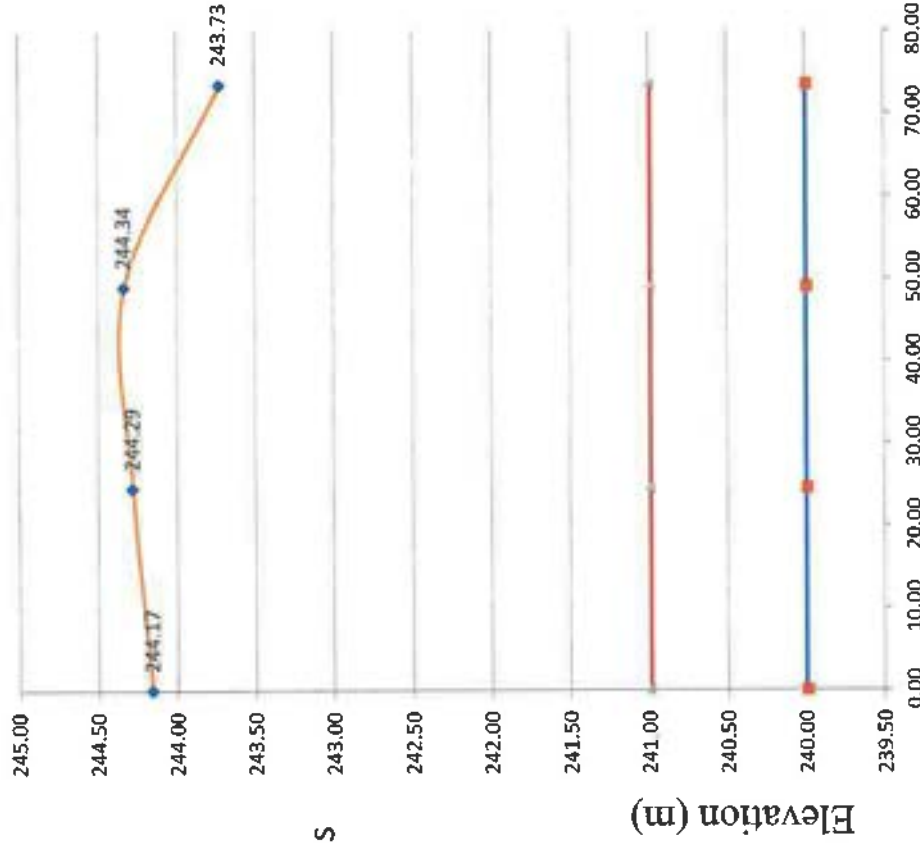
Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 0.68 Ha.
- Average Thickness: 3.0
- Bulk Density: 1.54
- $0.68 * 10000 * 3.0 * 1.54 = 31416$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=18849.6

Cross Section Sand Bar

POST_AR_ST_67A



Post Thickness
3.17
3.29
3.34
2.73
3.13

Post Monsoon

Average Thickness: 3.13

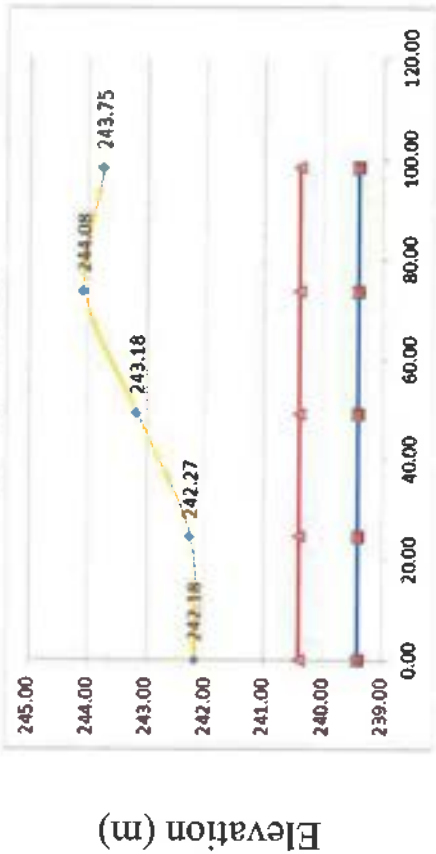


Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_PO_AR_ST_67

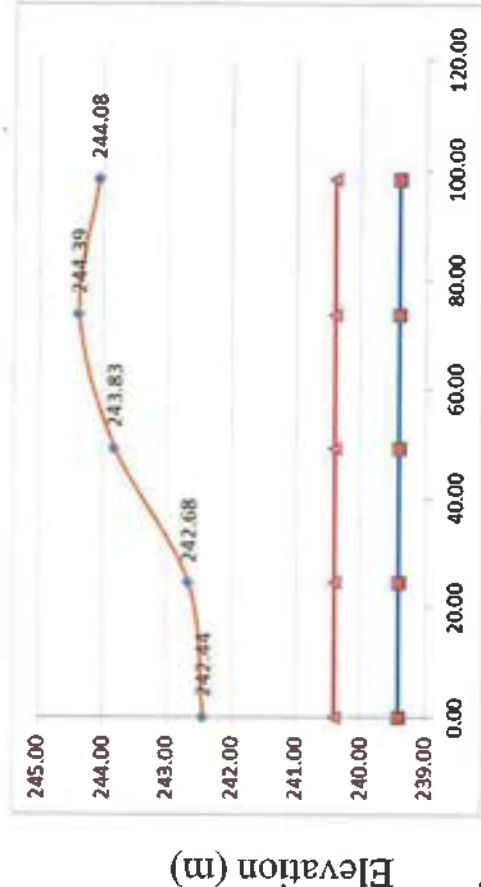


Pre Monsoon

Average Thickness:2.69

Distance of the sand bar from river bank towards river (m)

Pre Thickness	Post Thickness
1.78	2.04
1.87	2.28
2.78	3.43
3.68	3.99
3.35	3.68
2.69	3.08



Post Monsoon

Average Thickness:3.08

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 4.04 Ha.
- Average Thickness: 3
- Bulk Density: 1.54
- $4.04 * 10000 * 3 * 1.54 = 186648$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020) = 111988.8

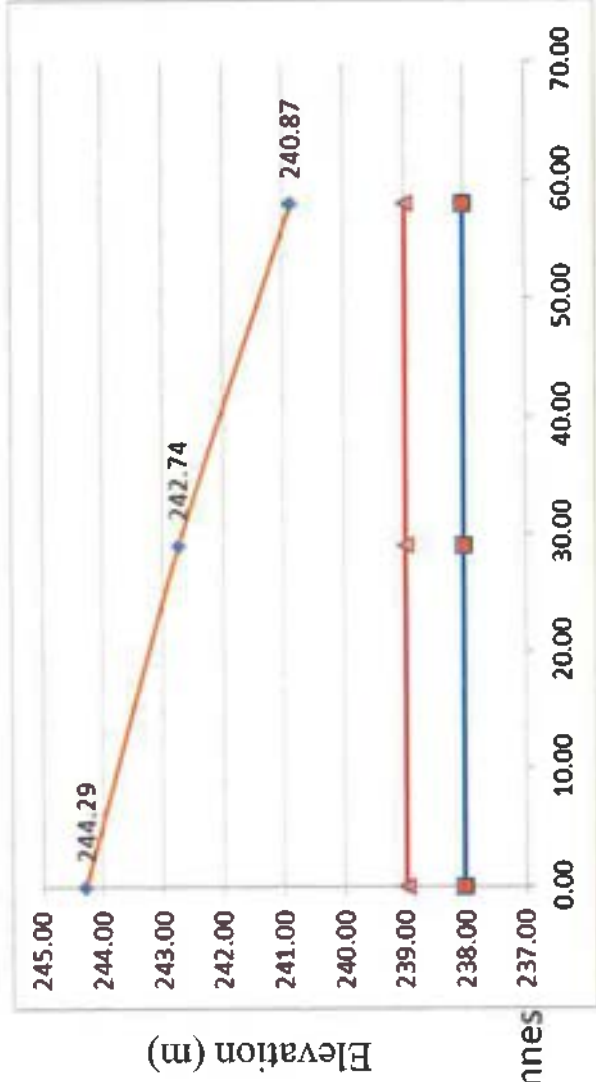
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_AR_ST_66C



Distance of the sand bar from river bank towards river (m)

Post Monsoon

- Red Line
- Post monsoon Elevation
- Thalweg line

Average Thickness:3.63

Calculation

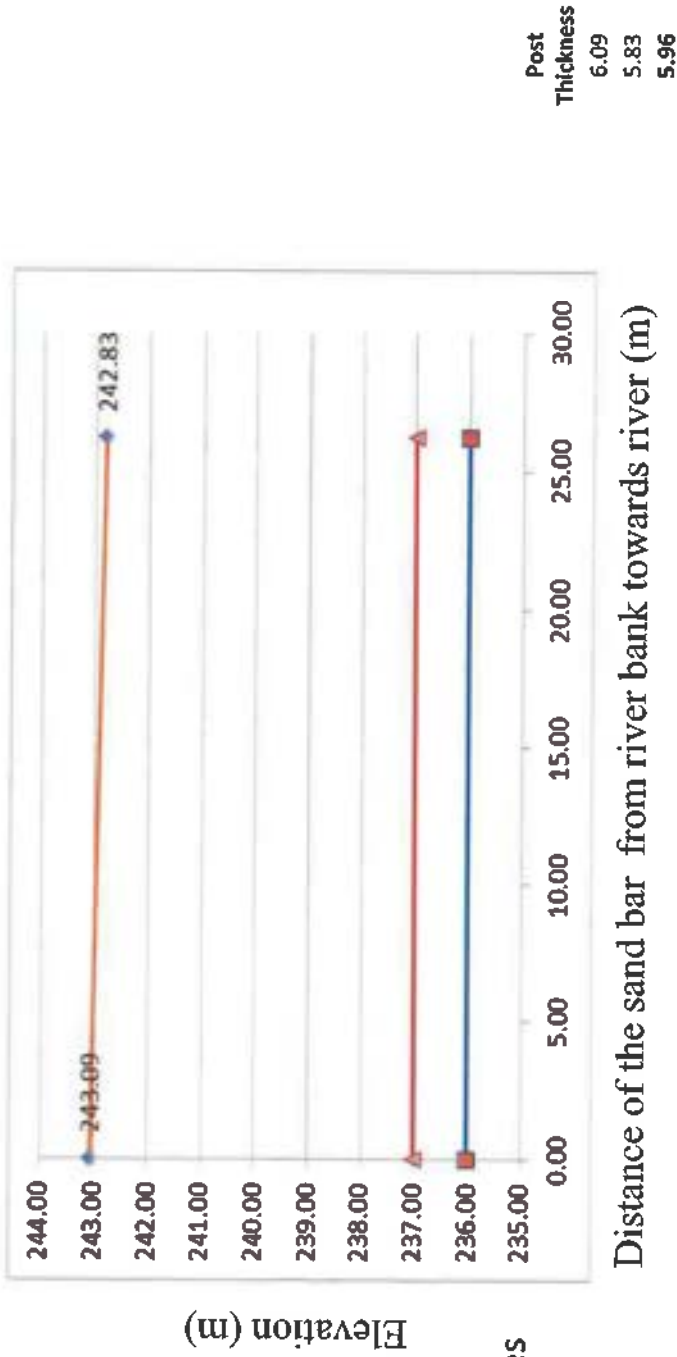
- Potential Area(Ha.): 0.80 Ha.
- Average Thickness: 3.0
- Bulk Density: 1.54
- 0.80 * 10000 * 3.0 * 1.54 = 36960 Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=22176

Post Thickness
5.29
3.74
1.87
3.63



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar
 AR_ST_66B



Elevation (m)

Distance of the sand bar from river bank towards river (m)

Post Monsoon

Average Thickness:5.96

Calculation

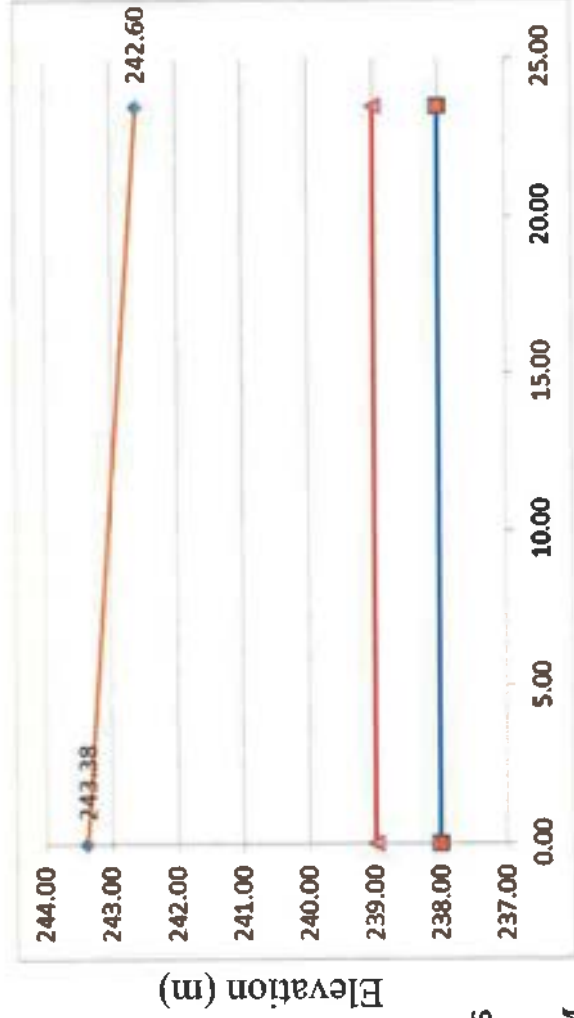
- Potential Area(Ha.): 0.37 Ha.
 - Average Thickness: 3
 - Bulk Density: 1.54
 - $0.31 * 10000 * 2.48 * 1.51 = 17094$ Tonnes
 - Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=10256.4

- Red Line
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar
 AR_ST_66A



Distance of the sand bar from river bank towards river (m)

Post Monsoon

- Red Line
- Post monsoon Elevation
- Thalweg line

Post Thickness
 4.38
 3.60
 3.99

Average Thickness:3.99

Calculation

- Potential Area(Ha.): 0.23 Ha.
- Average Thickness: 3
- Bulk Density: 1.54
- 0.23*10000*3*1.54= 10626 Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=6375.6



Source- Primary Data
 generated by DGPS
 Hi- Target DGPS (
 Model No. V30plus)

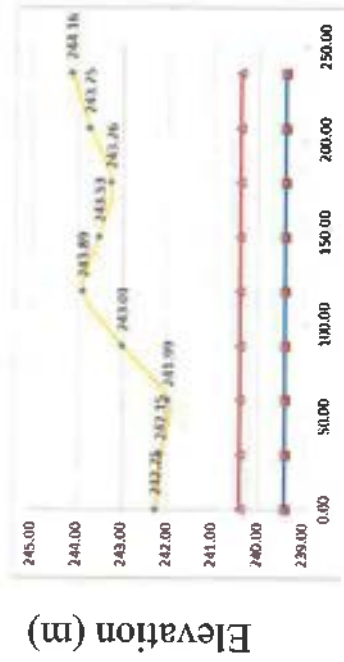
Calculation

- Potential Area(Ha.):3.78 Ha.
- Average Thickness: 2.9
- Bulk Density: 1.54
- 3.78 * 10000*2.9*1.54=
- 168814.8Tonnes
- Total excavation in Tonnes
- Considering 60% as per
- EMGSM, 2020)= 101288.88

Cross Section Sand Bar

PRE POST_ST_66

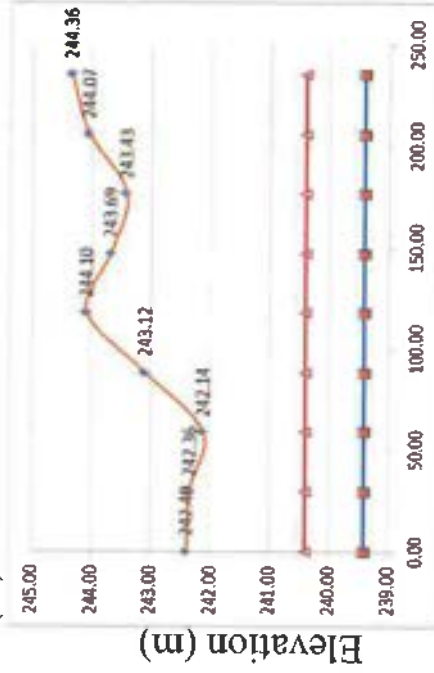
Pre Thickness ss
1.85
1.75
1.59
2.61
3.49
3.13
2.86
3.35
3.76
2.71



Pre Monsoon

Average Thickness: 2.71

Distance of the sand bar from river bank towards river



Post Monsoon

Average Thickness: 2.90

Post Thickness
2.00
1.96
1.74
2.72
3.70
3.29
3.03
3.67
3.96
2.90

Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



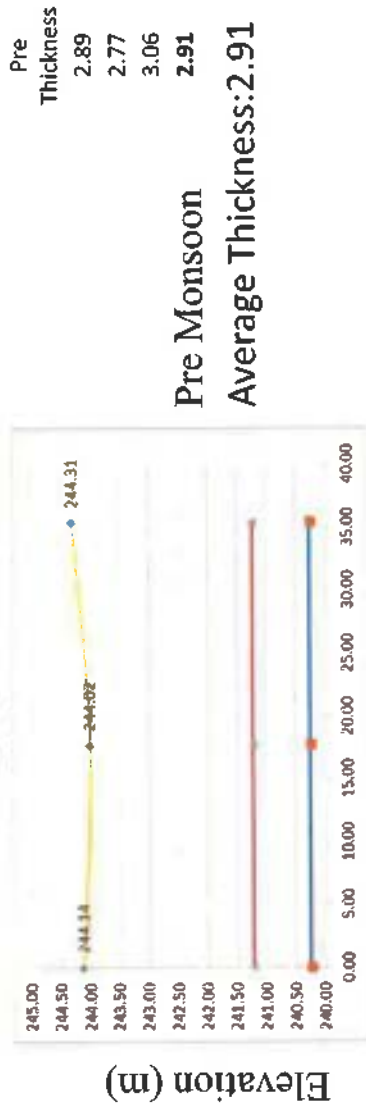
Source- Primary Data generated by DGPS
Hi- Target DGPS (Model No. V30plus)

Calculation

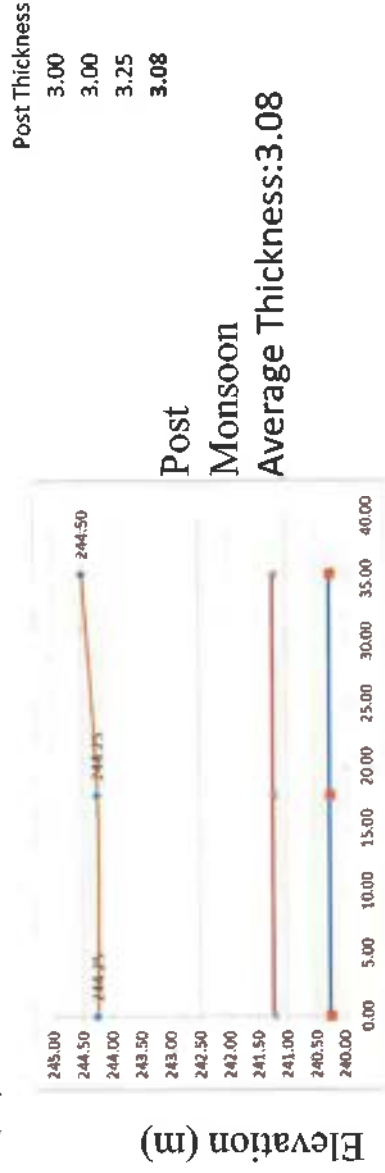
- Potential Area(Ha.): 0.61Ha.
- Average Thickness: 3
- Bulk Density: 1.54
- $0.61 * 10000 * 3 * 1.53 = 28182 \text{Tonnes}$
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 16909.2

Cross Section Sand Bar

PRE POST_ST_65



Distance of the sand bar from river bank towards river (m)



Distance of the sand bar from river bank towards river (m)

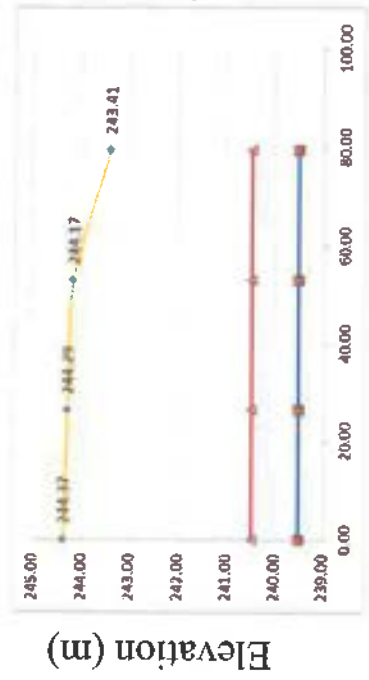
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data
 generated by DGPS
 Hi- Target DGPS (
 Model No. V30plus)

Cross Section Sand Bar

PRE_POST_AR_ST_64



Pre Monsoon

Average Thickness: 3.56

Pre Thickness ss
3.87
3.79
3.67
2.91
3.56

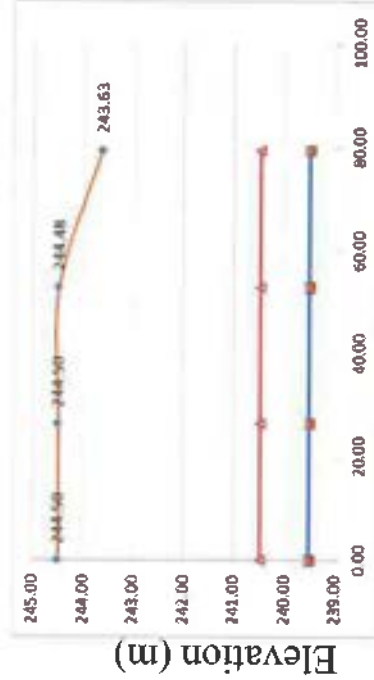
Calculation

- Potential Area(Ha.): 4.76 Ha.
- Average Thickness: 3
- Bulk Density: 1.54

$$4.76 * 10000 * 3 * 1.54 = 219912 \text{ Tonnes}$$

- Total excavation in Tonnes
 Considering 60% as per
 EMGSM, 2020) = 131947.2

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness: 3.78

Post Thickness ss
4.00
4.00
3.98
3.13
3.78

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

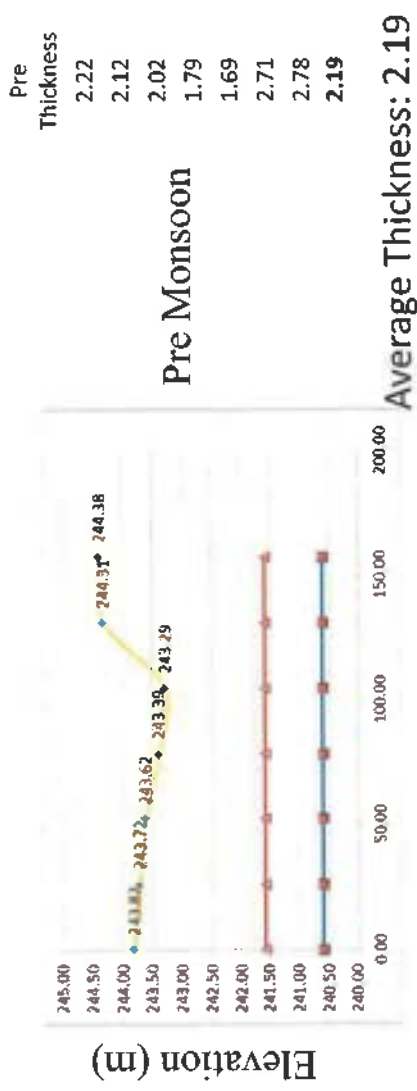


Distance of the sand bar from river bank towards river (m)

Source- Primary Data
 generated by DGPS
 Hi- Target DGPS (
 Model No. V30plus)

Cross Section Sand Bar

PRE_POST_AR_ST_63.



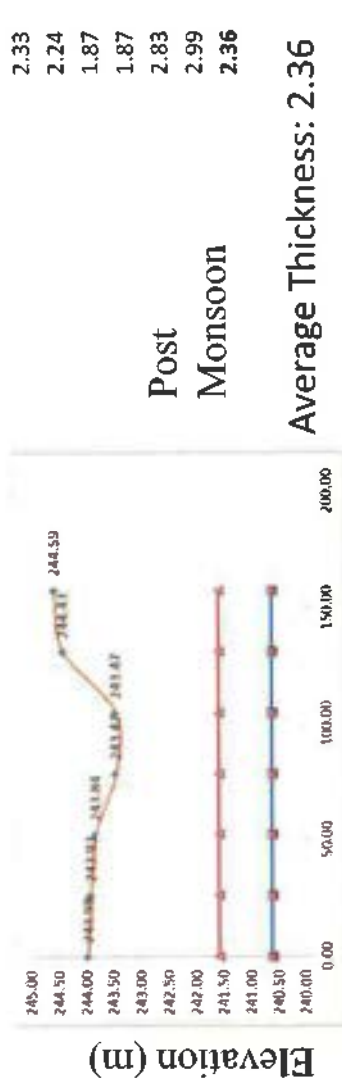
Pre Thickness
2.22
2.12
2.02
1.79
1.69
2.71
2.78
2.19

Average Thickness: 2.19

Calculation

- Potential Area(Ha.): 5.30Ha.
- Average Thickness:2.36
- Bulk Density: 1.54
- $5.30 * 10000 * 2.36 * 1.54 = 192623.2$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020) = 15573.92

Distance of the sand bar from river bank towards river (m)



Post Thickness
2.38
2.33
2.24
1.87
1.87
2.83
2.99
2.36

Average Thickness: 2.36

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



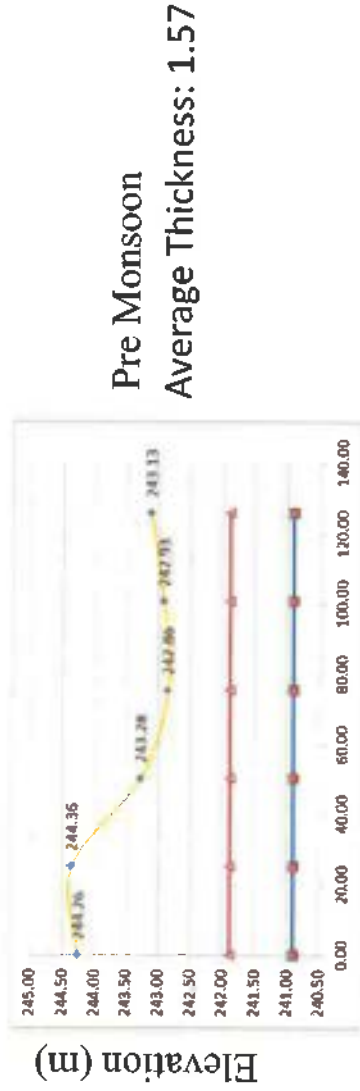
Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 4.67Ha.
- Average Thickness: 1.76
- Bulk Density: 1.54
- 4.76 * 10000 * 1.76 * 1.54 = 128744 Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020) = 77246.4

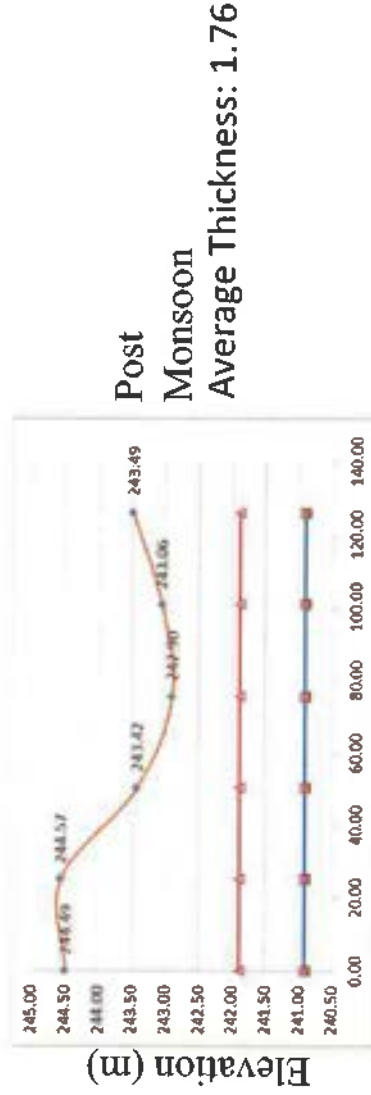
Cross Section Sand Bar
 PRE_POST_AR_ST_62.

Pre Thickne ss
2.36
2.46
1.38
0.96
1.03
1.23
1.57



Distance of the sand bar from river bank towards river (m)

Post Thickne ss
2.59
2.67
1.52
1.00
1.16
1.59
1.76



Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

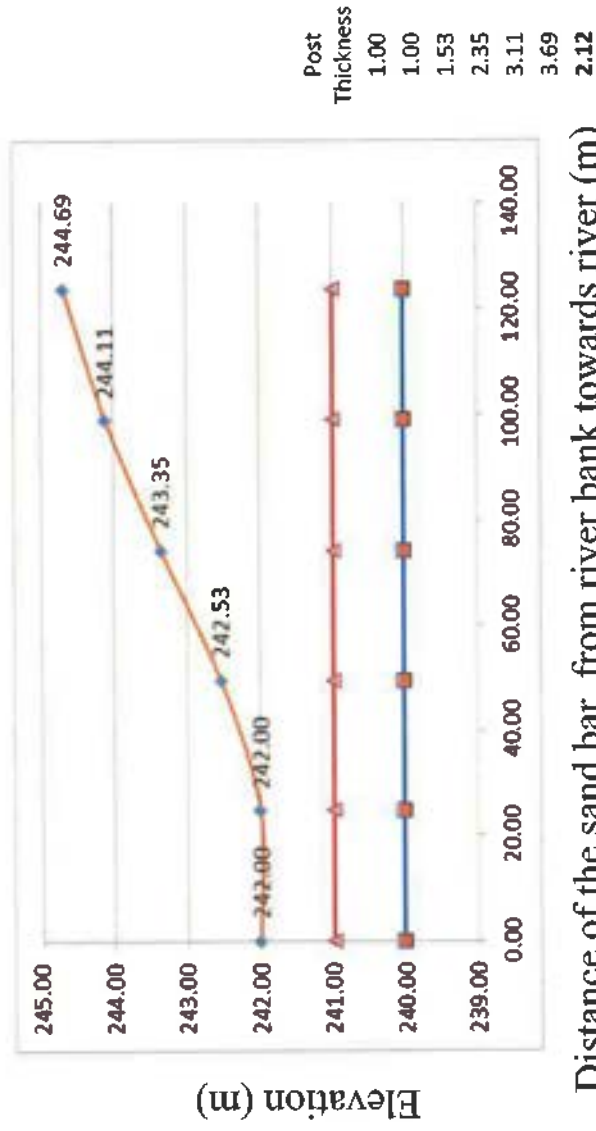


Source- Primary Data
 generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.):0.94 Ha.
- Average Thickness: 2.12
- Bulk Density: 1.54
- 0.94*10000*2.12*1.54= 30689.12 Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=18413.472

Cross Section Sand Bar
 POST_AR_ST_61B



Distance of the sand bar from river bank towards river (m)

- Post monsoon Elevation
- Thalweg line
- Red Line

Post
Monsoon
Average Thickness: 2.12



Source- Primary Data
 generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 1.76.Ha.
- Average Thickness: 2.22
- Bulk Density: 1.54
- $1.79 * 10000 * 2.22 * 1.54 = 61196.52$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020) = 36717.912

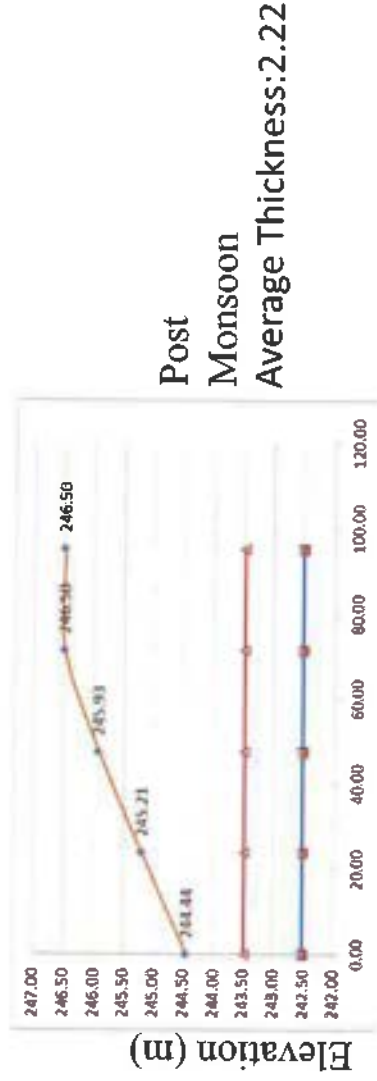
Cross Section Sand Bar

PRE_POST_AR_ST_61



Pre Thickness	SS
0.78	
1.59	
2.29	
2.93	
2.96	
2.11	

Distance of the sand bar from river bank towards river (m)



Post Thickness	SS
0.94	
1.71	
2.43	
3.00	
3.00	
2.22	

Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS Hi- Target DGPS (Model No. V30plus)

Calculation

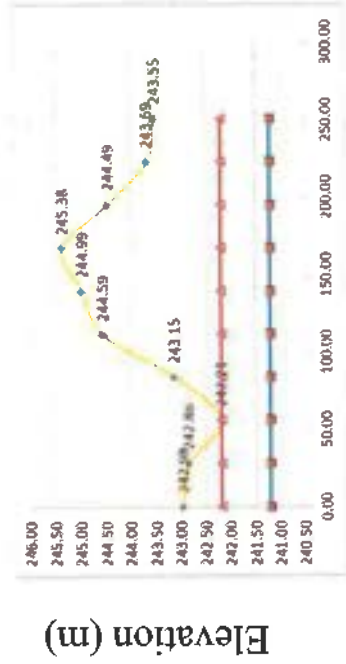
- Potential Area(Ha.): 9.30 Ha.
 - Average Thickness: 1.8
 - Bulk Density: 1.54
- $9.30 * 10000 * 1.8 * 1.54 = 257796$

Tonnes

- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)= 154677.6

Cross Section Sand Bar

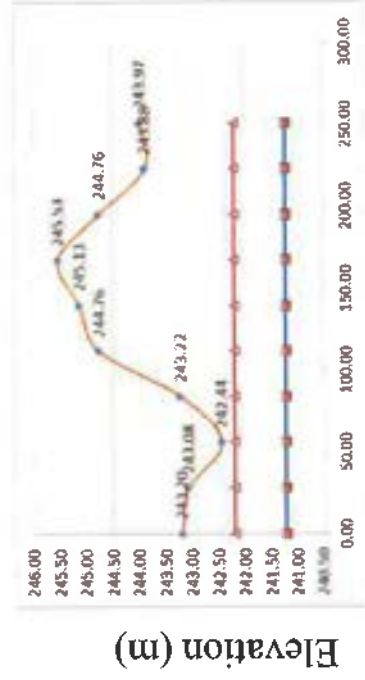
PRE_POST_AR_ST_59



**Pre Monsoon
Average Thickness:1.59**

Pre Thickne ss
0.78
0.66
0.01
0.95
2.39
2.79
3.18
2.29
1.49
1.35
1.59

Distance of the sand bar from river bank towards river (m)



**Post Monsoon
Average Thickness: 1.80**

Post Thickne ss
1.00
0.88
0.24
1.02
2.56
2.93
3.33
2.56
1.68
1.77
1.80

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thatweg line



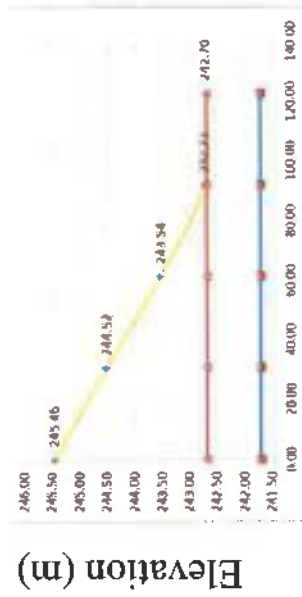
Distance of the sand bar from river bank towards river (m)

Cross Section Sand Bar

PRE_POST_NS_ST_57

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Pre Thickness	Post Thickness
2.75	2.83
1.82	1.96
0.84	0.93
0.03	0.09
0.00	0.00
1.09	1.16



Pre Monsoon
 Average Thickness: 1.16

Calculation

- Potential Area(Ha.): 2.16 Ha.
- Average Thickness: 1.16
- Bulk Density: 1.54
- $2.16 * 10000 * 1.16 * 1.54 = 38586.24$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 23151.744

Distance of the sand bar from river bank towards river (m)



Post Monsoon
 Average Thickness: 1.16

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Distance of the sand bar from river bank towards river (m)

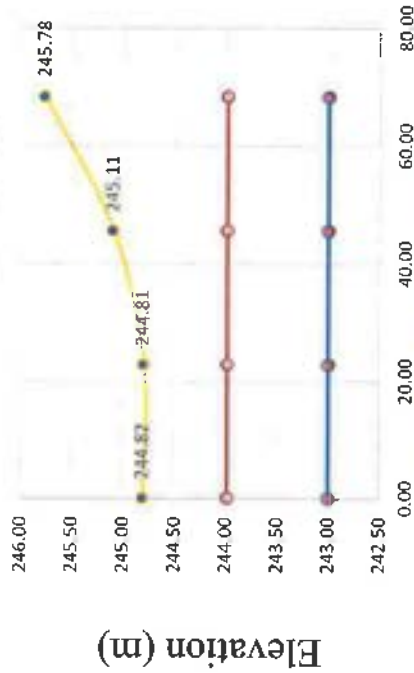
Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 6.48 Ha.
 - Average Thickness: 1.87
 - Bulk Density: 1.54
 - $0.31 * 10000 * 2.48 * 1.51 = 186611.04$ Tonnes
 - Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=
 111966.624

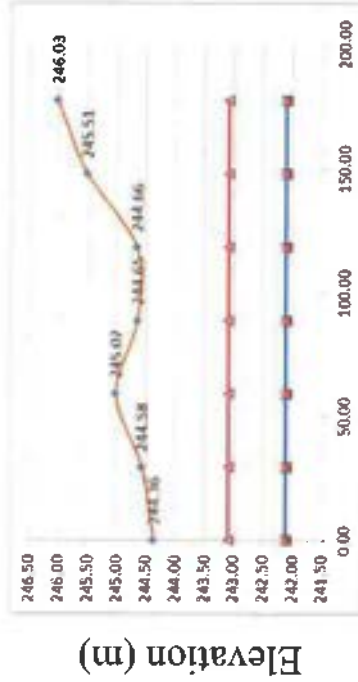
Cross Section Sand Bar
PRE POST_NS_ST_56.

Pre Thickness	Post Thickness
0.82	1.26
0.81	1.48
1.11	1.92
1.78	1.55
	1.56
	2.41
	2.93
	1.87



Pre Monsoon
Average Thickness:1.78

Distance of the sand bar from river bank towards river (m)



Post Monsoon
Average Thickness:1.87

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



Source- Primary Data
 generated by DGPS
 Hi- Target DGPS (
 Model No. V30plus)

Calculation

- Potential Area(Ha.): 1.26 Ha.
- Average Thickness: 1.03
- Bulk Density: 1.54

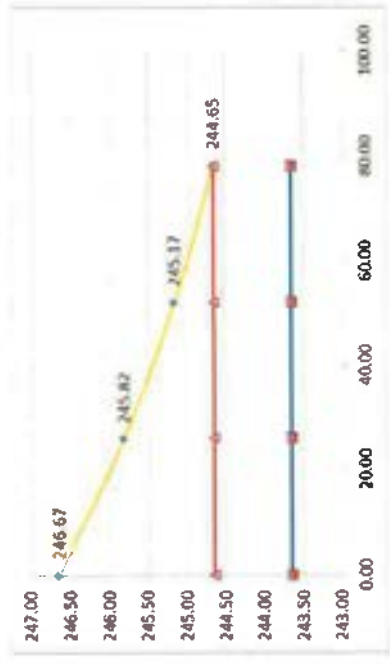
$1.26 * 10000 * 1.03 * 1.54 = 19986.1$

2 Tonnes

- Total excavation in Tonnes
 Considering 60% as per
 EMGSM, 2020)=11991.672

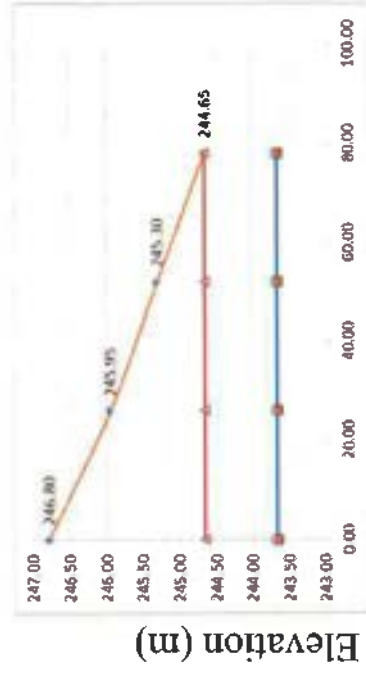
Cross Section Sand Bar

PRE POST_NS_ST_55



Pre Monsoon
 Average Thickness:0.93

Pre Thickness
2.02
1.17
0.52
0.00
0.93



Post Monsoon
 Average Thickness:1.03

Post Thickness
2.15
1.30
0.65
0.00
1.03

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



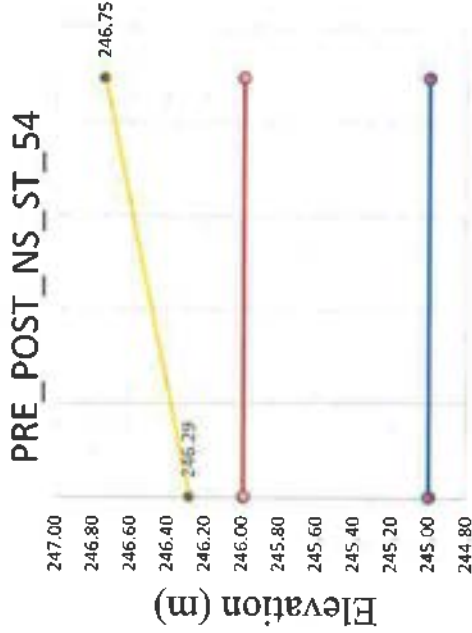
Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 0.22 Ha.
- Average Thickness: 0.64
- Bulk Density: 1.54
- 0.22*10000*0.64*1.54= 2168.32 Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)=1300.992

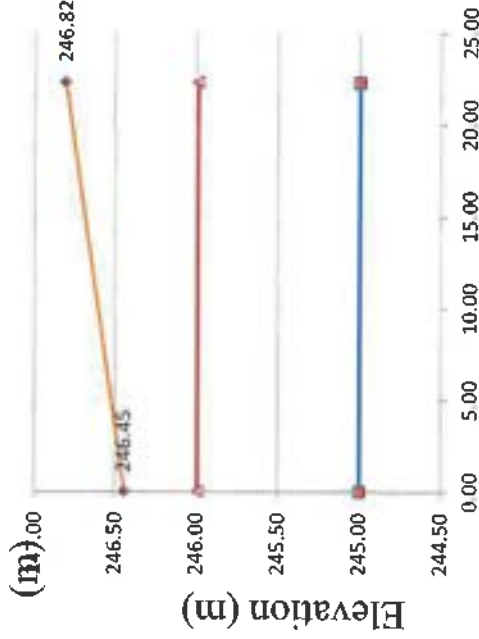
Cross Section Sand Bar



Pre Monsoon

Average Thickness:0.52

Distance of the sand bar from river bank towards river



Post Monsoon

Average Thickness: 0.64

Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



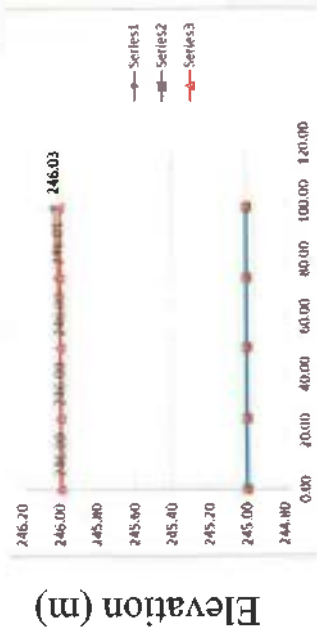
Source- Primary Data generated by DGPS Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 1.65 Ha.
- Average Thickness: 0.05
- Bulk Density: 1.54
- $1.65 * 10000 * 0.05 * 1.51 = 1270.5$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)=762.3

Cross Section Sand Bar

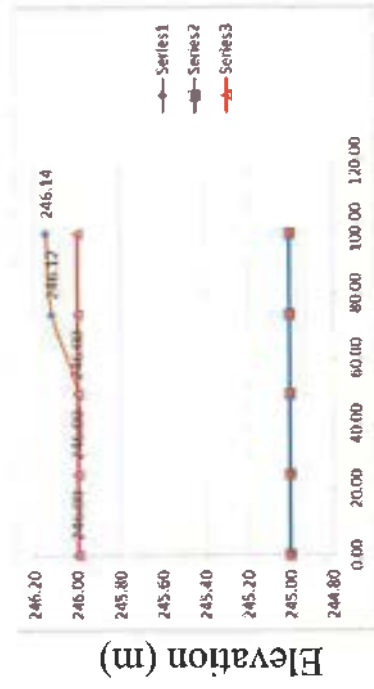
PRE_POST_NS_ST_53



**Pre Monsoon
Average Thickness:0.01**

Pre Thickne ss
0.00
0.00
0.00
0.01
0.03
0.01

Distance of the sand bar from river bank towards river (m)



**Post Monsoon
Average Thickness:0.05**

Post Thickne ss
0.00
0.00
0.00
0.12
0.14
0.05

Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data
 generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

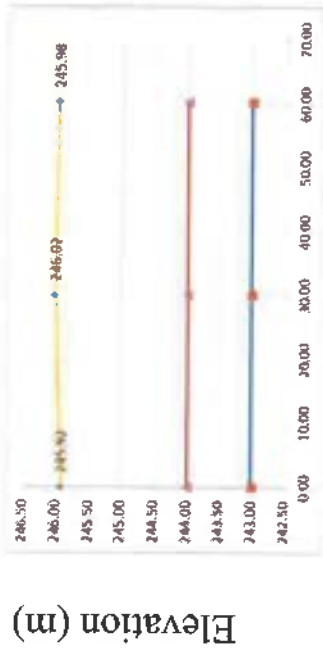
Calculation

- Potential Area(Ha.): 1.24 Ha.
- Average Thickness: 2.09
- Bulk Density: 1.54
- $1.24 * 10000 * 2.09 * 1.54 = 39910.64$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)=23946.384

Cross Section Sand Bar

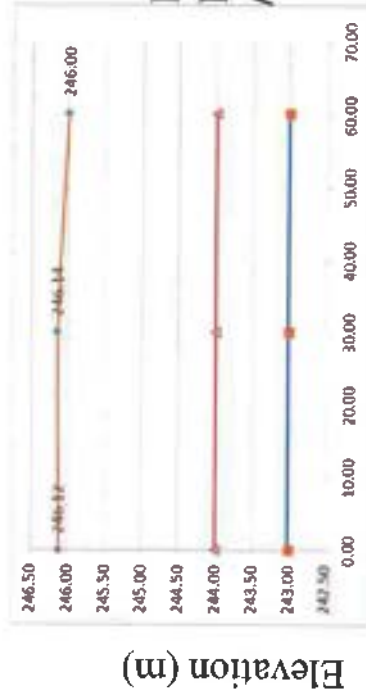
PRE_POST_NS_ST_52

Pre Thickness
 1.92
 2.02
 1.98
1.97



Distance of the sand bar from river bank towards river (m)

Post Thickness
 2.12
 2.14
 2.00
2.09



Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



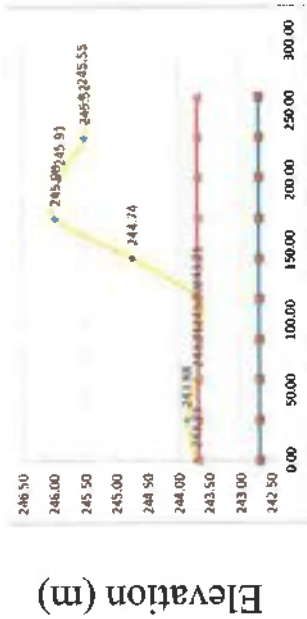
Source- Primary Data generated by DGPS Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 14.76 Ha.
- Average Thickness: 1.05
- Bulk Density: 1.54
- $14.76 * 10000 * 1.05 * 1.54 = 238669.2$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 143201.52

Cross Section Sand Bar

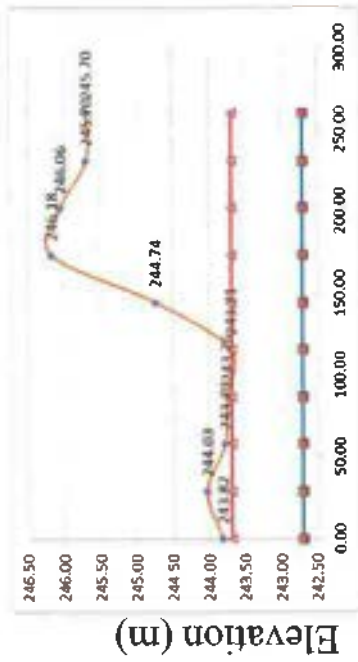
PRE_POST_NS_ST_51



Pre Monsoon
Average Thickness: 0.94

Pre Thickne ss
0.03
0.18
0.01
0.00
0.01
1.04
2.28
2.21
1.82
1.85
0.94

Distance of the sand bar from river bank towards river (m)



Post Monsoon
Average Thickness: 1.05

Post thickne ss
0.12
0.33
0.09
0.06
0.01
1.04
2.48
2.36
2.00
2.00
1.05

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



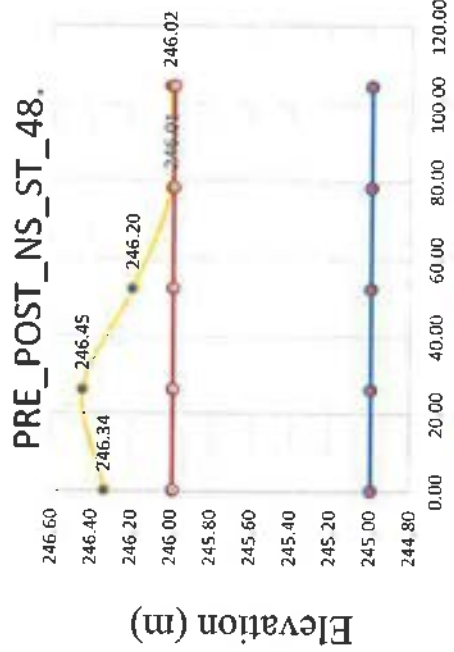
Distance of the sand bar from river bank towards river (m)

Source- Primary Data
 generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

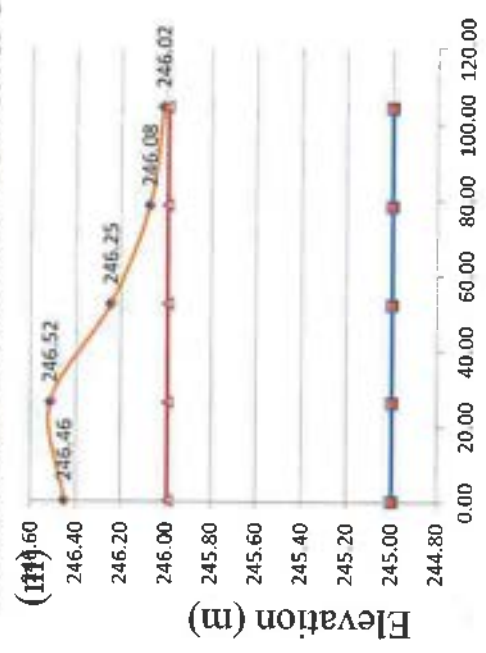
- Potential Area(Ha.): 0.69 Ha.
- Average Thickness: 0.26
- Bulk Density: 1.54
- 0.69 *10000* 0.26 *1.54= 2762.76 Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020)= 1657.656

Cross Section Sand Bar



Pre Monsoon
 Pre Thickness: 0.34
 0.45
 0.20
 0.01
 0.02
 0.20

Distance of the sand bar from river bank towards river



Post Monsoon
 Post Thickness: 0.46
 0.52
 0.25
 0.08
 0.02
 0.26

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



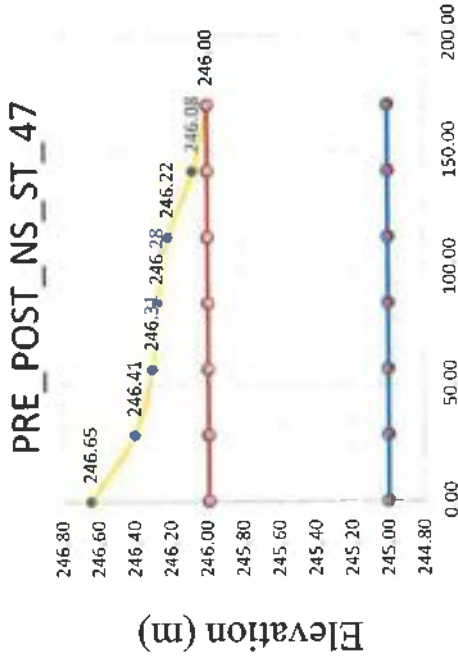
Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS Hi- Target DGPS (Model No. V30plus)

Calculation

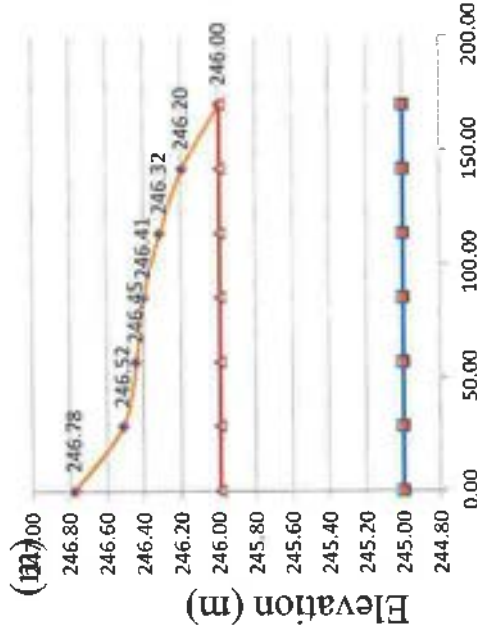
- Potential Area(Ha.): 7.30 Ha.
- Average Thickness: 0.38
- Bulk Density: 1.54
- $7.30 * 10000 * 0.38 * 1.54 = 42719.6$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 25631.76

Cross Section Sand Bar



Pre Monsoon
Average Thickness: 0.28

Distance of the sand bar from river bank towards river



Post Monsoon
Average Thickness: 0.38

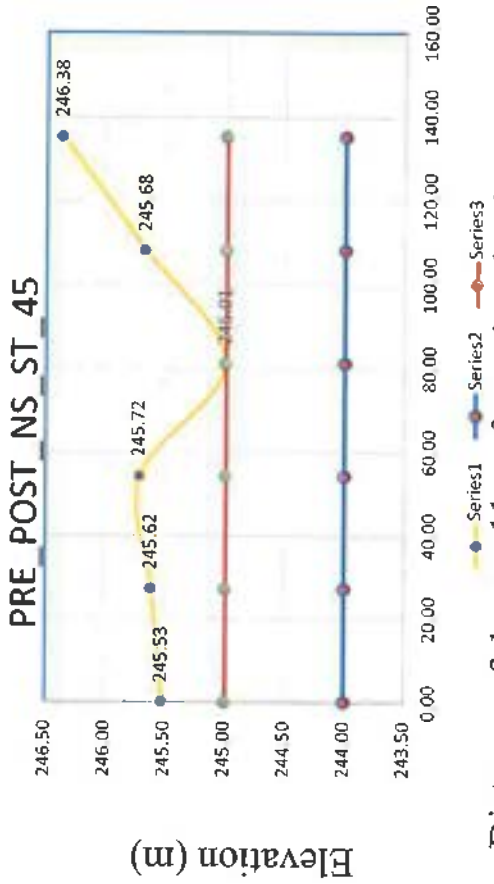
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

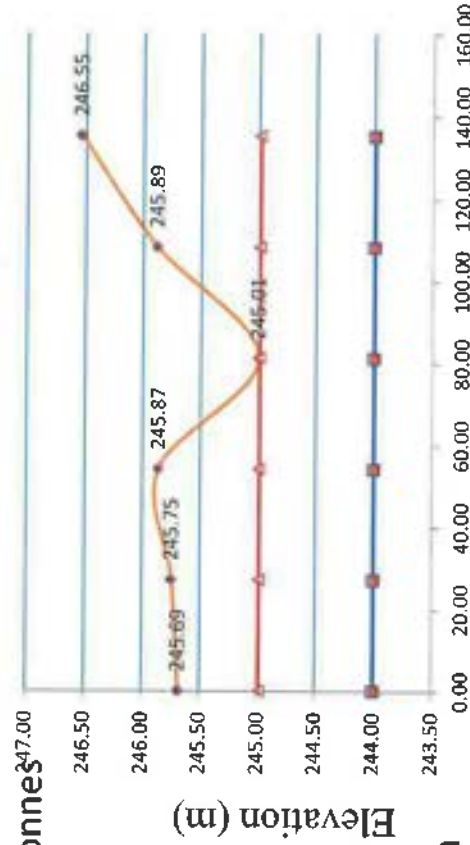


Pre Monsoon

Average Thickness: 0.66

Pre Thickness
0.53
0.62
0.72
0.01
0.68
1.38
0.66

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness: 0.79

Post Thickness
0.69
0.75
0.87
0.01
0.89
1.55
0.79

Distance of the sand bar from river bank towards river (m)

Calculation

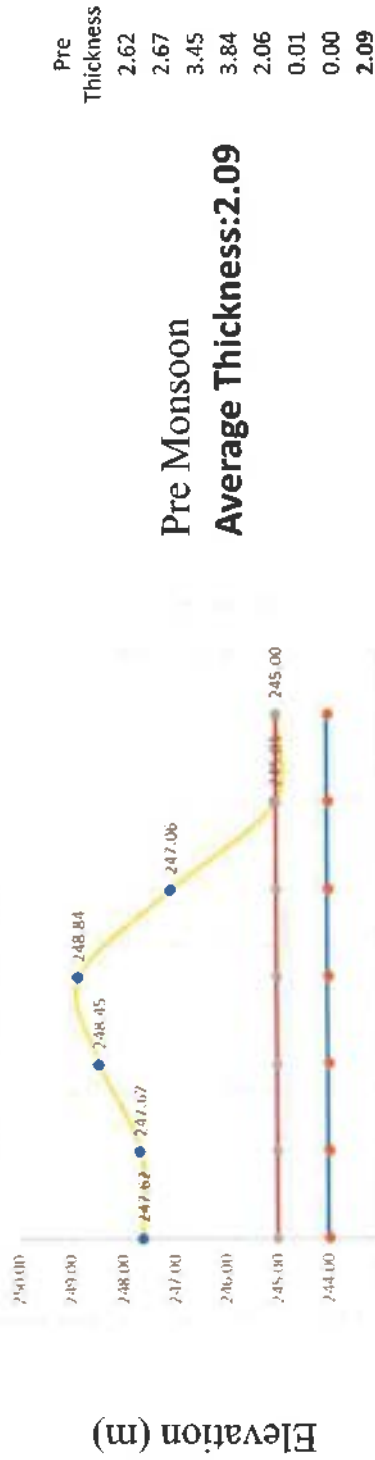
- Potential Area(Ha.): 2.11 Ha.
- Average Thickness: 0.79
- Bulk Density: 1.54
- $2.11 * 10000 * 0.79 * 1.54 = 25670.26$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 15402.156

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar
 PRE_POST_NS_ST_40.

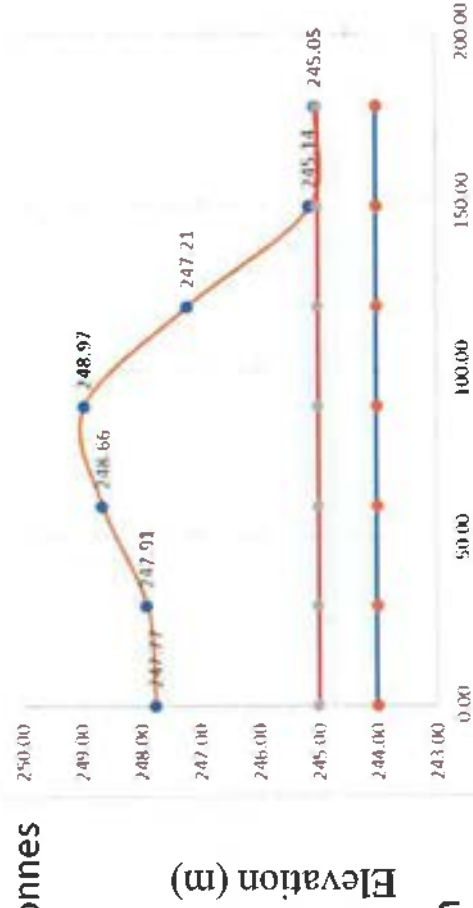


Pre Thickness
2.62
2.67
3.45
3.84
2.06
0.01
0.00
2.09

Calculation

- Potential Area(Ha.): 1.11 Ha.
- Average Thickness: 2.24
- Bulk Density: 1.56
- $1.11 * 10000 * 2.24 * 1.56 = 38787.84$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020) = 23272.704

Distance of the sand bar from river bank towards river (m)



Post Thickness
2.77
2.91
3.66
3.97
2.21
0.14
0.05
2.24

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_NS_ST_39



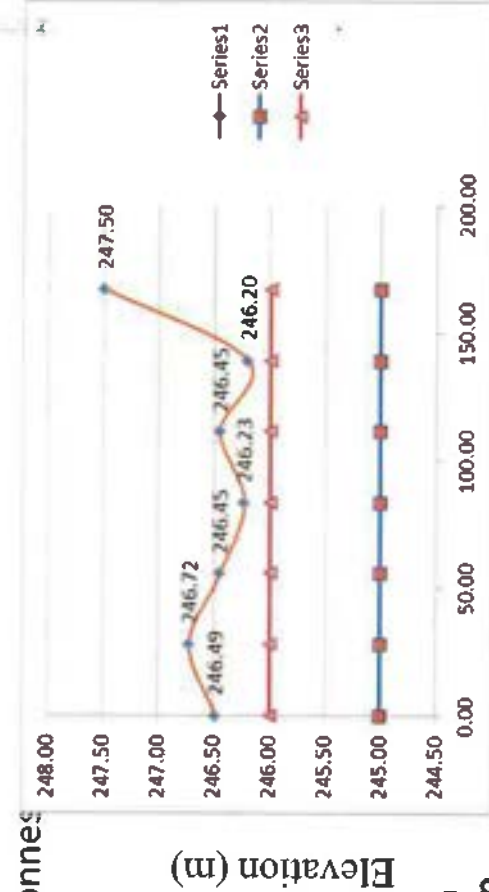
Elevation (m)

Distance of the sand bar from river bank towards river (m)

Pre Monsoon
 Average Thickness: 0.43

Pre Thickness
0.27
0.61
0.34
0.04
0.34
0.10
1.32
0.43

- Potential Area(Ha.): 5.34 Ha.
- Average Thickness: 0.58
- Bulk Density: 1.56
- $5.34 * 10000 * 0.58 * 1.56 = 48316.32$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 28989.792



Elevation (m)

Distance of the sand bar from river bank towards river (m)

Post Monsoon
 Average Thickness: 0.58

Post Thickness
0.49
0.72
0.45
0.23
0.45
0.20
1.50
0.58

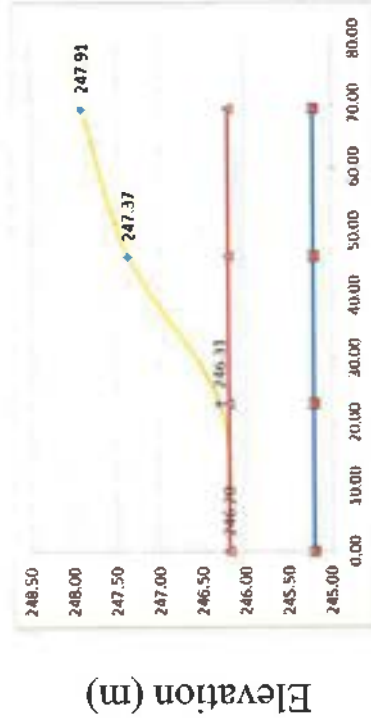
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_NS_ST_38



Pre Monsoon

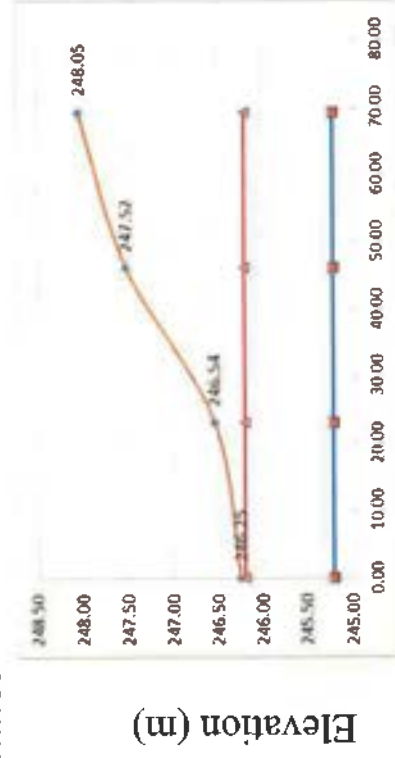
Average Thickness: 0.75

Pre Thickness
0.00
0.11
1.17
1.71
0.75

Calculation

- Potential Area(Ha.): 0.82 Ha.
- Average Thickness: 0.89
- Bulk Density: 1.56
- $0.82 * 10000 * 0.89 * 1.56 = 11384.88$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020)= 6830.928

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness: 0.89

Post Thickness
0.05
0.34
1.32
1.85
0.89

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

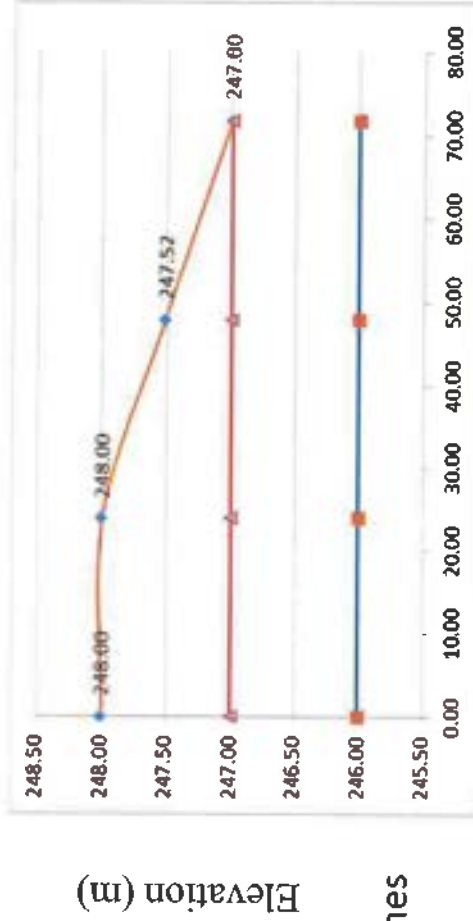


Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_NS_ST_37A.



Calculation

- Potential Area(Ha.): 1.04 Ha.
- Average Thickness: 0.63
- Bulk Density: 1.56
- $1.041 * 10000 * 0.63 * 1.56 = 10221.12$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM,
 2020)= 6132.672

- Post monsoon Elevation
- Thalweg line
- Red Line

Distance of the sand bar from river bank towards river (m)

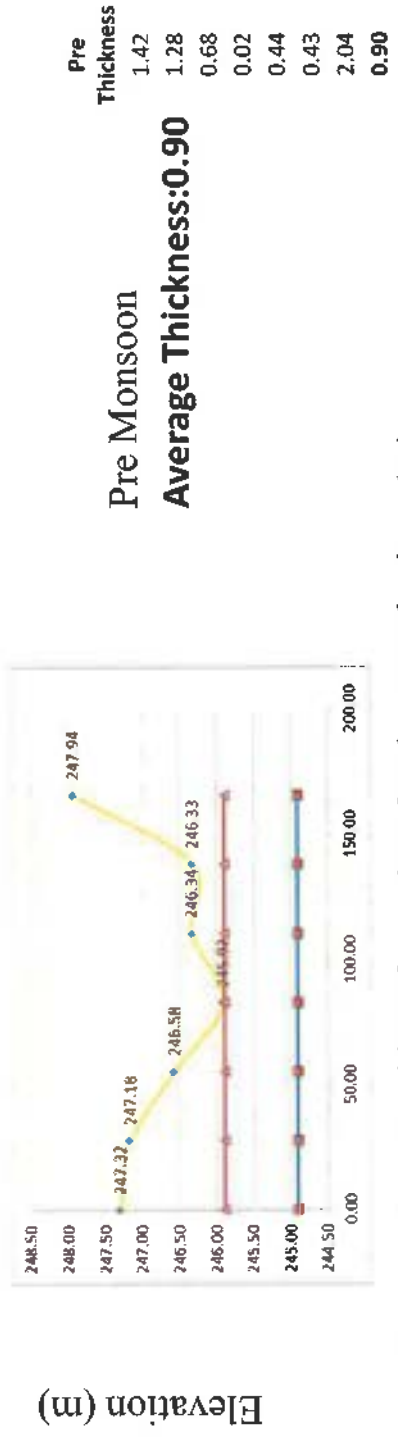
Post Monsoon
 Average Thickness: 0.63



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

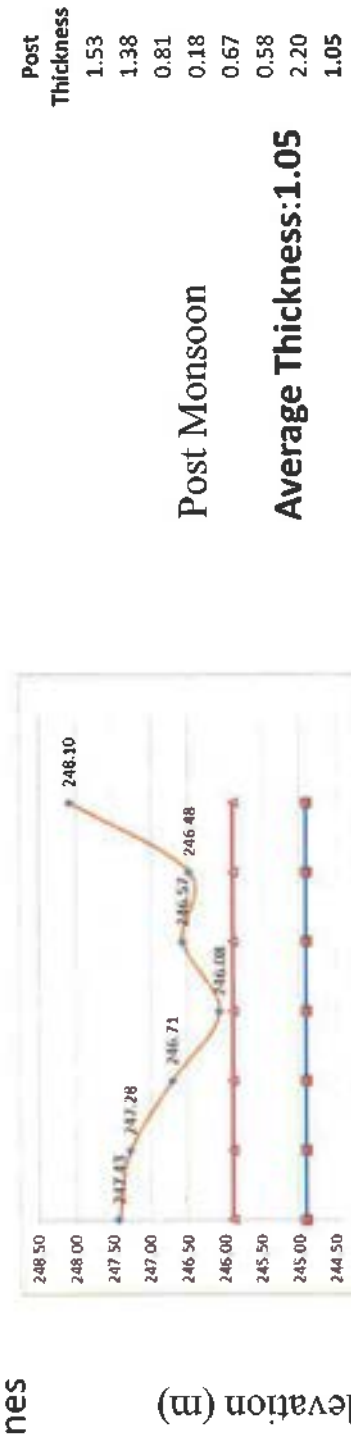
Cross Section Sand Bar

PRE_POST_NS_ST_37



Distance of the sand bar from river bank towards river (m)

➤ Potential Area(Ha.): 3.09 Ha.
 ➤ Average Thickness: 1.05
 ➤ Bulk Density: 1.56
 3.09*10000*1.05*1.56= 50614.2 Tonnes
 ➤ Total excavation in Tonnes
 Considering 60% as per EMGSM,
 2020)= 30368.52



Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

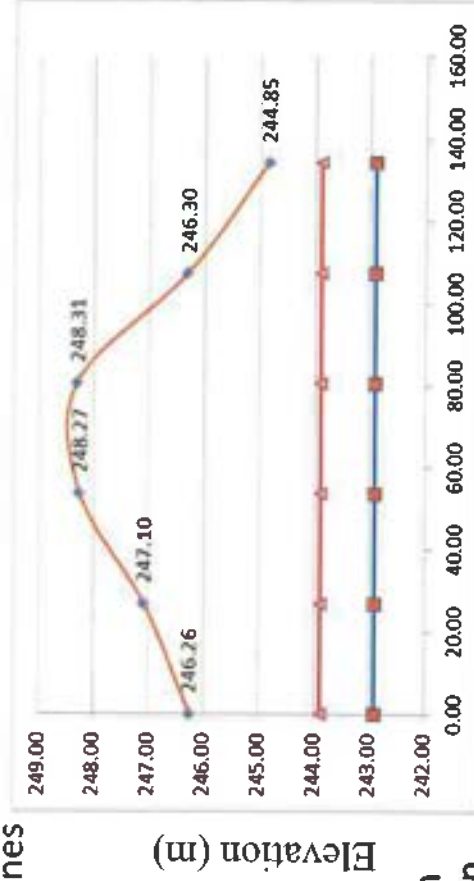
PRE_POST_NS_ST_36



Pre Monsoon

Average Thickness:2.78

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness:2.95

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 1.71 Ha.
- Average Thickness: 2.95
- Bulk Density: 1.56
- $1.71 * 10000 * 2.95 * 1.56 = 78694.2$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020) = 47216.52

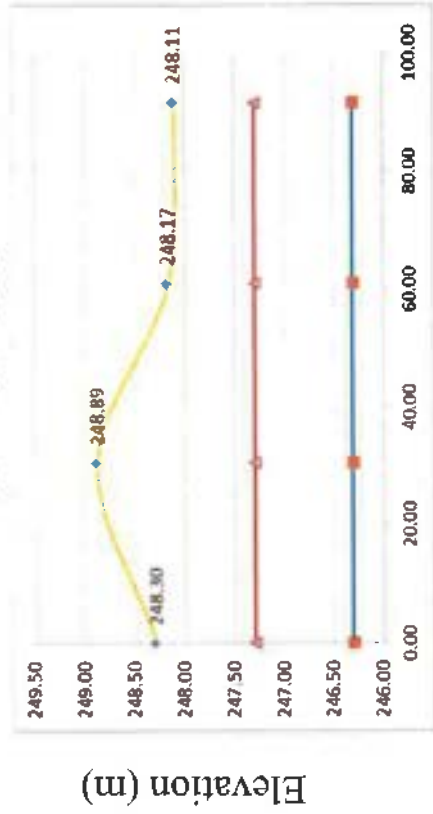
- Red Line
- Yellow line with diamond markers
- Orange line
- Blue line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_NS_ST_32



Pre Monsoon

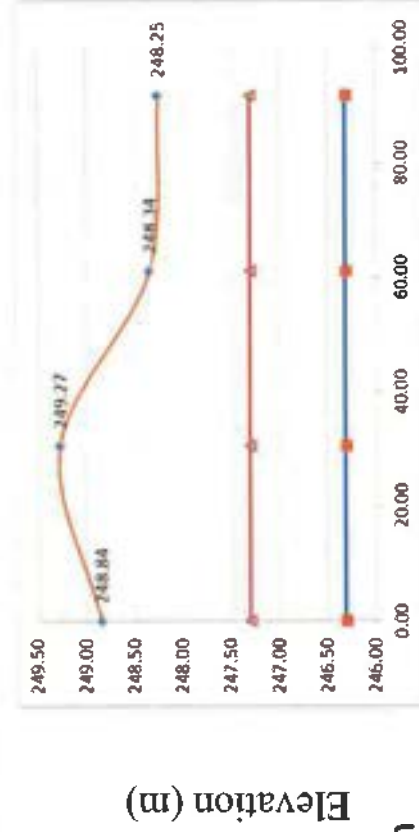
Average Thickness:1.38

Pre Thickness
1.54
1.97
1.04
0.95
1.38

Calculation

- Potential Area(Ha.): 6.01 Ha.
- Average Thickness: 1.38
- Bulk Density: 1.54
- $6.01 * 10000 * 1.38 * 1.54 = 127724.52$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)= 76634.712

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness:1.07

Post Thickness
1.00
1.59
0.87
0.81
1.07

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)

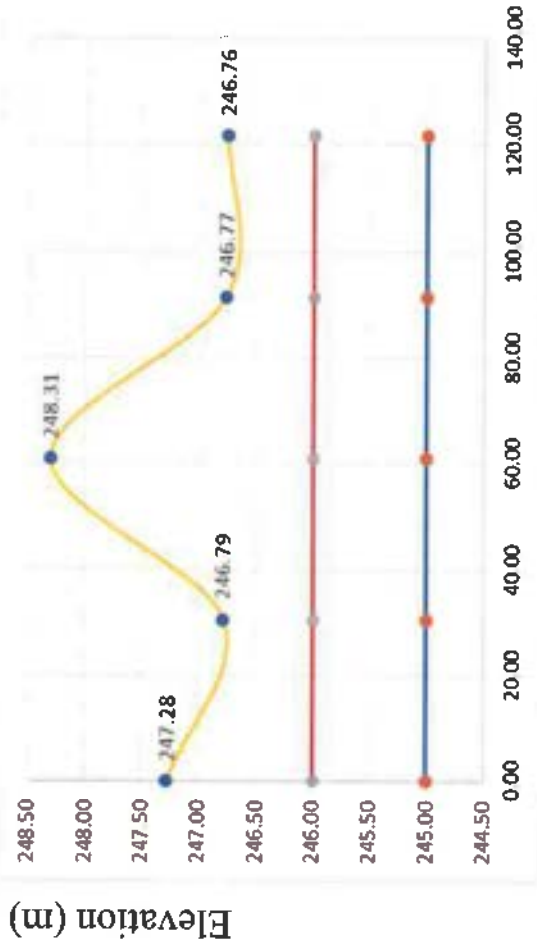


Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_NS_ST_33

Pre Thickness
 1.28
 0.79
 2.31
 0.77
 0.76
 1.18



Pre Monsoon

Average Thickness:1.18

Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_NS_ST_31



Calculation

- Potential Area(Ha.):4.04 Ha.
- Average Thickness: 1.87
- Bulk Density: 1.54
- $4.04 * 10000 * 1.87 * 1.54 = 116343.92$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020)=69806.352

Distance of the sand bar from river bank towards river (m)

POST_NS_ST_31_33



Elevation (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

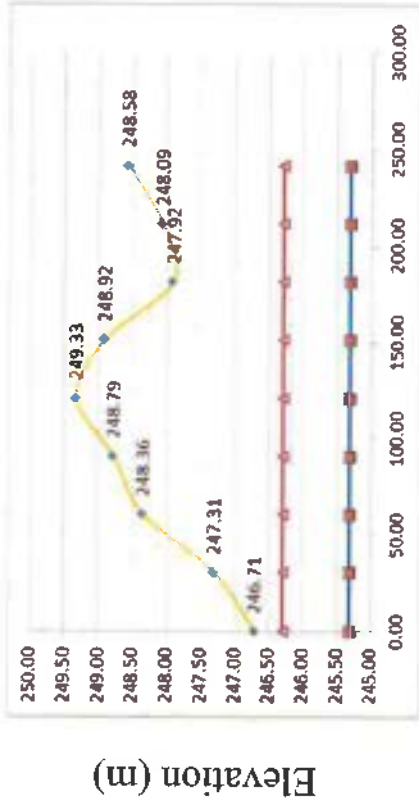
Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_NS_ST_30



Pre Monsoon

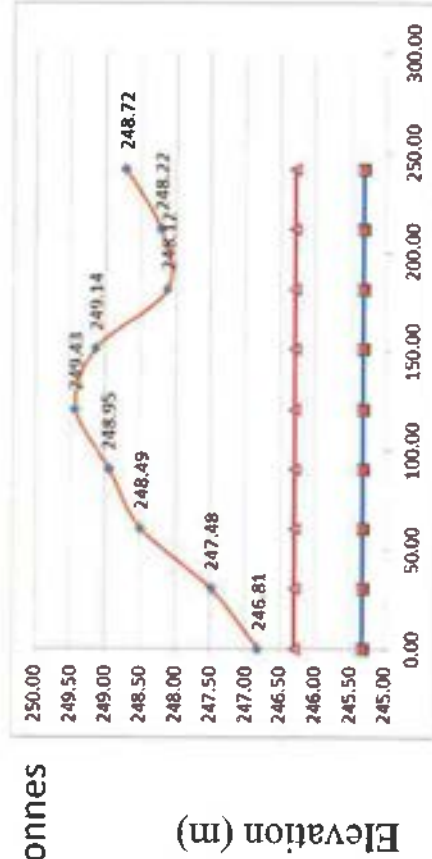
Average Thickness:1.92

Pre Thickness
0.41
1.01
2.06
2.49
3.03
2.62
1.62
1.79
2.28
1.92

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 4.82 Ha.
- Average Thickness: 2.07
- Bulk Density: 1.54
- $4.82 * 10000 * 2.07 * 1.54 = 153651.96$ Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, $2020) = 92191.176$



Post Monsoon

Average Thickness:2.07

Post Thickness
0.51
1.18
2.19
2.65
3.13
2.84
1.82
1.92
2.42
2.07

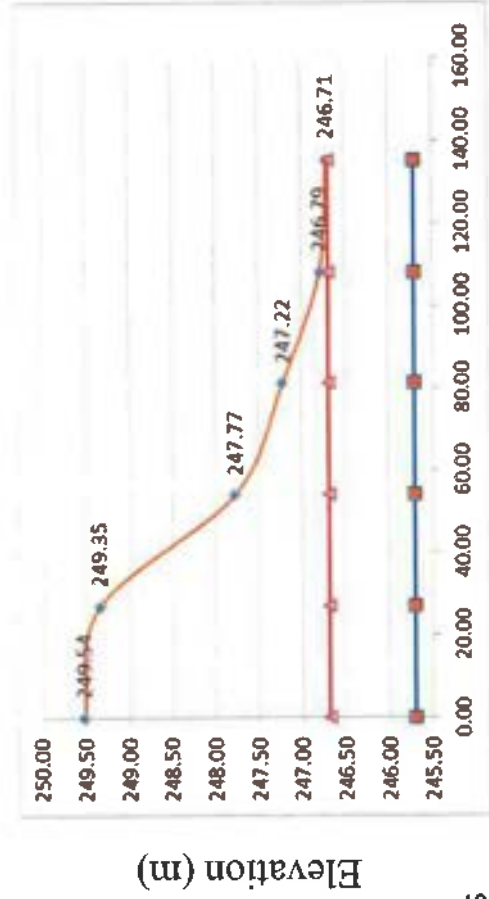
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar
PO_NS_ST_28A



Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 4.70 Ha.
- Average Thickness: 1.2
- Bulk Density: 1.54
- $4.70 * 10000 * 1.2 * 1.54 = 86856$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM,
 $2020) = 52113.6$

— Post monsoon Elevation
 — Thalweg line
 — Red Line

Post Monsoon

Average Thickness: 1.20

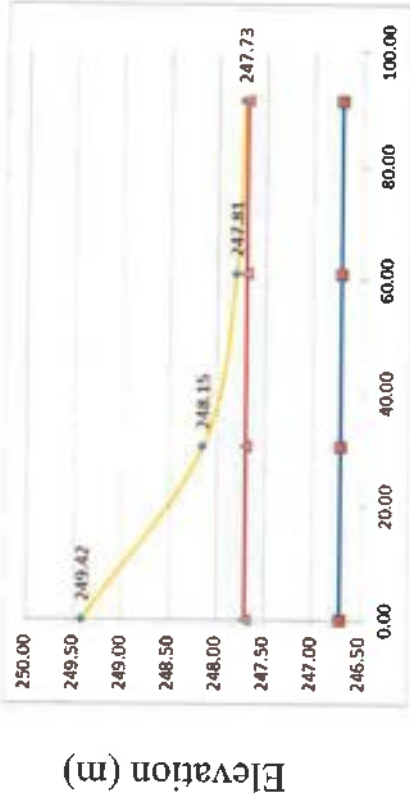
Post Thickness
 2.84
 2.65
 1.07
 0.52
 0.09
 0.01
 1.20



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_NS_ST_28

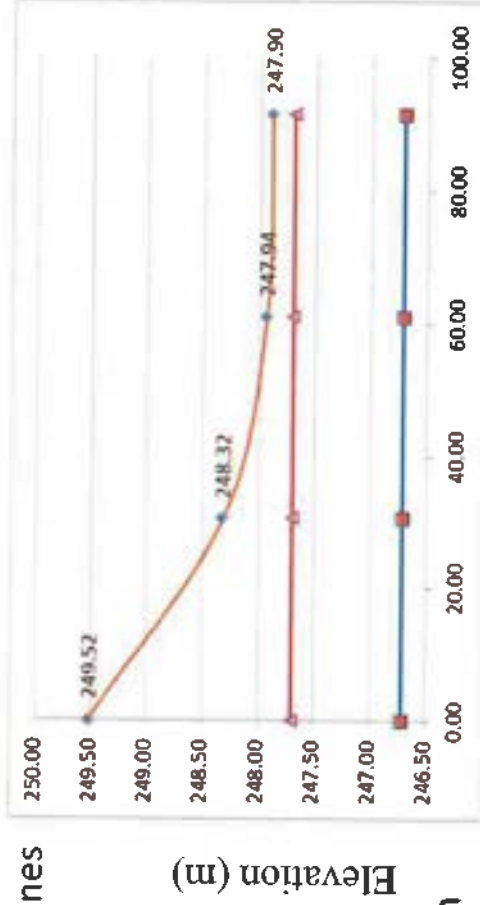


Pre Monsoon

Average Thickness:0.58

Pre Thickness
1.72
0.45
0.11
0.03
0.58

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness:0.72

Post Thickness
1.82
0.62
0.24
0.20
0.72

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 1.15 Ha.
- Average Thickness: 0.72
- Bulk Density: 1.54
- $1.15 * 10000 * 0.72 * 1.54 = 12751.2$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020)= 7650.72

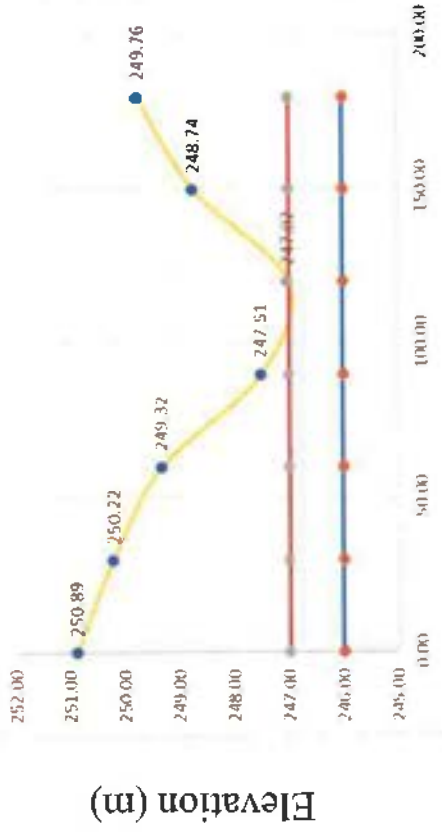
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE POST BL ST 27



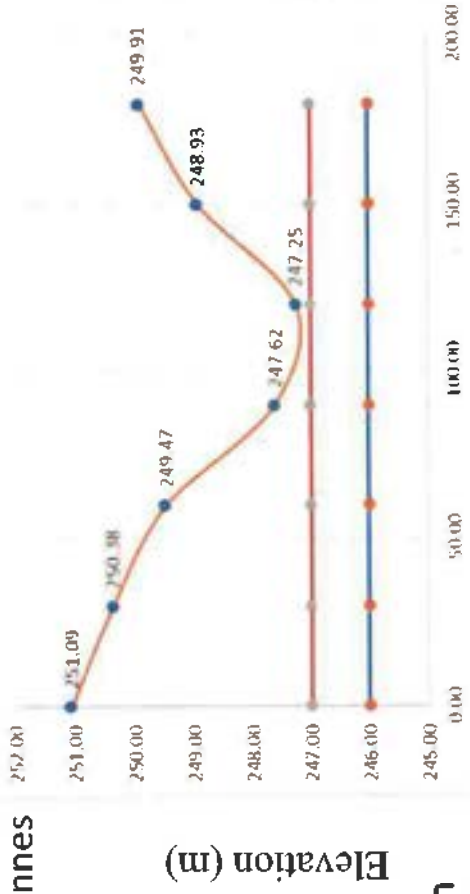
Pre Monsoon
 Average Thickness: 2.07

Pre Thickness
3.89
3.22
2.32
0.51
0.02
1.74
2.76
2.07

Calculation

- Potential Area(Ha.): 2.31 Ha.
- Average Thickness: 2.24
- Bulk Density: 1.54
- $2.31 * 10000 * 2.24 * 1.54 = 79685.76$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 47811.456

Distance of the sand bar from river bank towards river (m)



Post Monsoon
 Average Thickness: 2.24

Post Thickness
4.09
3.38
2.47
0.62
0.25
1.93
2.91
2.24

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Distance of the sand bar from river bank towards river (m)

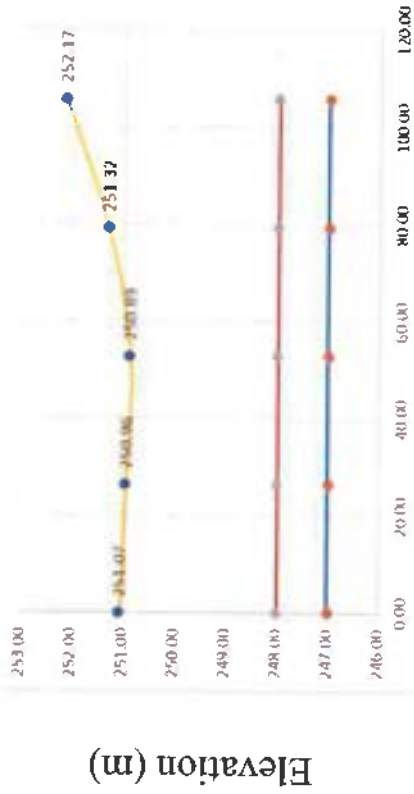
Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 1.30 Ha.
- Average Thickness: 3
- Bulk Density: 1.53
- $1.30 * 10000 * 3 * 1.53 = 59670$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)= 35802

Cross Section Sand Bar

PRE POST BL ST 22

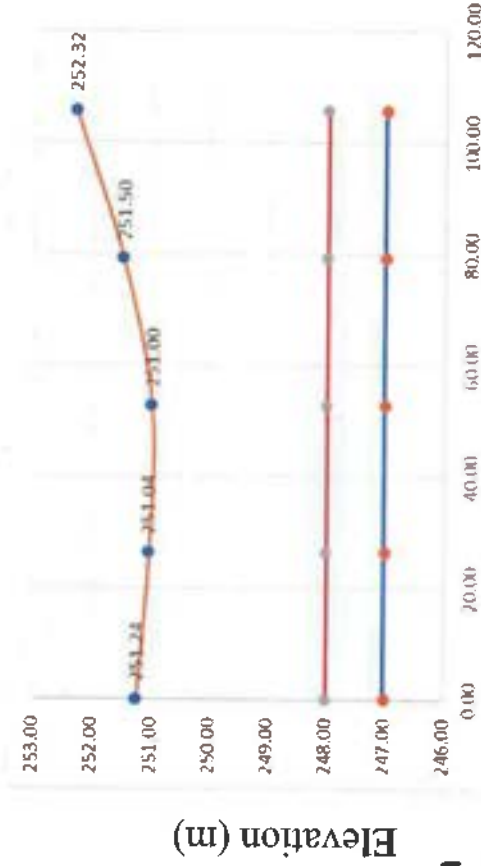


Pre Monsoon

Average Thickness: 3.28

Pre Thickness
3.07
2.96
2.89
3.32
4.17
3.28

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness: 3.42

Post Thickness
3.24
3.04
3.00
3.50
4.32
3.42

Distance of the sand bar from river bank towards river (m)

- Red Line
- Yellow Line
- Orange Line
- Blue Line



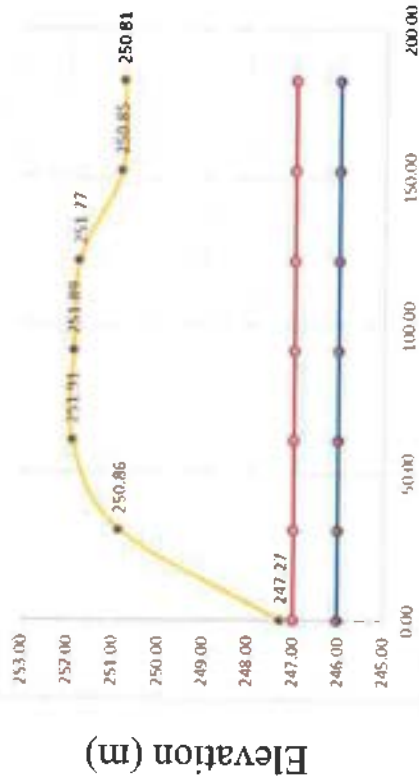
Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 4.70 Ha.
- Average Thickness: 3
- Bulk Density: 1.53
- $4.70 * 10000 * 3 * 1.53 = 215730$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 129438

Cross Section Sand Bar

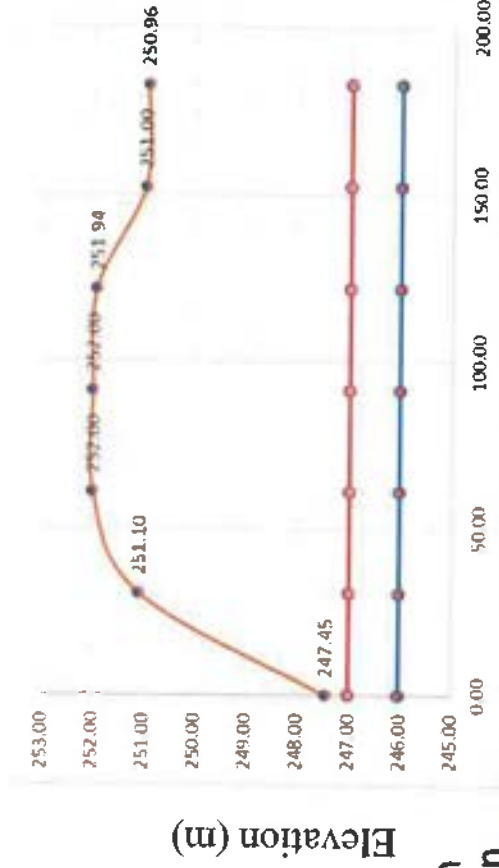
PRE_POST_BL_ST_19



Pre Monsoon

Average Thickness: 3.77

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness: 3.92

Distance of the sand bar from river bank towards river (m)

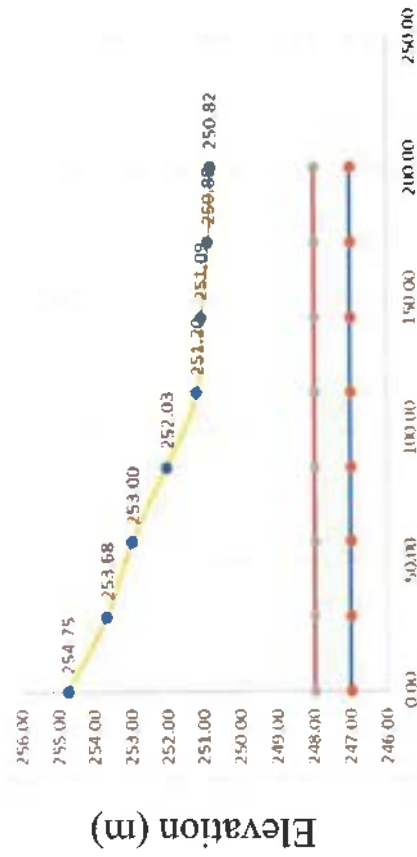
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

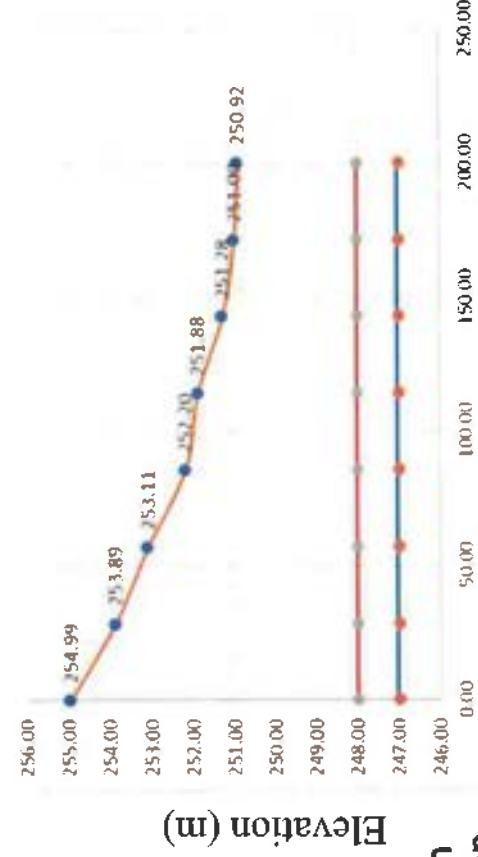
PRE_POST_BL_ST_17



Pre Thickness
6.75
5.68
5.00
4.03
3.20
3.09
2.88
2.82
4.18

Pre Monsoon
 Average Thickness:
4.18

Distance of the sand bar from river bank towards river (m)



Post Thickness
6.99
5.89
5.11
4.20
3.88
3.28
3.00
2.92
4.41

Post Monsoon
 Average Thickness:
4.41

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 5.85 Ha.
- Average Thickness: 3
- Bulk Density: 1.53
- $5.85 * 10000 * 3 * 1.53 = 268515$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM,
 $2020) = 161109$

- Red Line
 - Yellow Line
 - Blue Line
 - Green Line
- Red Line: Pre monsoon Elevation
 Yellow Line: Post monsoon Elevation
 Blue Line: Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

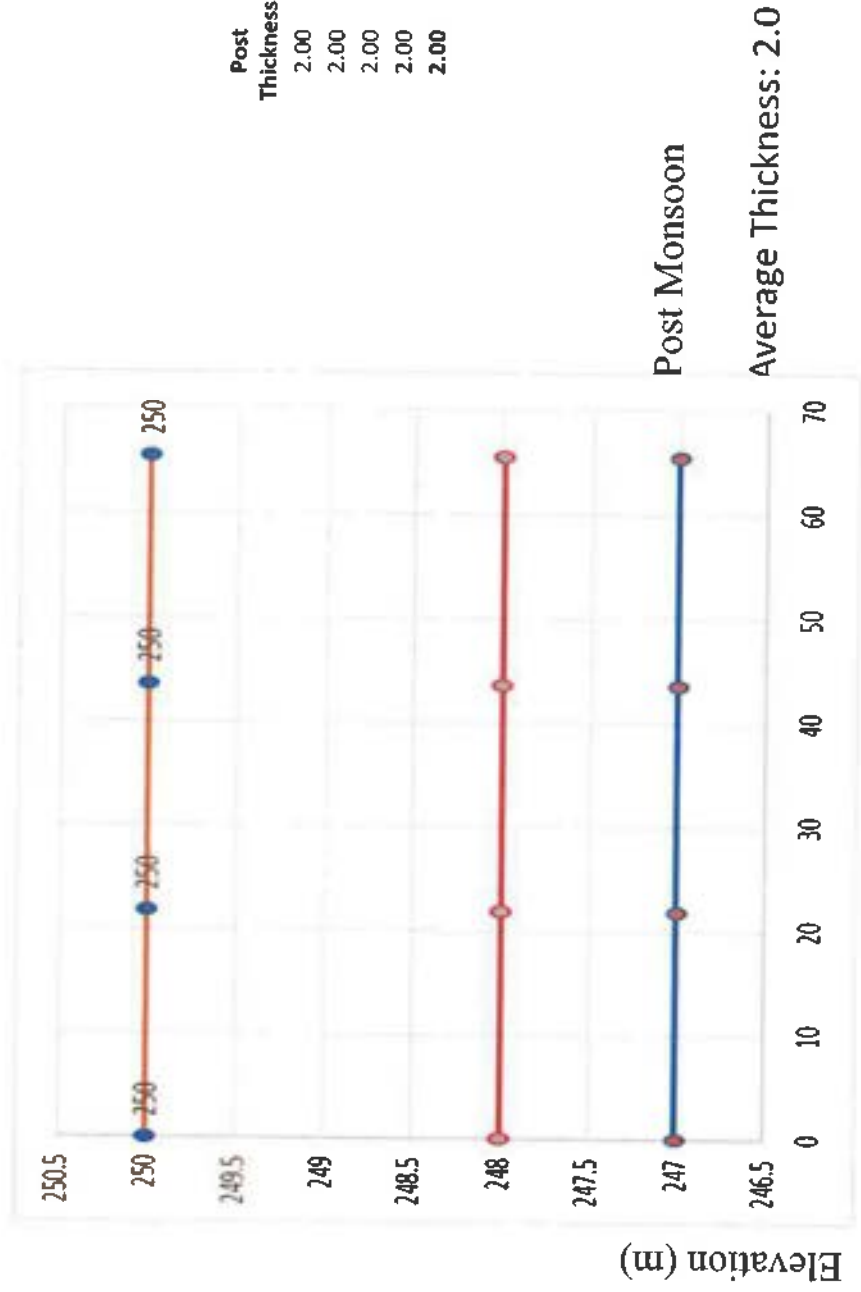
Calculation

- Potential Area(Ha.): 3.04 Ha.
 - Average Thickness: 2
 - Bulk Density: 1.56
 - 3.04 * 10000*2* 1.56= 94848 Tonnes
 - Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=56908.8

- Post monsoon Elevation
- Thalweg line
- Red Line

Cross Section Sand Bar

POST_BL_ST_15A

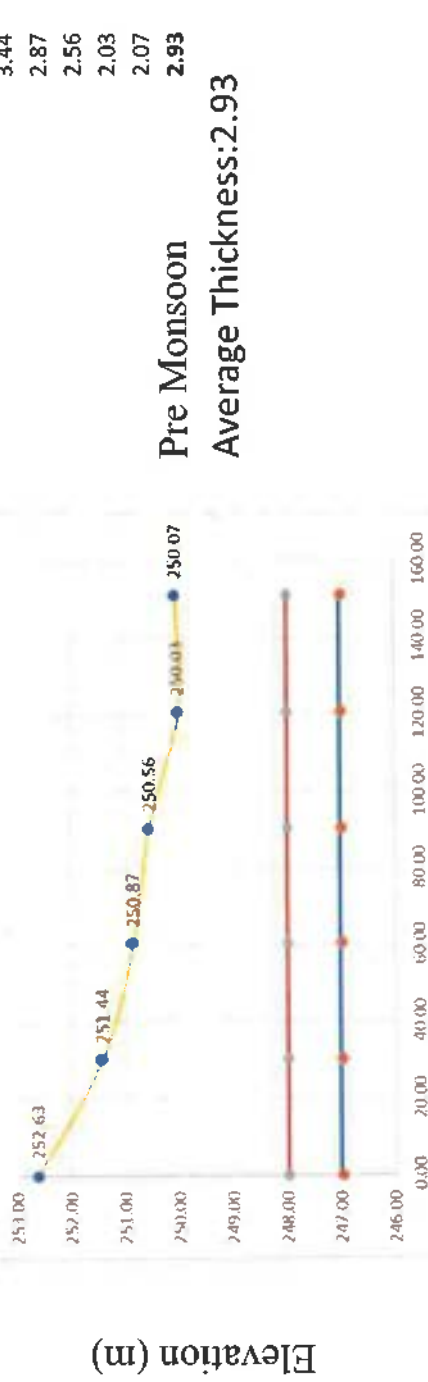


Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_BL_ST_15

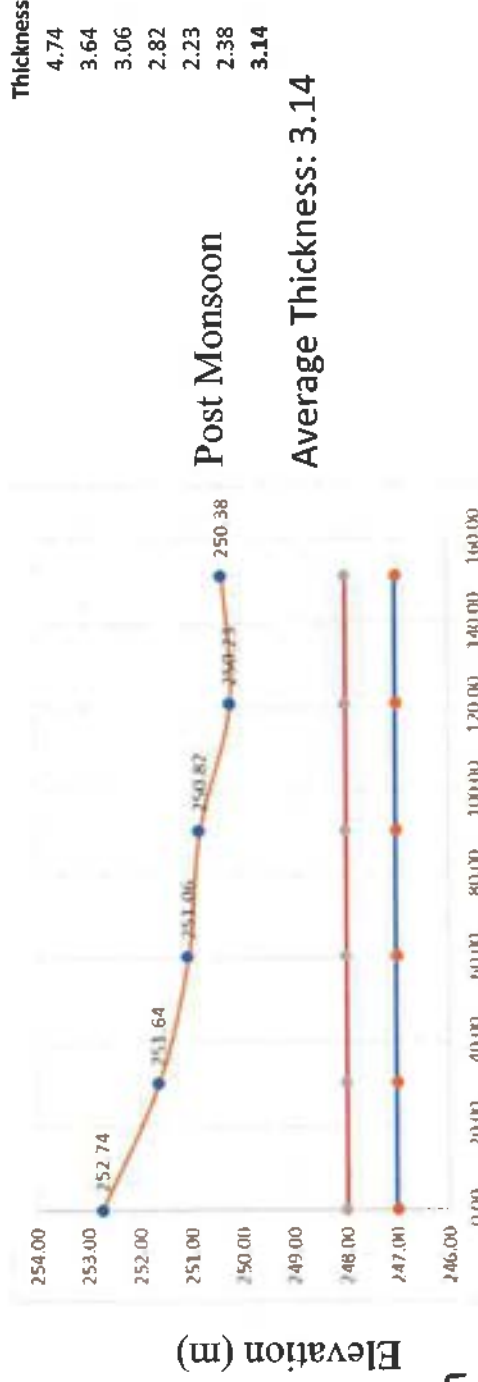


Pre Monsoon
 Average Thickness: 2.93

Calculation

- Potential Area(Ha.): 1.40 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $1.40 * 10000 * 3 * 1.56 = 65520$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM,
 $2020) = 39312$

Distance of the sand bar from river bank towards river (m)



Post Monsoon
 Average Thickness: 3.14

Elevation (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)

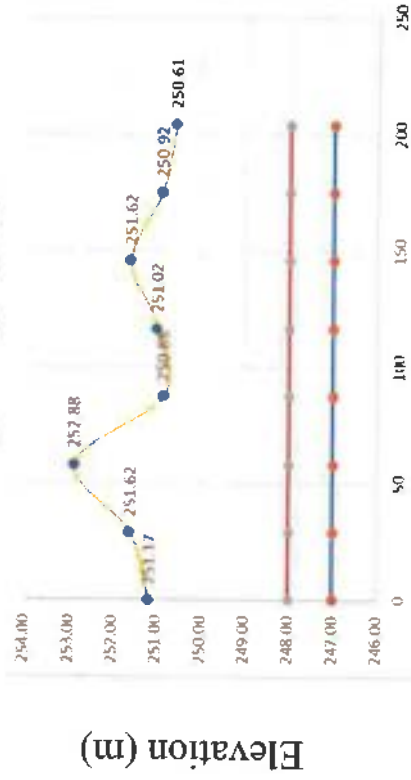


Source- Primary Data generated by DGPS

Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_POST_BL_ST_14

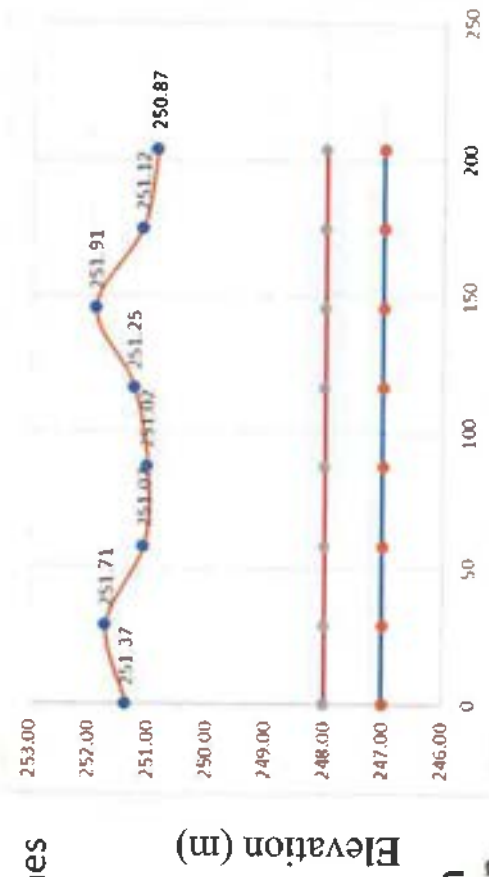


Pre Monsoon

Average Thickness:3.34

Pre Thickness
3.17
3.62
4.88
2.88
3.02
3.62
2.92
2.61
3.34

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness:3.29

Post Thickness
3.37
3.71
3.07
3.02
3.25
3.91
3.12
2.87
3.29

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.):10.18 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- 10.18 * 10000*3*1.56= 476424 Tonnes
- Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)=285854.4

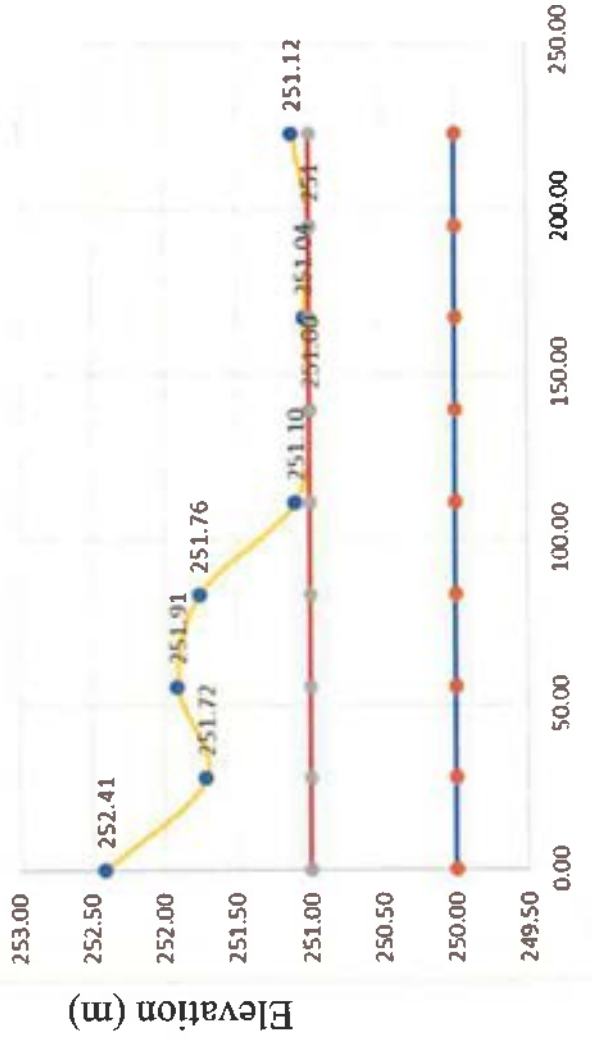
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_BL_ST_13



Pre Thickness

1.41
0.72
0.91
0.76
0.10
0.00
0.04
0.00
0.12
0.45

Pre Monsoon

Average Thickness:0.45

- Red Line
- Pre monsoon Elevation
- Thalweg line

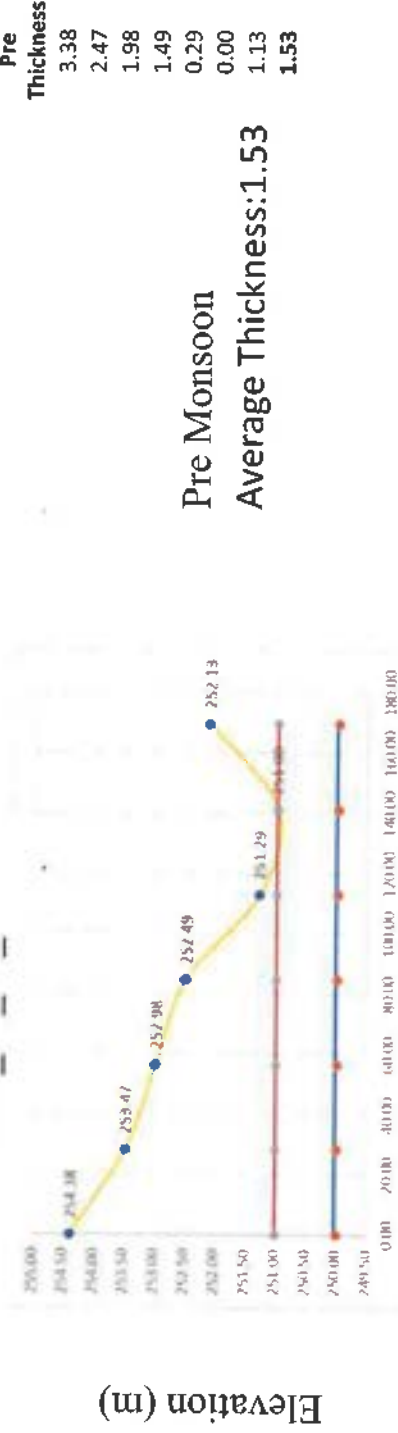
Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

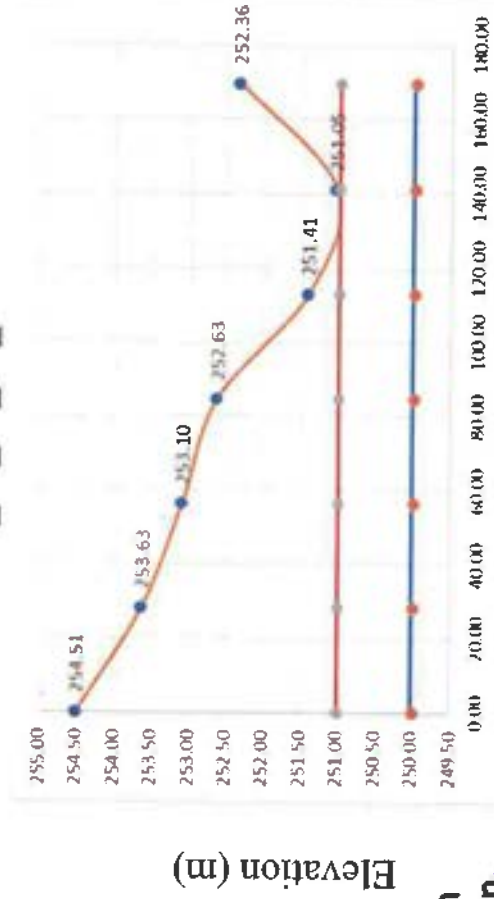
Cross Section Sand Bar

PRE_BL_ST_12



Pre Thickness
3.38
2.47
1.98
1.49
0.29
0.00
1.13
1.53

Distance of the sand bar from river bank towards river (m)
 PO_BL_ST_12_13



Post Thickness
3.51
2.63
2.10
1.63
0.41
0.05
1.36
1.36

Calculation

- Potential Area(Ha.): 10.66 Ha.
- Average Thickness: 1.36
- Bulk Density: 1.56
- $10.66 * 10000 * 1.36 * 1.51 = 226162.56$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020) = 135697.536

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



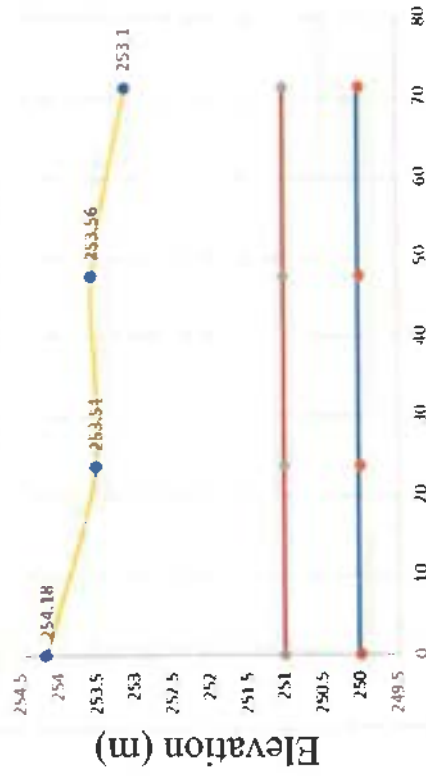
Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

Pre Thickness
 3.18
 2.51
 2.56
 2.10
2.59

PRE_POST_BL_ST_11



Pre Monsoon

Average Thickness:2.59

Calculation

- Potential Area: 3.76 Ha.
- Average Thickness: 2.93 Bulk
- Density: 1.56

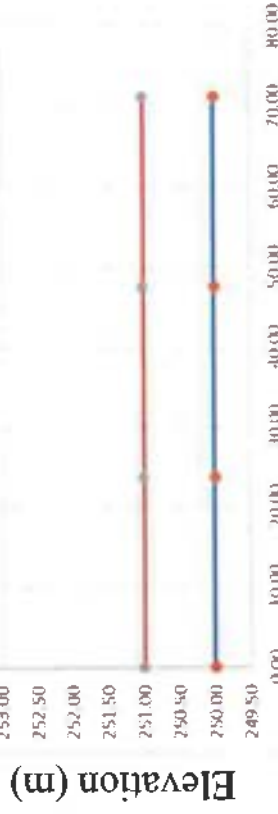
$3.76 * 10000 * 2.93 * 1.56 = 171862.08$ Ton

➤ Total excavation in Tonnes

Considering 60% as per EMGSM, 2020)= 103117.248

Distance of the sand bar from river bank towards river (m)

Post Thickness
 3.36
 2.63
 2.72
 3.00
2.93



Post Monsoon

Average Thickness:2.93

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



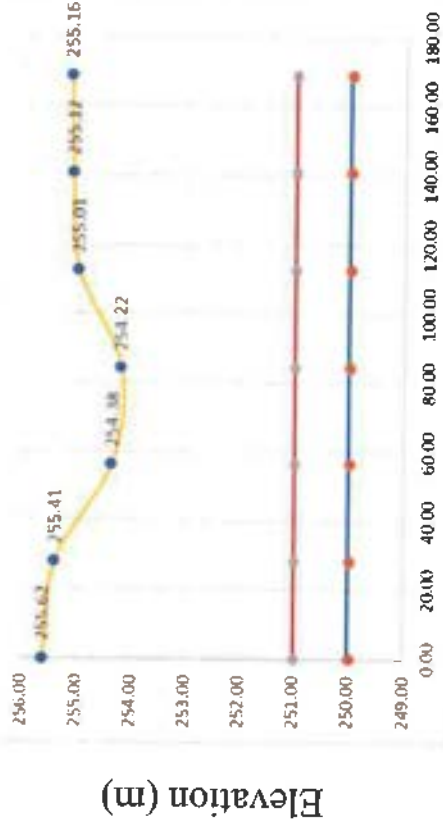
Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 7.07 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- 7.07 *10000*3*1.56=330876 Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)=198525.6

Cross Section Sand Bar

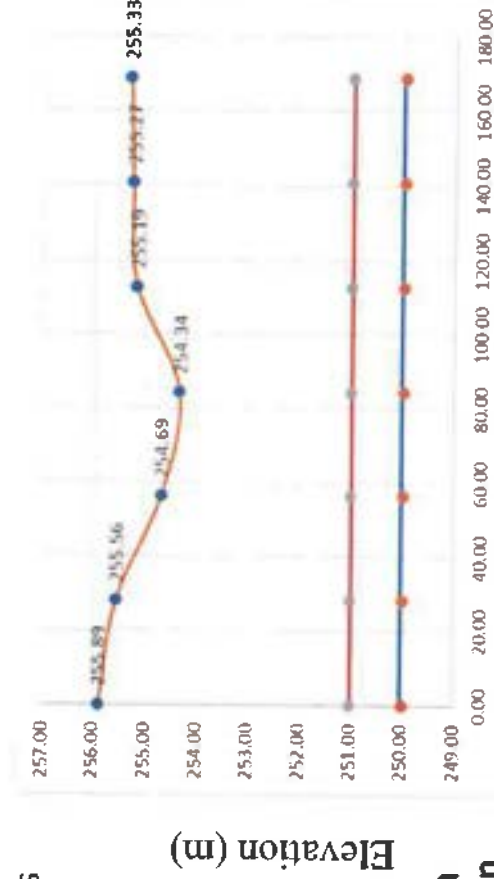
PRE POST BL ST 10



Pre Monsoon
 Average Thickness:
 3.99

Pre Thickness
4.62
4.41
3.38
3.22
4.01
4.12
4.16
3.99

Distance of the sand bar from river bank towards river (m)



Post Monsoon
 Average Thickness:
 4.18

Post Thickness
4.89
4.56
3.69
3.34
4.19
4.27
4.33
4.18

Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



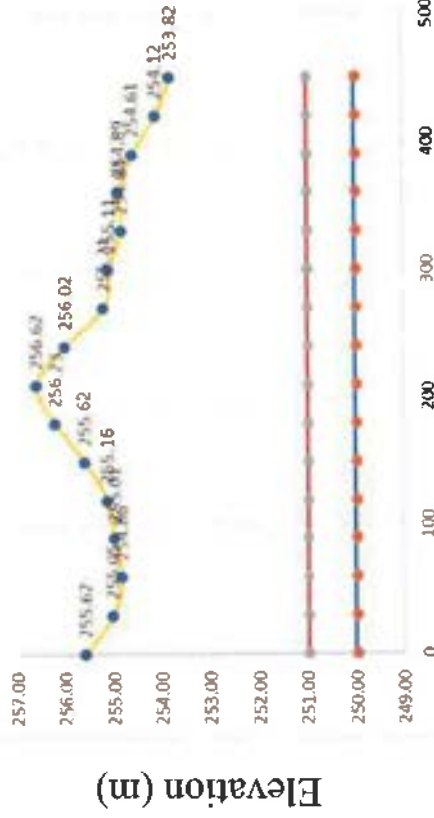
Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 17.05 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $17.05 * 10000 * 3 * 1.56 = 797940$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)=478764

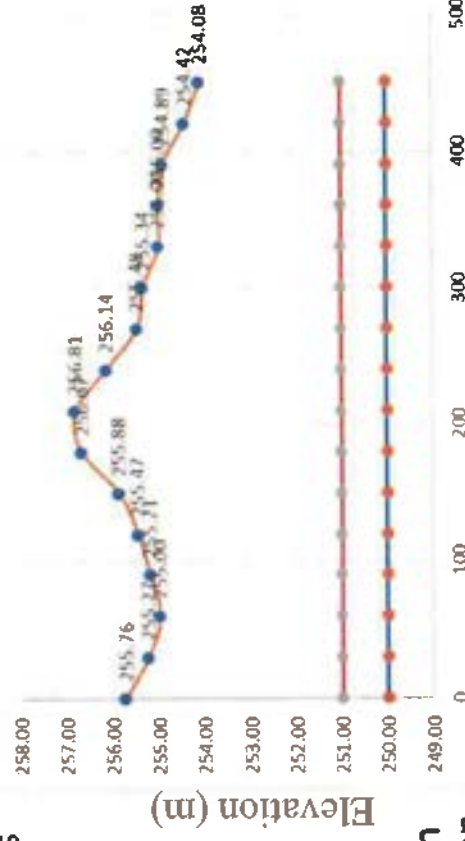
Cross Section Sand Bar

PRE_POST_BL_ST_09



Pre Monsoon
 Average Thickness:
 4.17

Distance of the sand bar from river bank towards river (m)



Post Monsoon
 Average Thickness:4.49

Distance of the sand bar from river bank towards river (m)

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line



Pre Thickness
4.62
4.05
3.86
4.01
4.16
4.62
5.23
5.62
5.02
4.21
4.11
3.84
3.89
3.61
3.12
2.82
4.17

Post Thickness
4.76
4.27
4.00
4.21
4.47
4.88
5.67
5.81
5.14
4.48
4.34
4.00
4.00
3.89
3.42
3.08
4.49

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

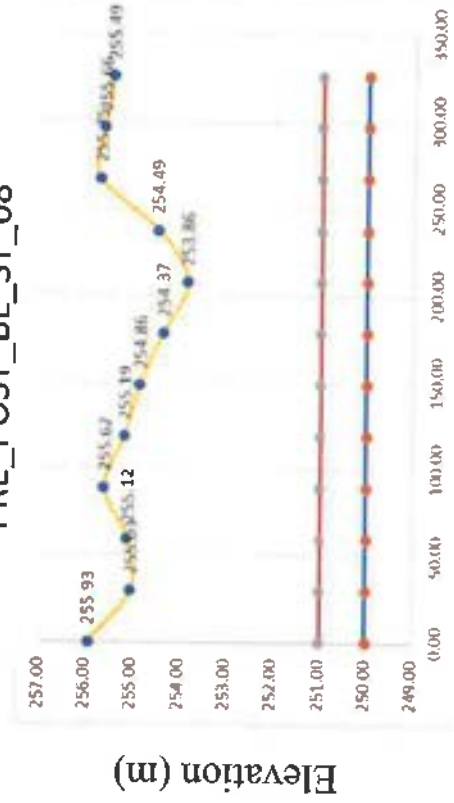
Calculation

- Potential Area(Ha.): 9.20 .
- Average Thickness: 3
- Bulk Density: 1.56

$9.20 * 10000 * 3 * 1.56 = 430560$ Tonnes
 ➤ Total excavation in Tonnes
 Considering 60% as per EMGSM,
 $2020) = 258336$

Cross Section Sand Bar

PRE_POST_BL_ST_08

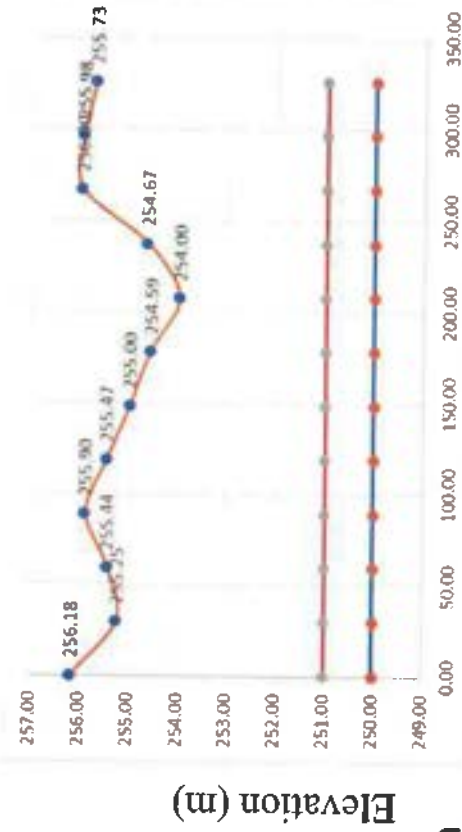


Pre Monsoon

Average Thickness: 4.11

Pre Thickness
4.93
4.03
4.12
4.62
4.19
3.86
3.37
2.86
3.49
4.75
4.66
4.49
4.11

Distance of the sand bar from river bank towards river (m)



Post Monsoon

Average Thickness: 4.35

Post Thickness
5.18
4.25
4.44
4.90
4.47
4.00
3.59
3.00
3.67
5.00
4.98
4.73
4.35

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)

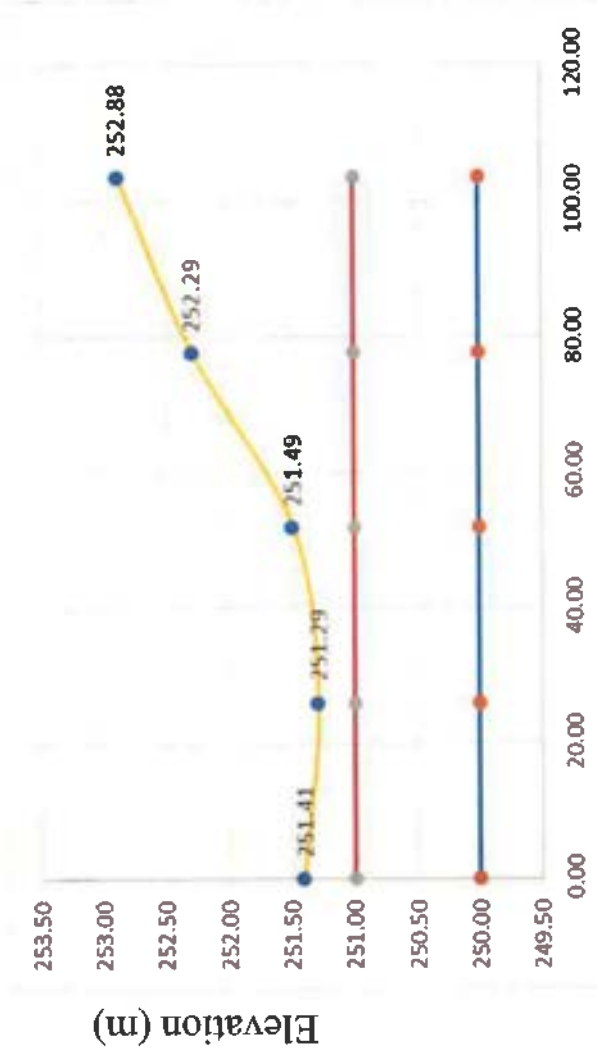


Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_BL_ST_07_POST

Pre-Thickness
 0.41
 0.29
 0.49
 1.29
 1.88
 0.87



Pre Monsoon

Average Thickness:0.87

Red Line
 Pre monsoon Elevation
 Thalweg line

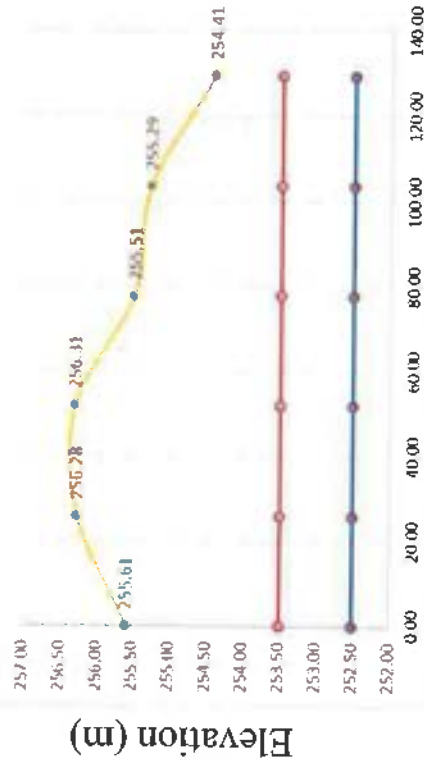


Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_BL_ST_06



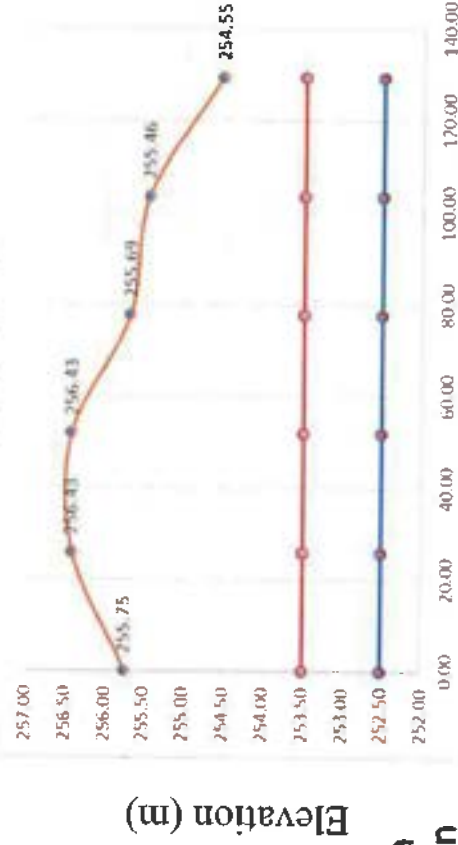
Pre Monsoon

Average Thickness:2.07

Pre Thickness
2.11
2.78
2.81
2.01
1.79
0.91
2.07

Distance of the sand bar from river bank towards river (m)

PO_BL_ST_06_07



Post Monsoon

Average Thickness:2.22

Post Thickness
2.25
2.93
2.93
2.19
1.96
1.05
2.22

Distance of the sand bar from river bank towards river (m)

Calculation

- Potential Area(Ha.): 9.44 Ha.
- Average Thickness: 2.22
- Bulk Density: 1.56
- $9.44 * 10000 * 2.22 * 1.56 = 326926.08$ Tonnes

- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)= 196155.648

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

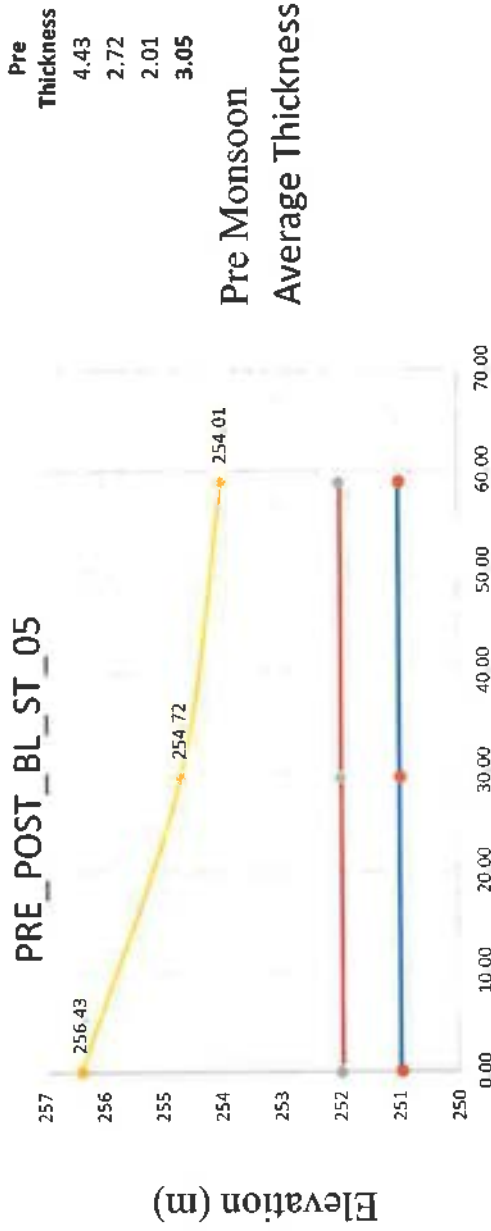


Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 1.19 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $1.19 * 10000 * 3 * 1.56 = 55692$ Tonnes
- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)=33415.2

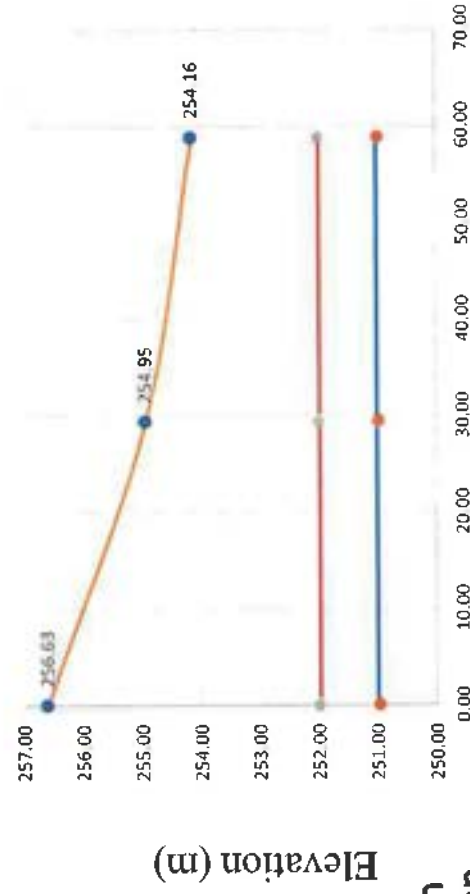
Cross Section Sand Bar



Pre Thickness
 4.43
 2.72
 2.01
3.05

Pre Monsoon
Average Thickness: 3.05

Distance of the sand bar from river bank towards river (m)



Post Thickness
 4.63
 2.95
 2.16
3.25

Post Monsoon
Average Thickness: 3.25

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

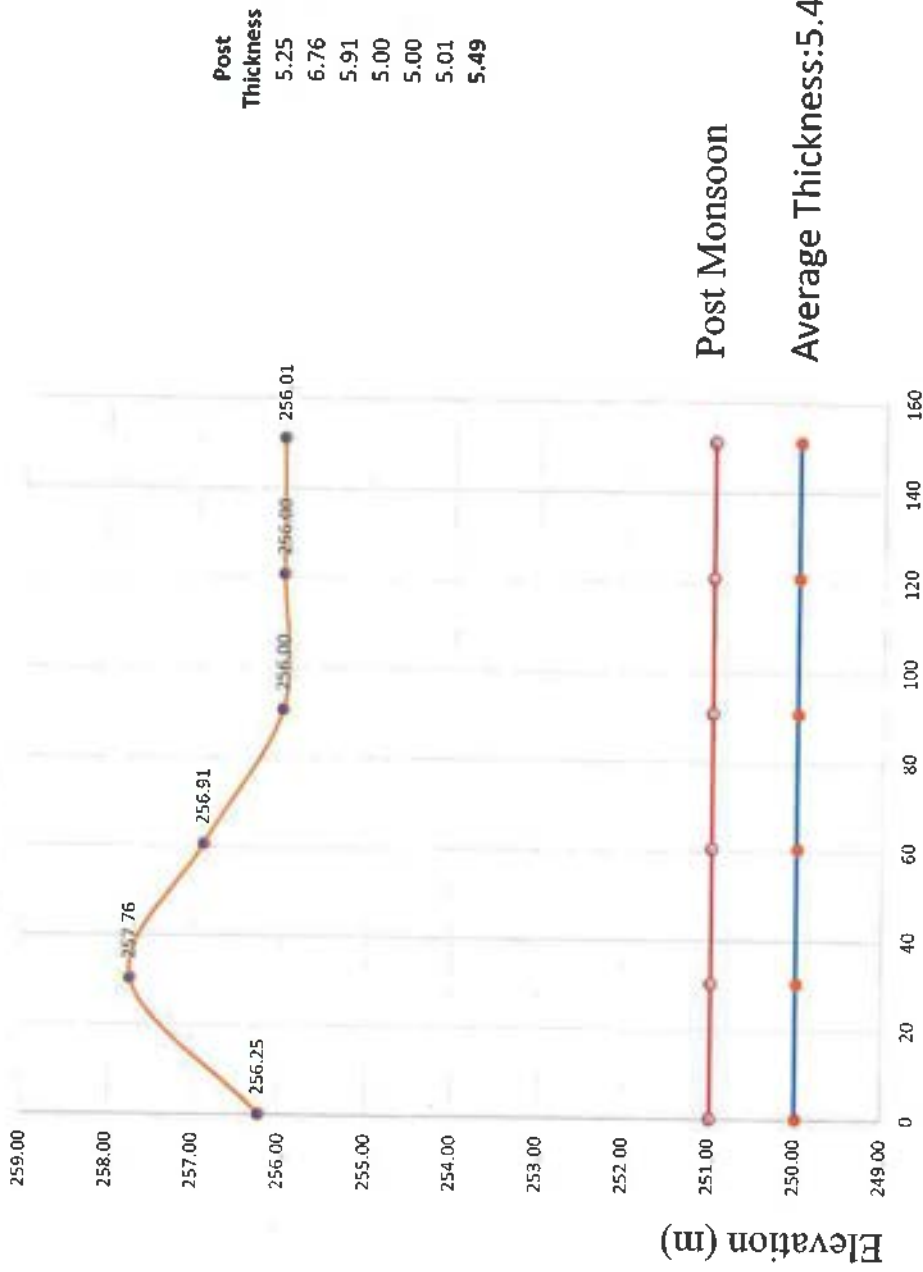
Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_BL_ST_4A



Calculation

- Potential Area(Ha.): 1.88 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $1.88 * 10000 * 3 * 1.51 = 87984$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM,
 $2020) = 6965.328$

- Post monsoon Elevation
- Thalweg line
- Red Line

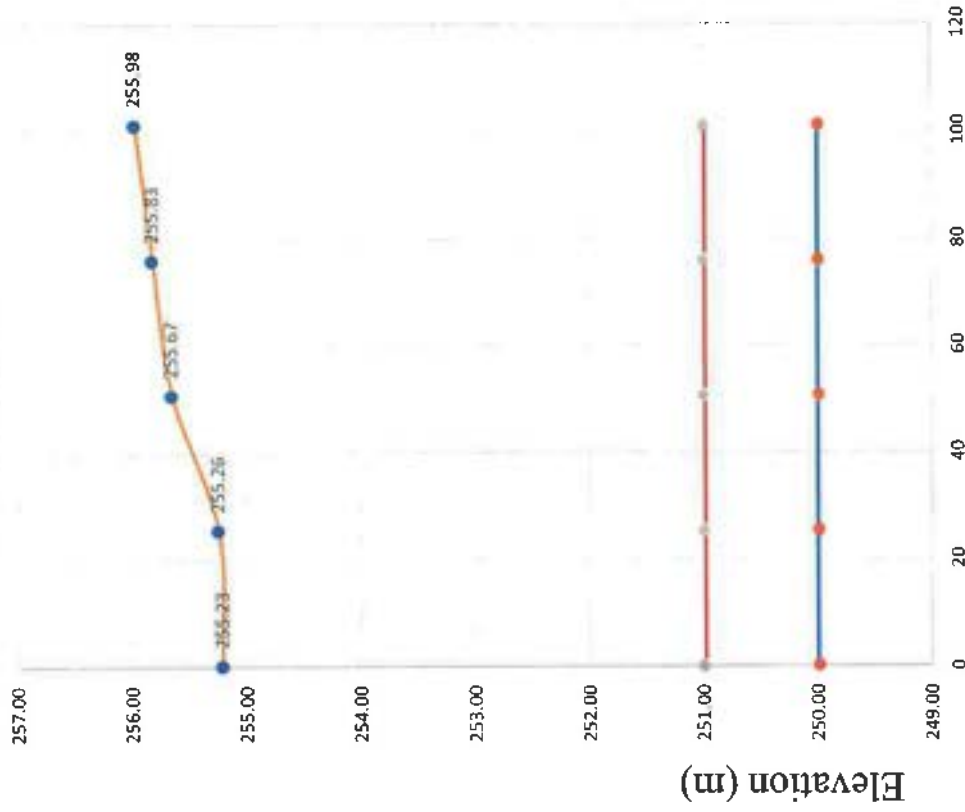


Distance of the sand bar from river bank towards river (m)

Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

POST_BL_ST_4B



Post Monsoon

Average Thickness:4.59

Calculation

- Potential Area(Ha.): 1.99 Ha.
 - Average Thickness: 3
 - Bulk Density: 1.56
 - $1.99 * 10000 * 3 * 1.56 = 93132$ Tonnes
 - Total excavation in Tonnes
- Considering 60% as per EMGSM, 2020)= 55879.2

- Red Line
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
Hi- Target DGPS (Model No. V30plus)

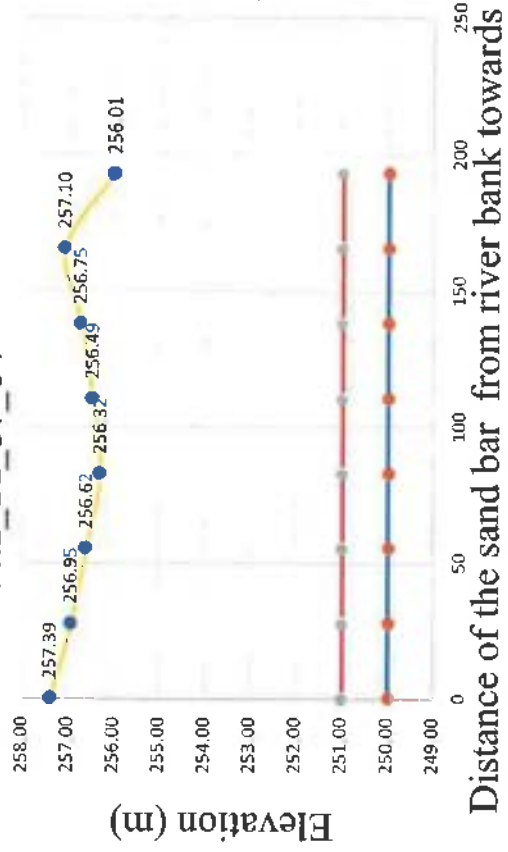
Calculation

- Potential Area(Ha.): 13.62 Ha.
 - Average Thickness:3
 - Bulk Density: 1.56
- $13.62 * 10000 * 3 * 1.56 = 637416$
Tonnes

- Total excavation in Tonnes Considering 60% as per EMGSM, 2020)= 382449.6

Cross Section Sand Bar

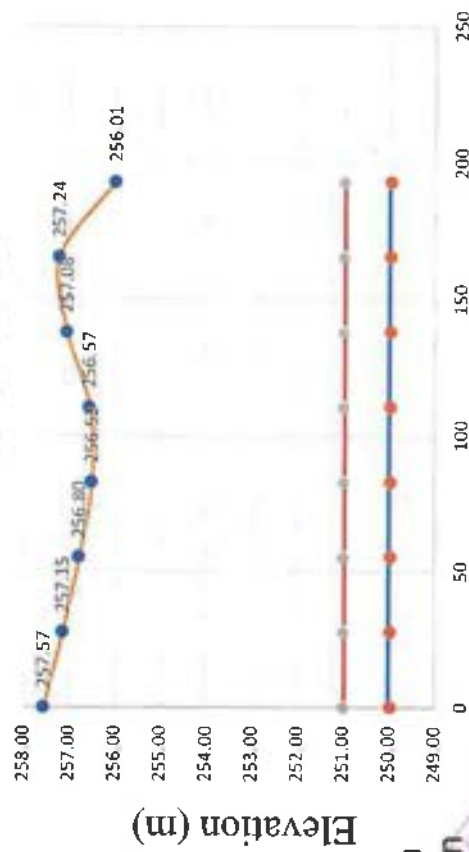
PRE_BL_ST_04



Pre Monsoon
Average Thickness:5.70

Pre-Thickness
6.39
5.95
5.62
5.32
5.49
5.75
6.10
5.01
5.70

PO_BL_ST_03_04



Post Monsoon
Average Thickness:5.87

Post Thickness
6.57
6.15
5.80
5.52
5.57
6.08
6.24
5.01
5.87

- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

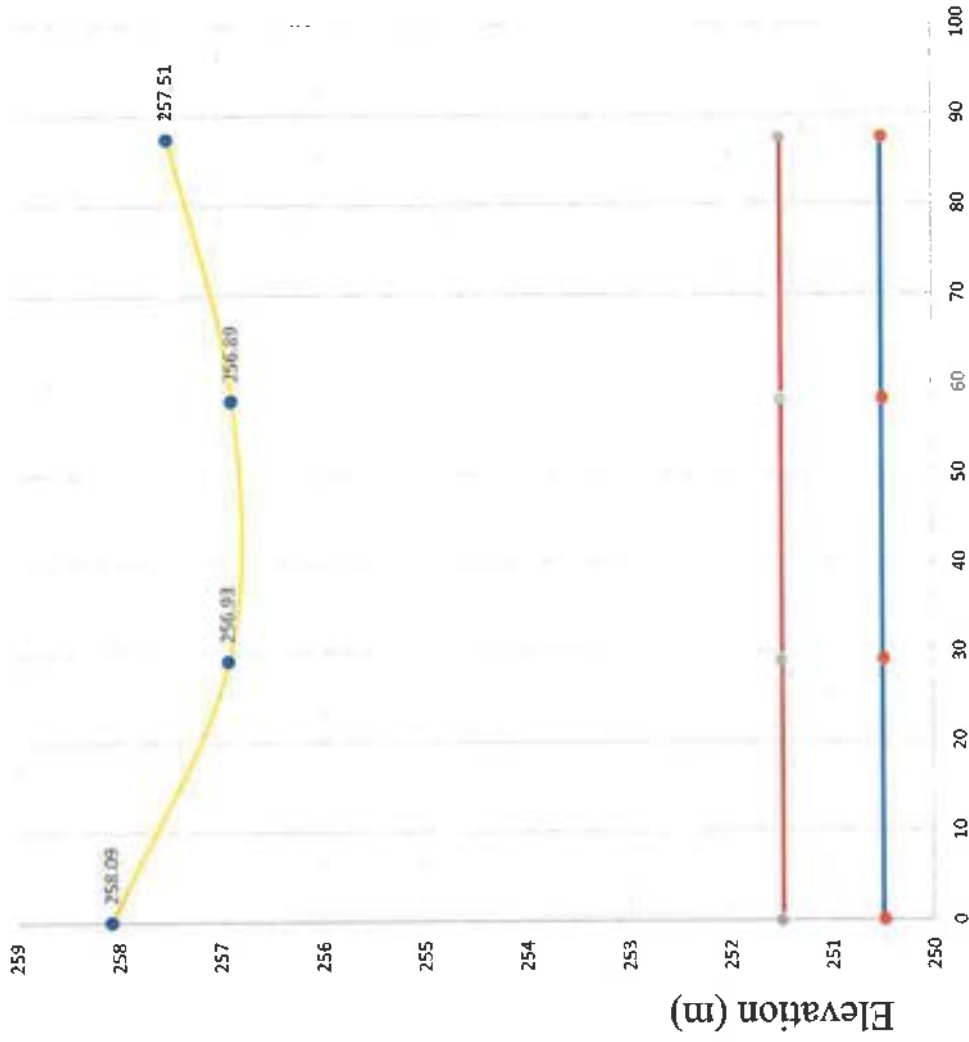
Distance of the sand bar from river bank towards river (m)



Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Cross Section Sand Bar

PRE_BL_ST_03



Pre Monsoon
 Average Thickness: 5.85

Pre Thickness
6.59
5.43
5.39
6.01
5.85

- Red Line
- Pre monsoon Elevation
- Thalweg line



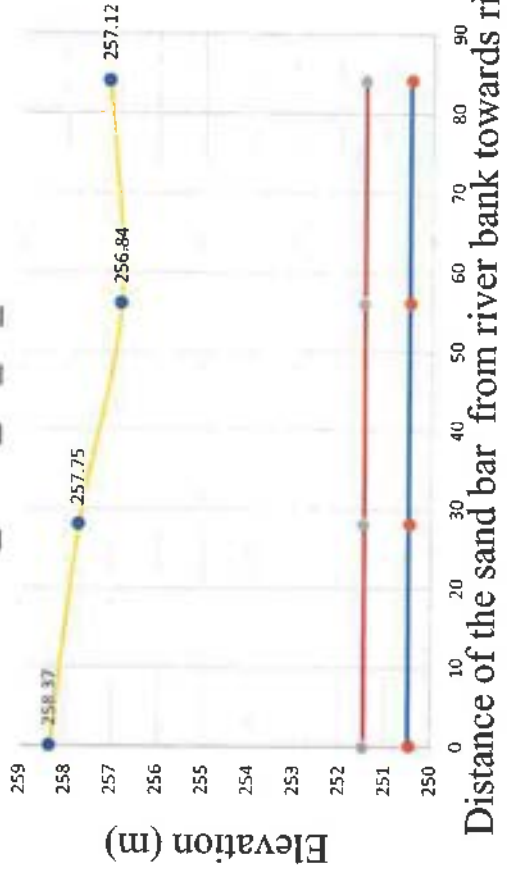
Source- Primary Data generated by DGPS
 Hi- Target DGPS (Model No. V30plus)

Calculation

- Potential Area(Ha.): 2.68 Ha.
- Average Thickness: 3
- Bulk Density: 1.56
- $2.68 * 10000 * 3 * 1.56 = 125424$ Tonnes
- Total excavation in Tonnes
 Considering 60% as per EMGSM, 2020)=75254.4

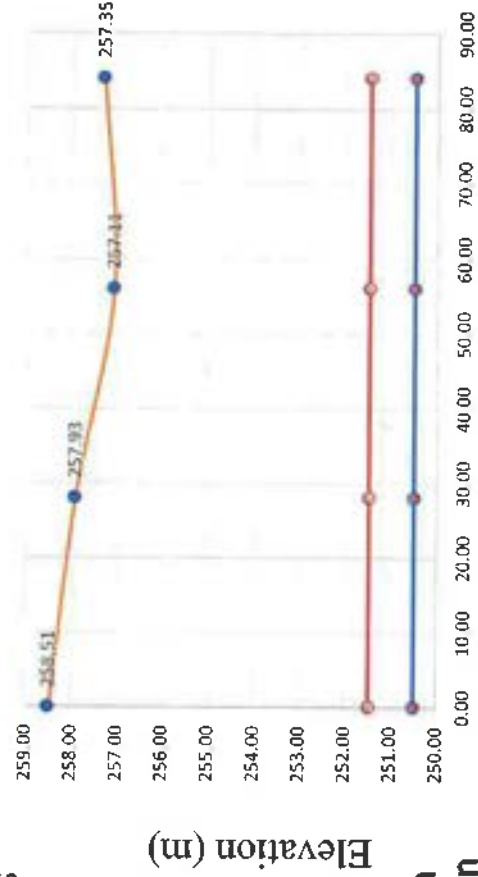
Cross Section Sand Bar

PRE_POST_BL_ST_01



Pre Monsoon
 Average Thickness:
 6.02

Pre Thickness
6.87
6.25
5.34
5.62
6.02



Post Monsoon
 Average Thickness:6.23

Post Thickness
7.01
6.43
5.61
5.85
6.23

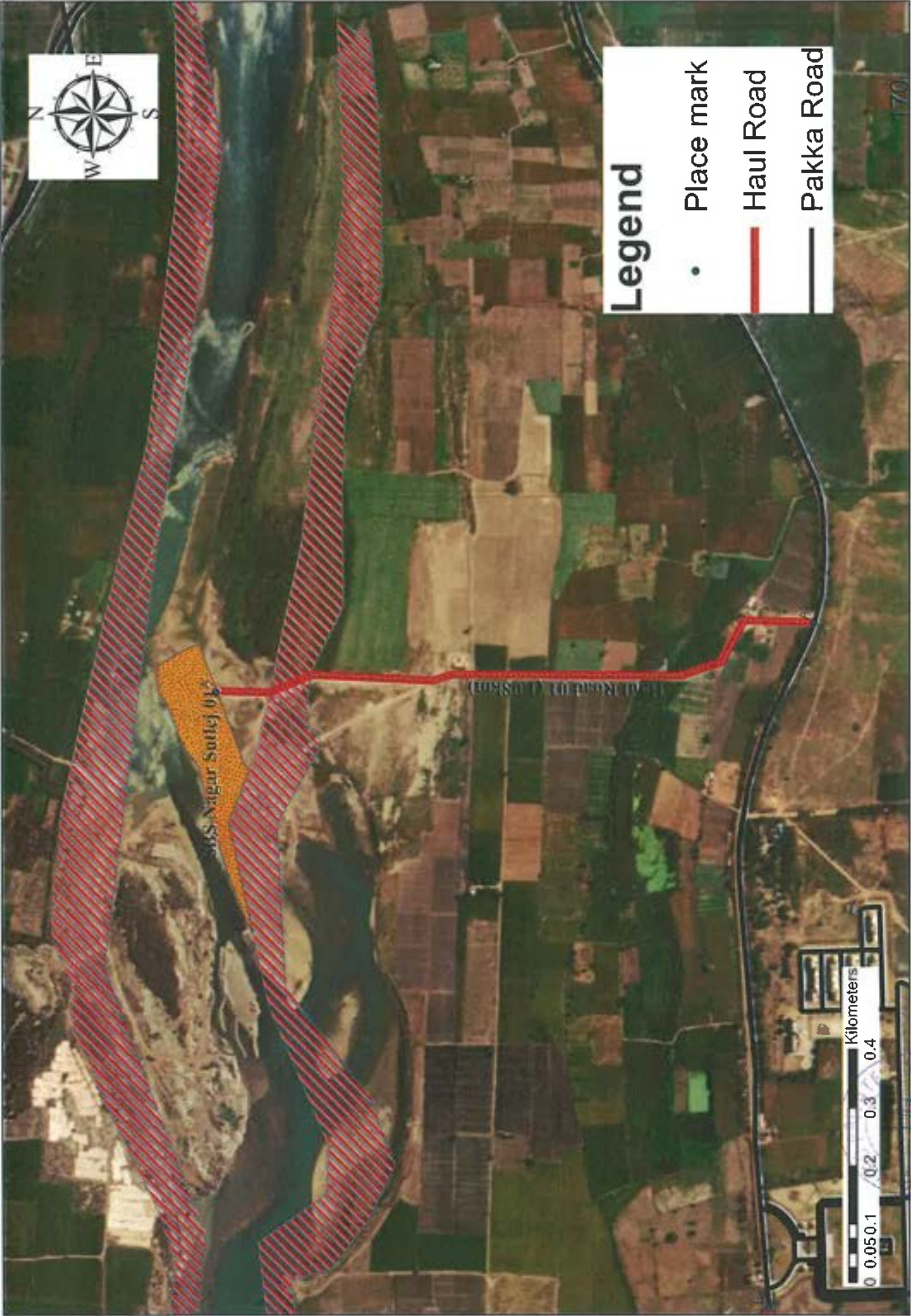
- Red Line
- Pre monsoon Elevation
- Post monsoon Elevation
- Thalweg line

Distance of the sand bar from river bank towards river (m)



Plate IV
Route Map (Riverbed & Agricultural Sites)

(Riverbed Sites)



SS Nagar Suttej 03

Legend

- Place mark
- Haul Road
- Pakka Road

0 0.05 0.1 0.2 0.3 0.4
Kilometers





Legend

- Place mark
- Haul Road
- Pakka Road

B' SBS Nagar-Sudlej 02

A SBS Nagar-Sudlej 04

Haul Road 01 (1.08km)

Haul Road 02 (2.5 km)





Haul Road 03 (892m)

SBS Nagar Sutlej 05

SBS Nagar Sutlej 04

Legend

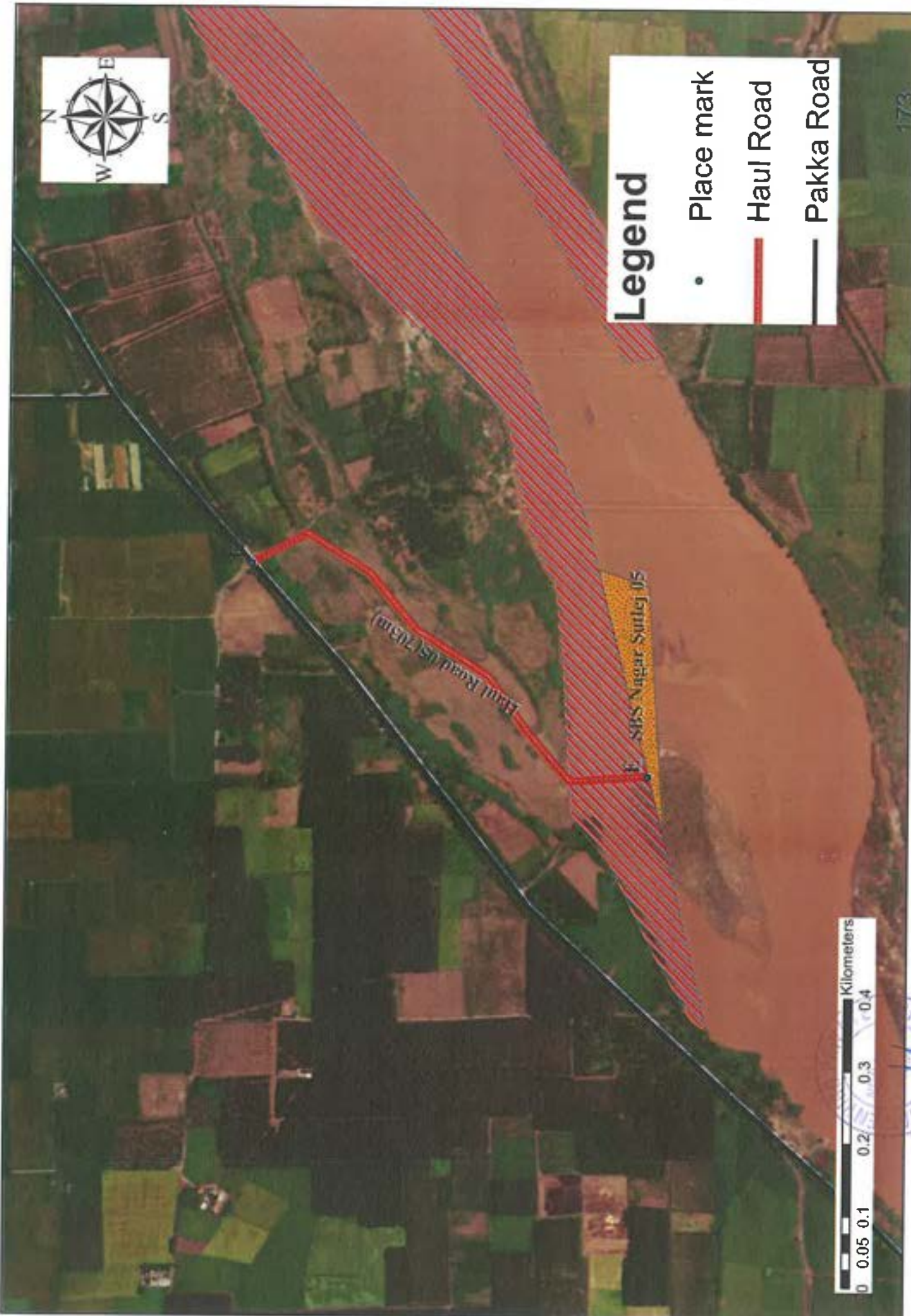
- Place mark
- Haul Road
- Pakka Road





Legend

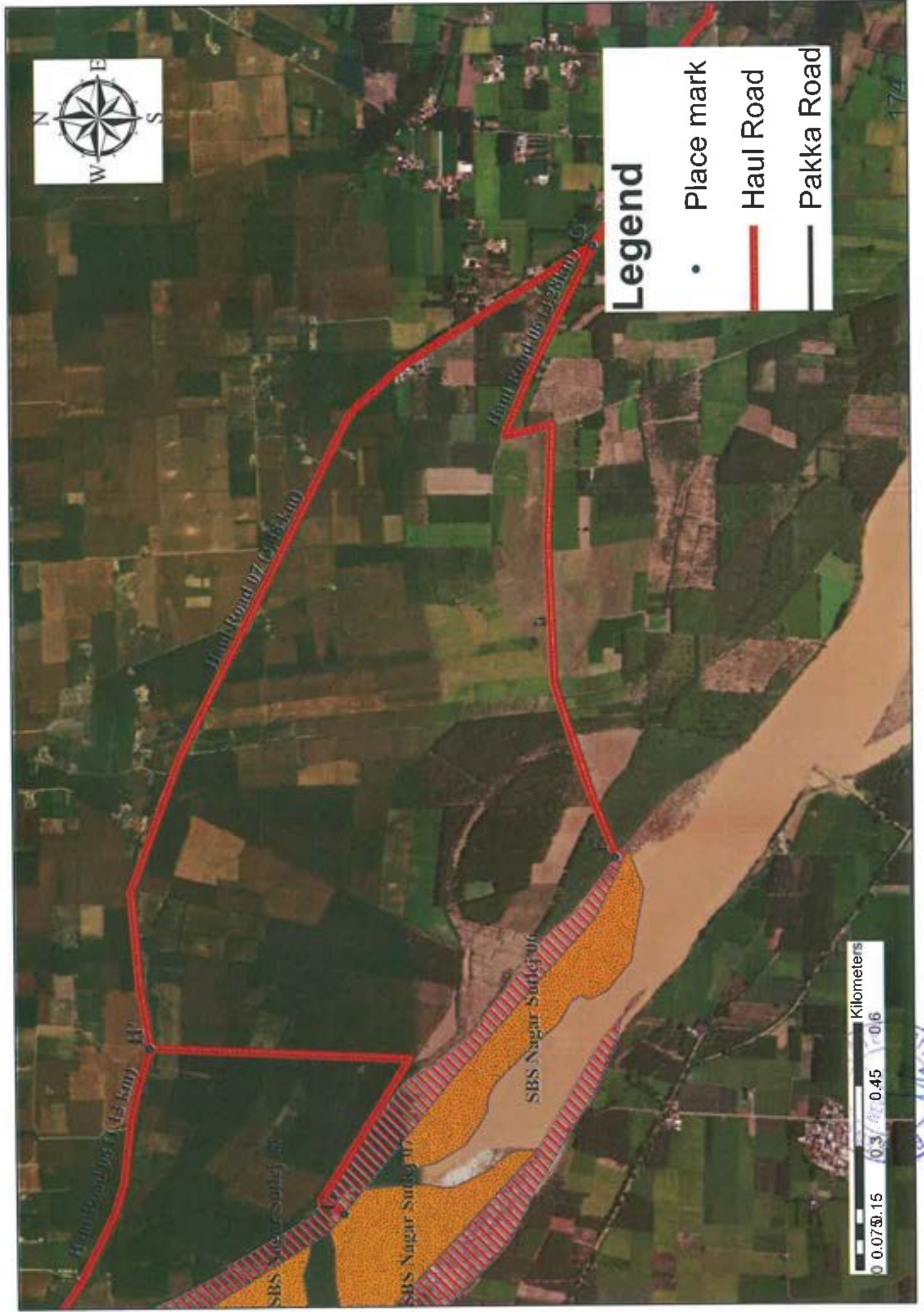
- Place mark
- Haul Road
- Pakka Road





Legend

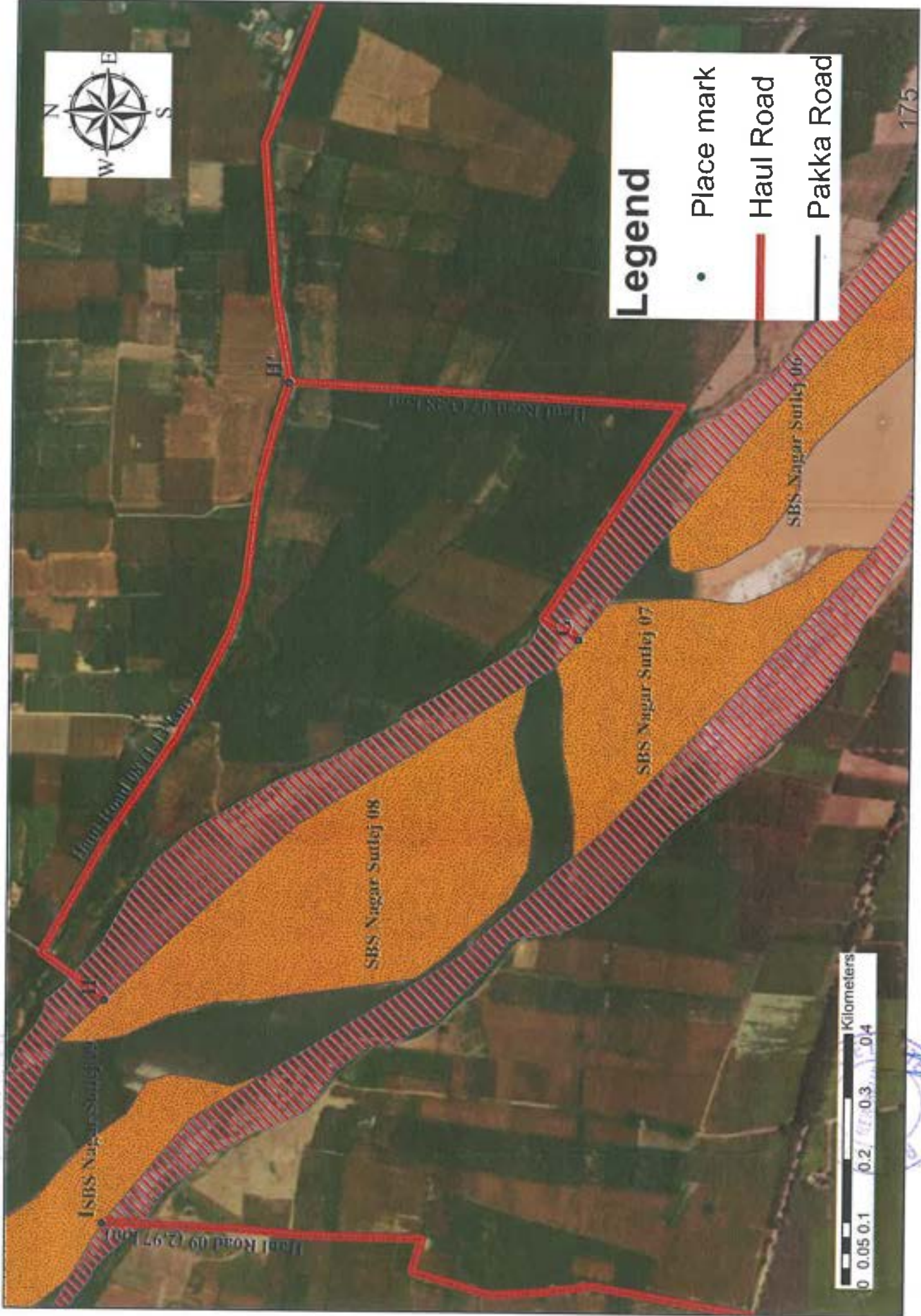
- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road

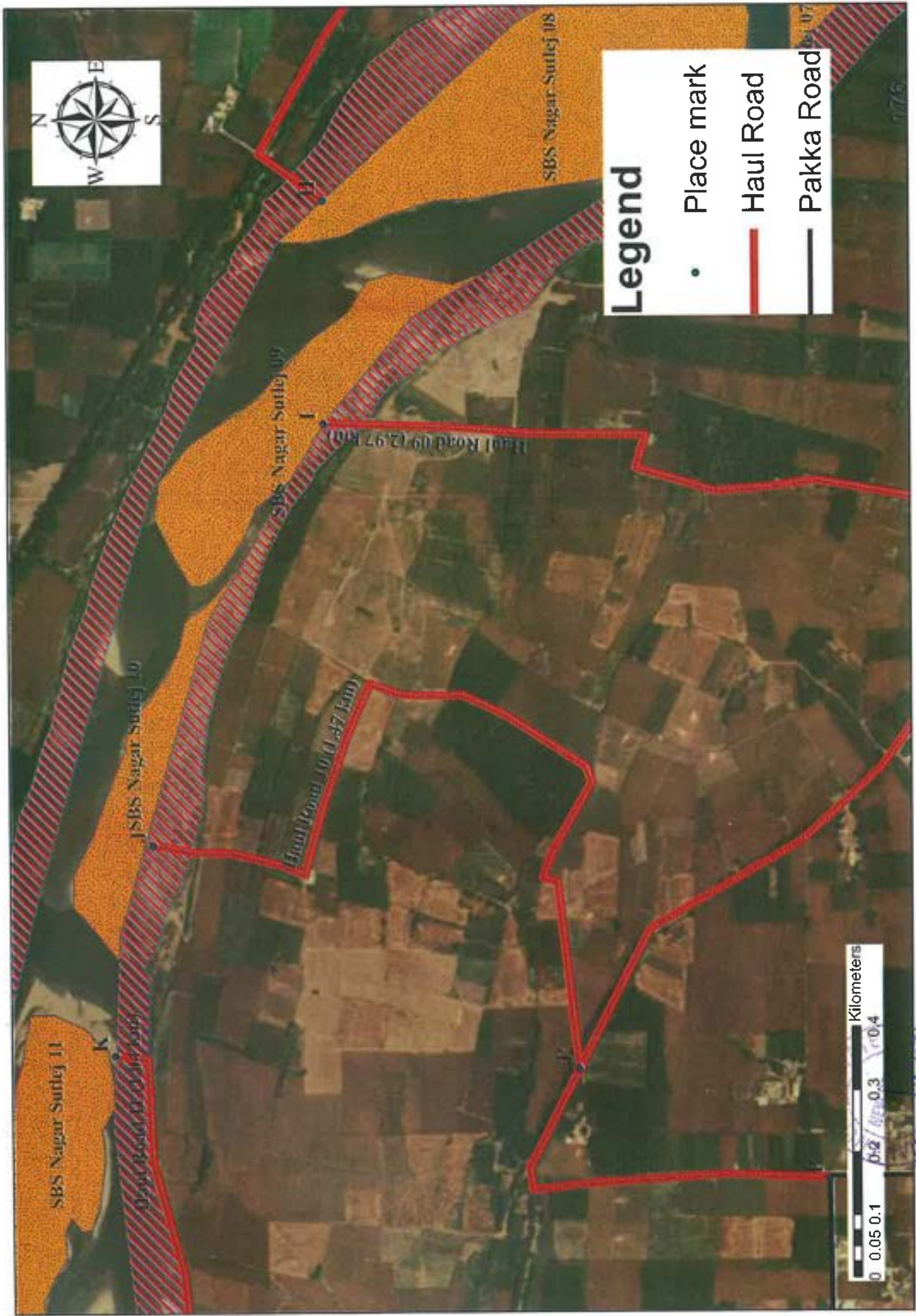


[Handwritten signature]



Legend

- Place mark
- Haul Road
- Pakka Road





SBS Nagar Sutlej II

K

Grand Road (1000m)

JSBS Nagar Sutlej II

SBS Nagar Sutlej 09

Legend

- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road

Haul Road 13 (832m)

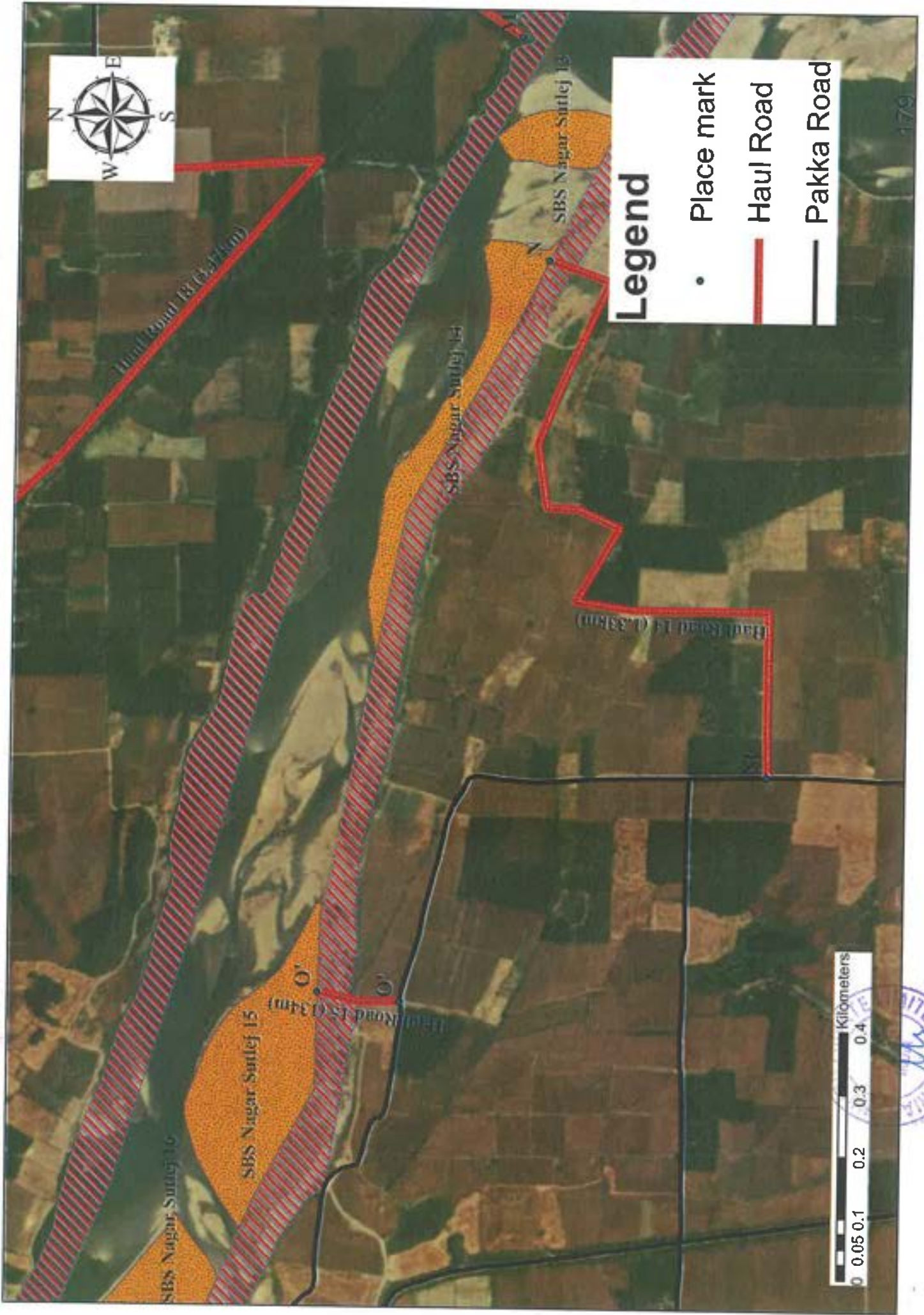
Haul Road 18 (847km)

SBS Nagar Sutlej 15

SBS Nagar Sutlej 16

SBS Nagar Sutlej 12
SBS Nagar Sutlej 12





Legend

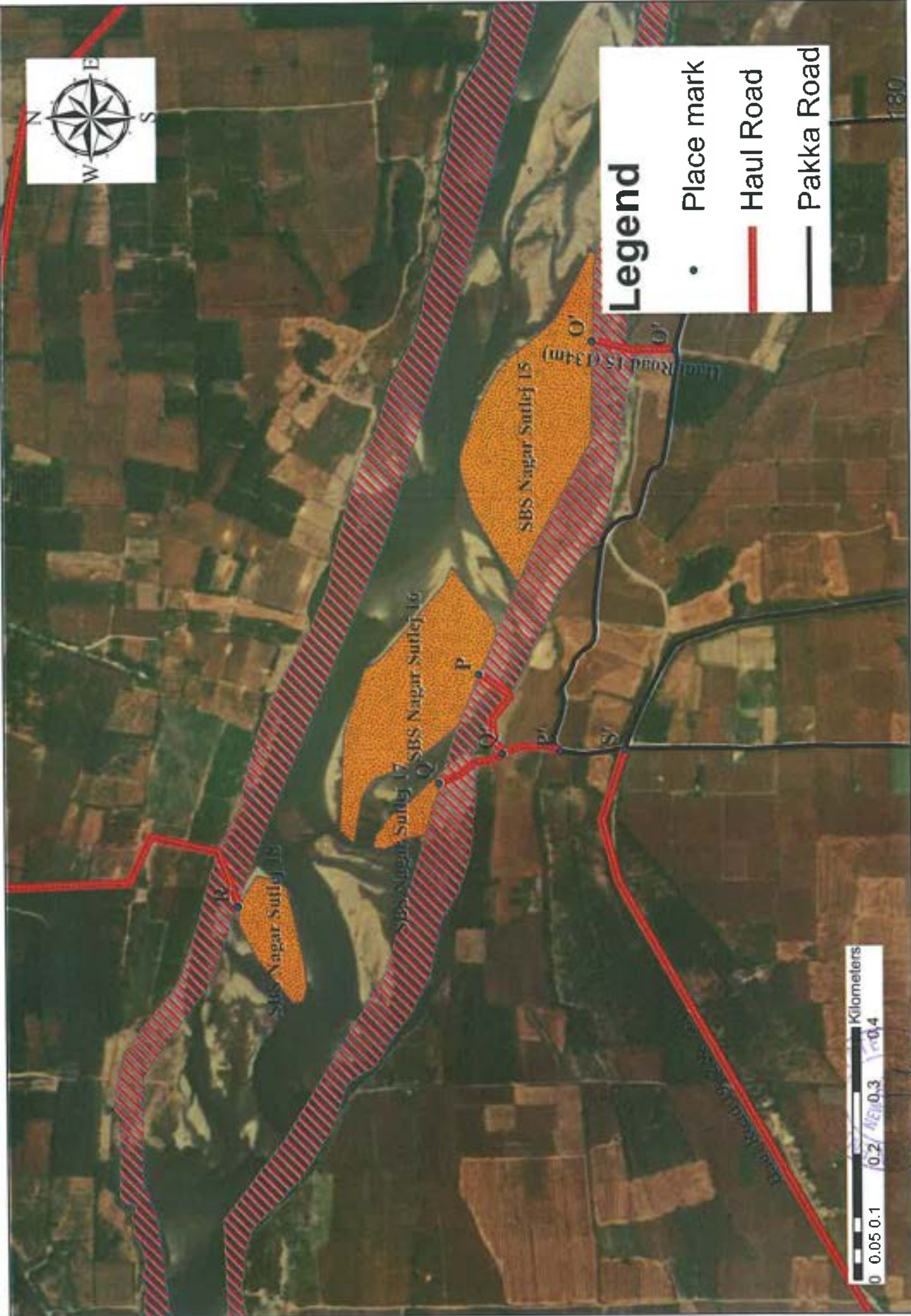
- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road





Haul Road 16 (5.47km)

Legend

- Place mark
- Haul Road
- Pakka Road

Nagar Sutlej 18

SBS Nagar Sutlej 16

SBS



181



Legend

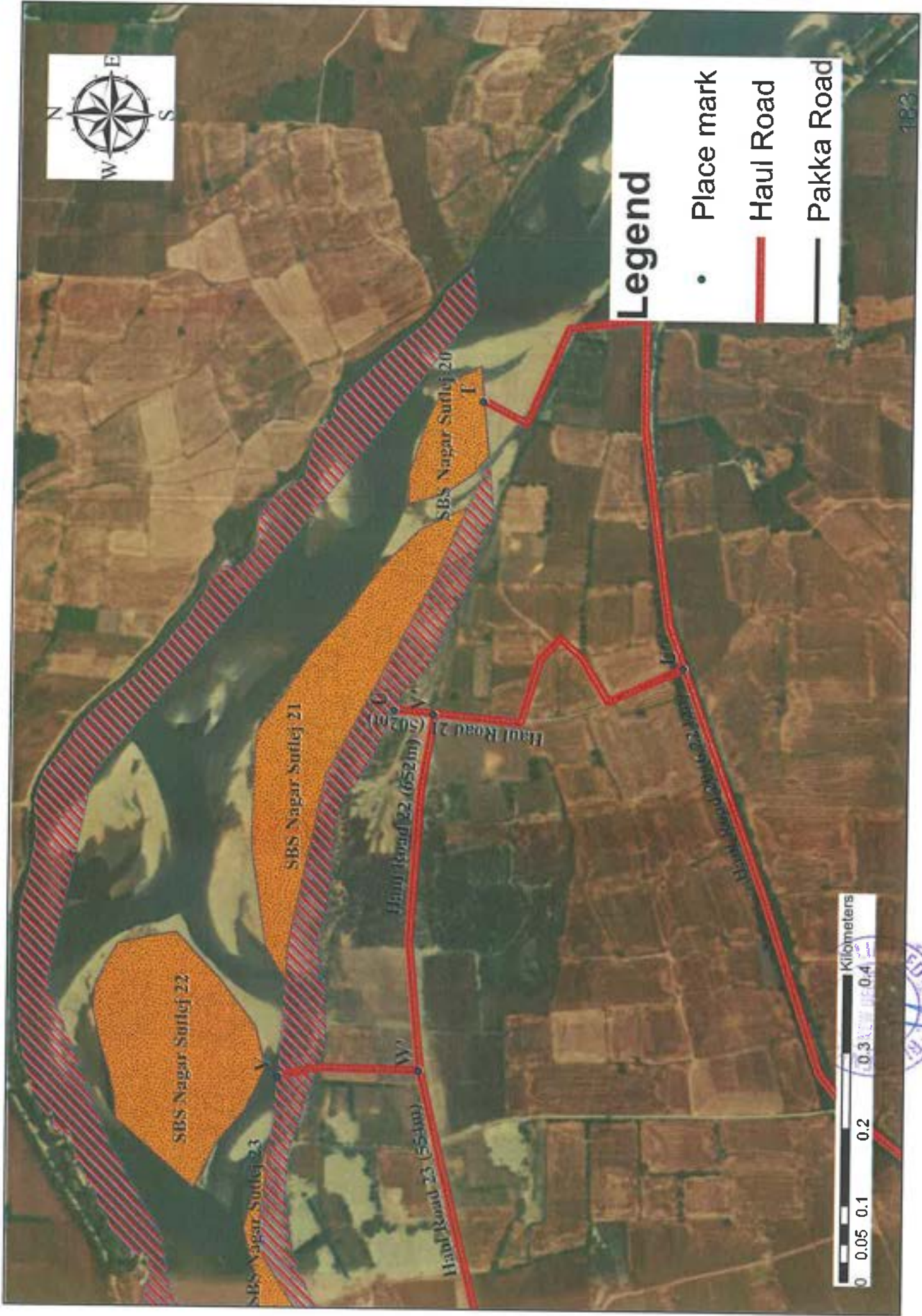
- Place mark
- Haul Road
- Pakka Road

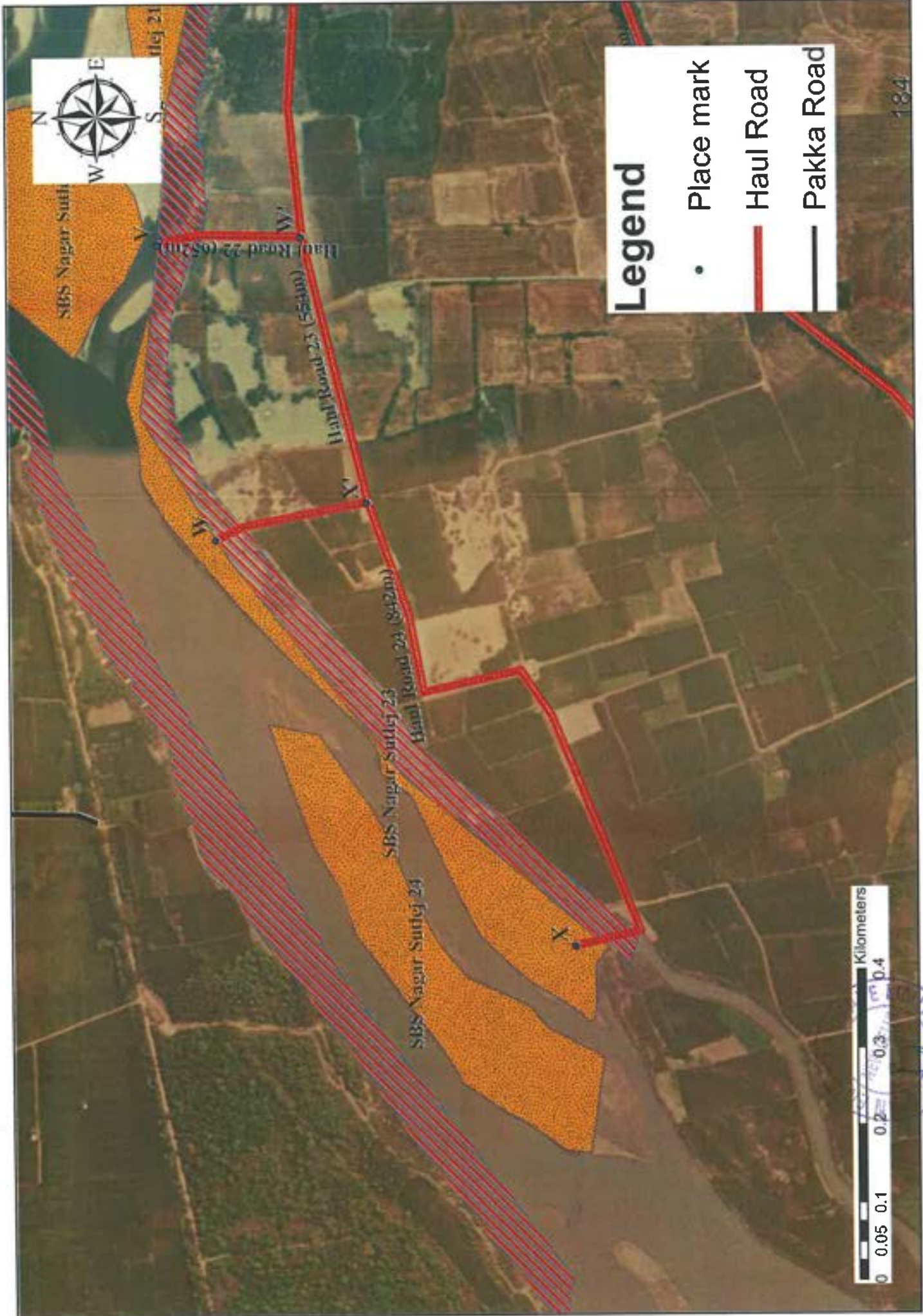




Legend

- Place mark
- Haul Road
- Pakka Road





Legend

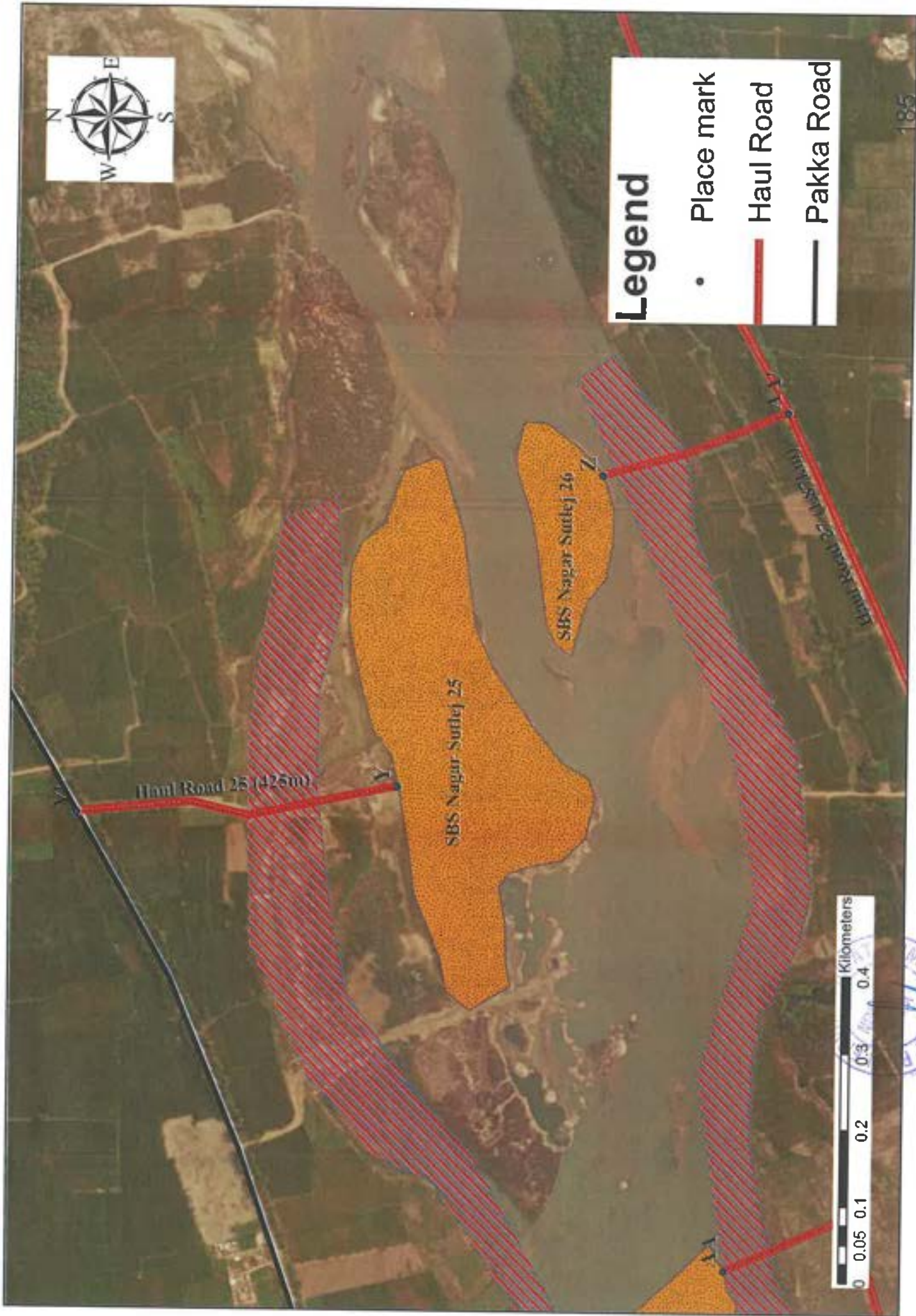
- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road

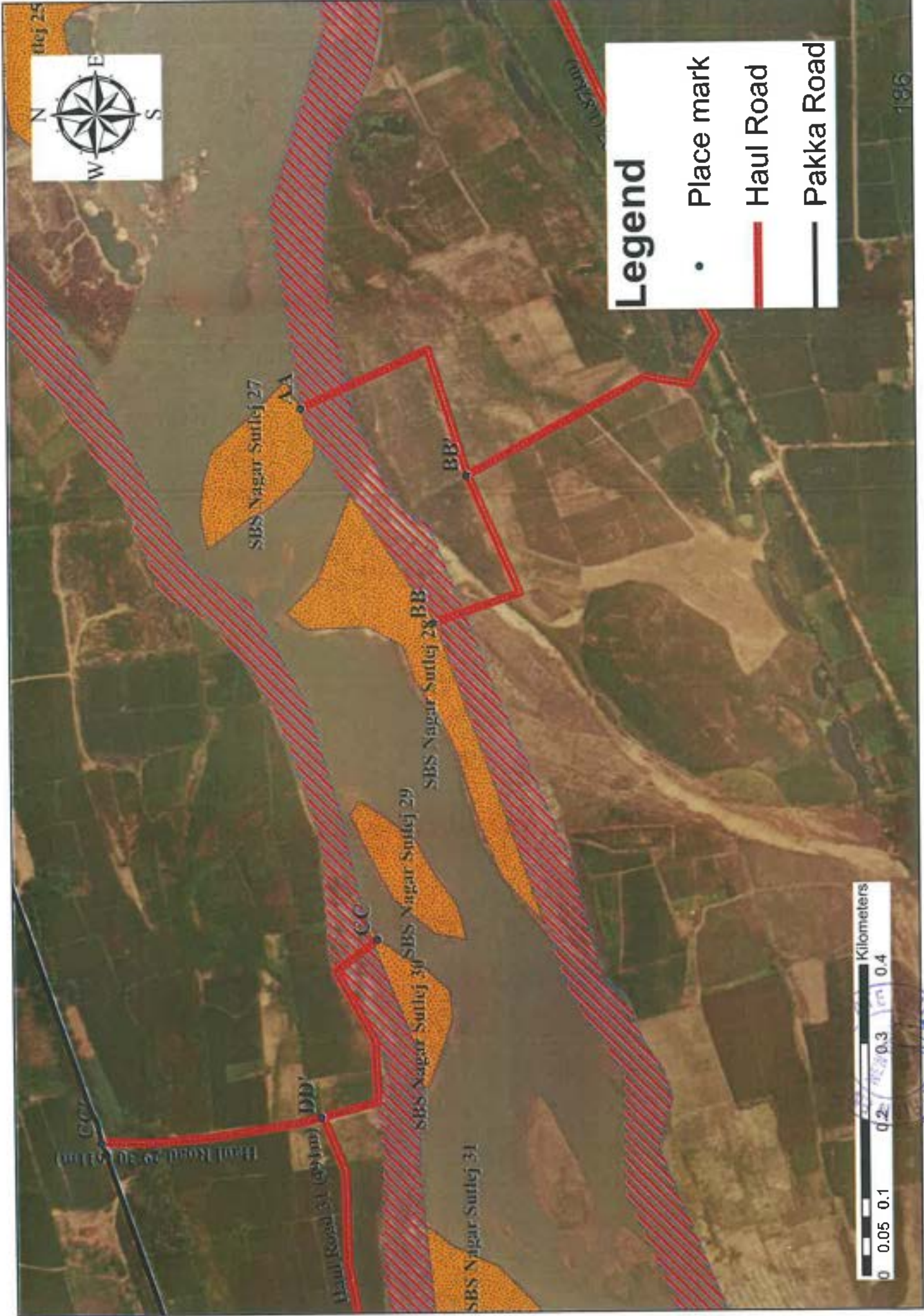


Haul Road 25 (1225m)

SBS Nagar Suttlej 25

SBS Nagar Suttlej 26





Legend

- Place mark
- Haul Road
- Pakka Road

SBS Nagar Suttlej 27
AA

BB

SBS Nagar Suttlej 28
BB

SBS Nagar Suttlej 29
CC

DD

SBS Nagar Suttlej 31

Haul Road 29-30 (3.1km)

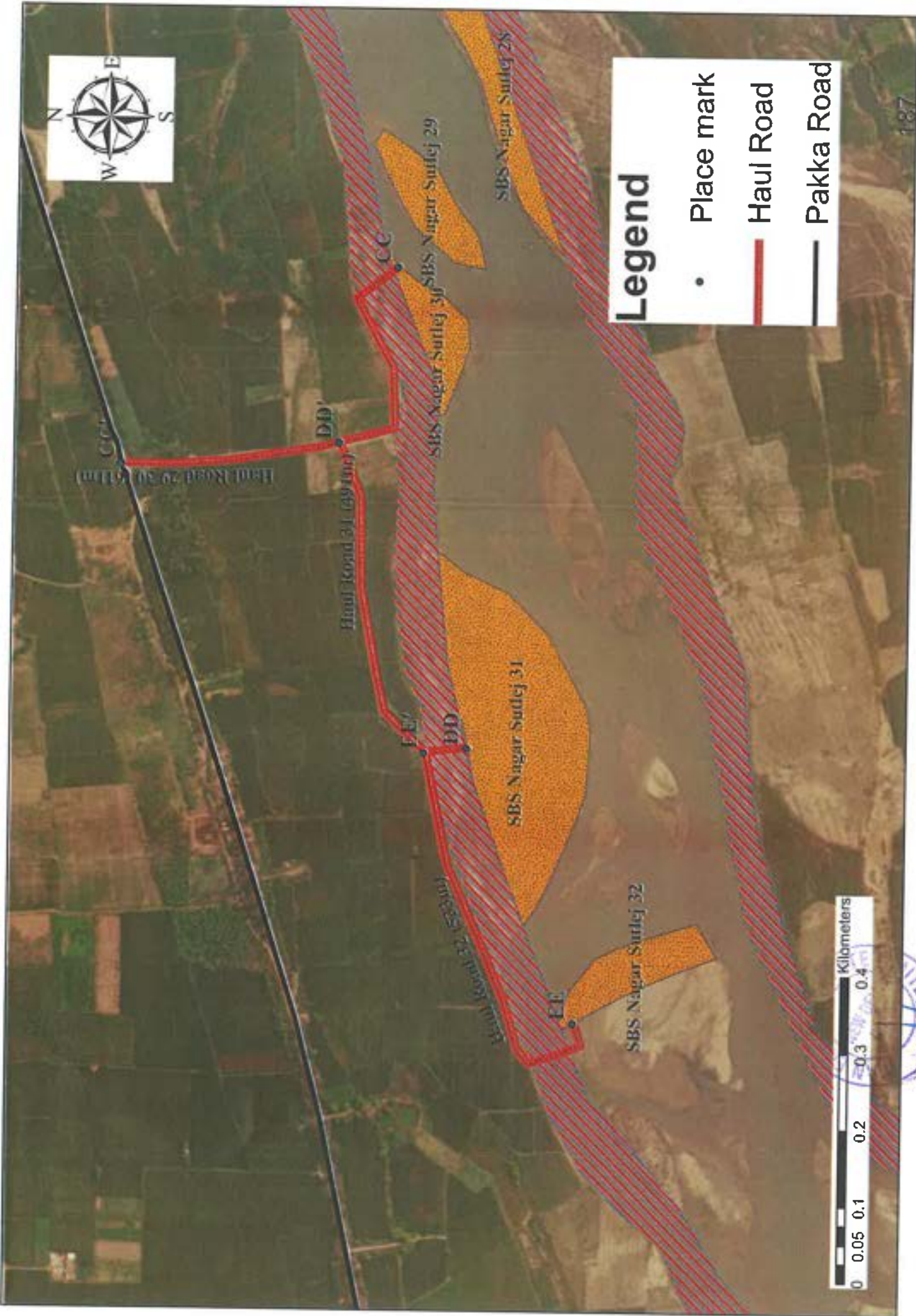
Haul Road 31 (0.4km)





Legend

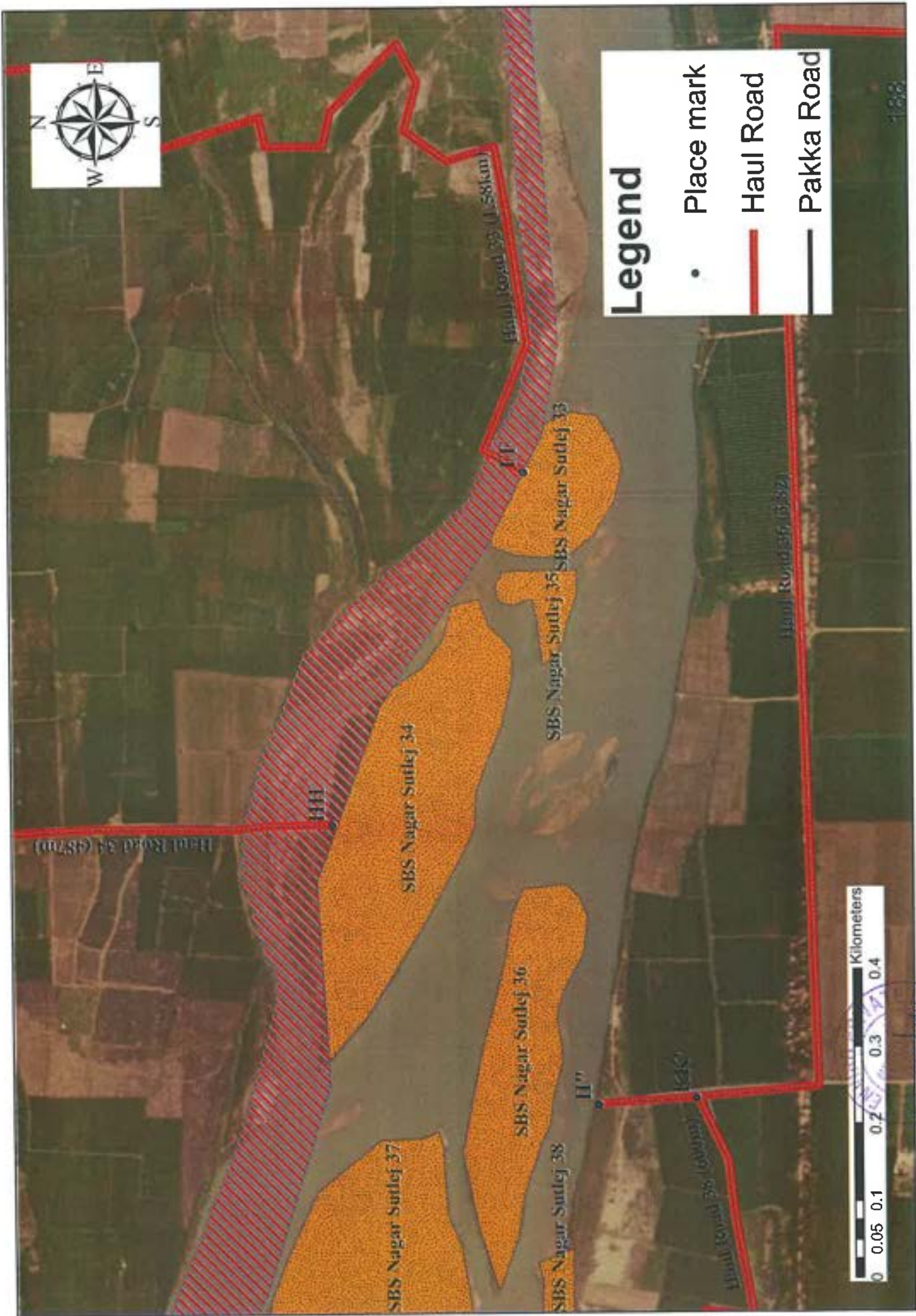
- Place mark
- Haul Road
- Pakka Road





Legend

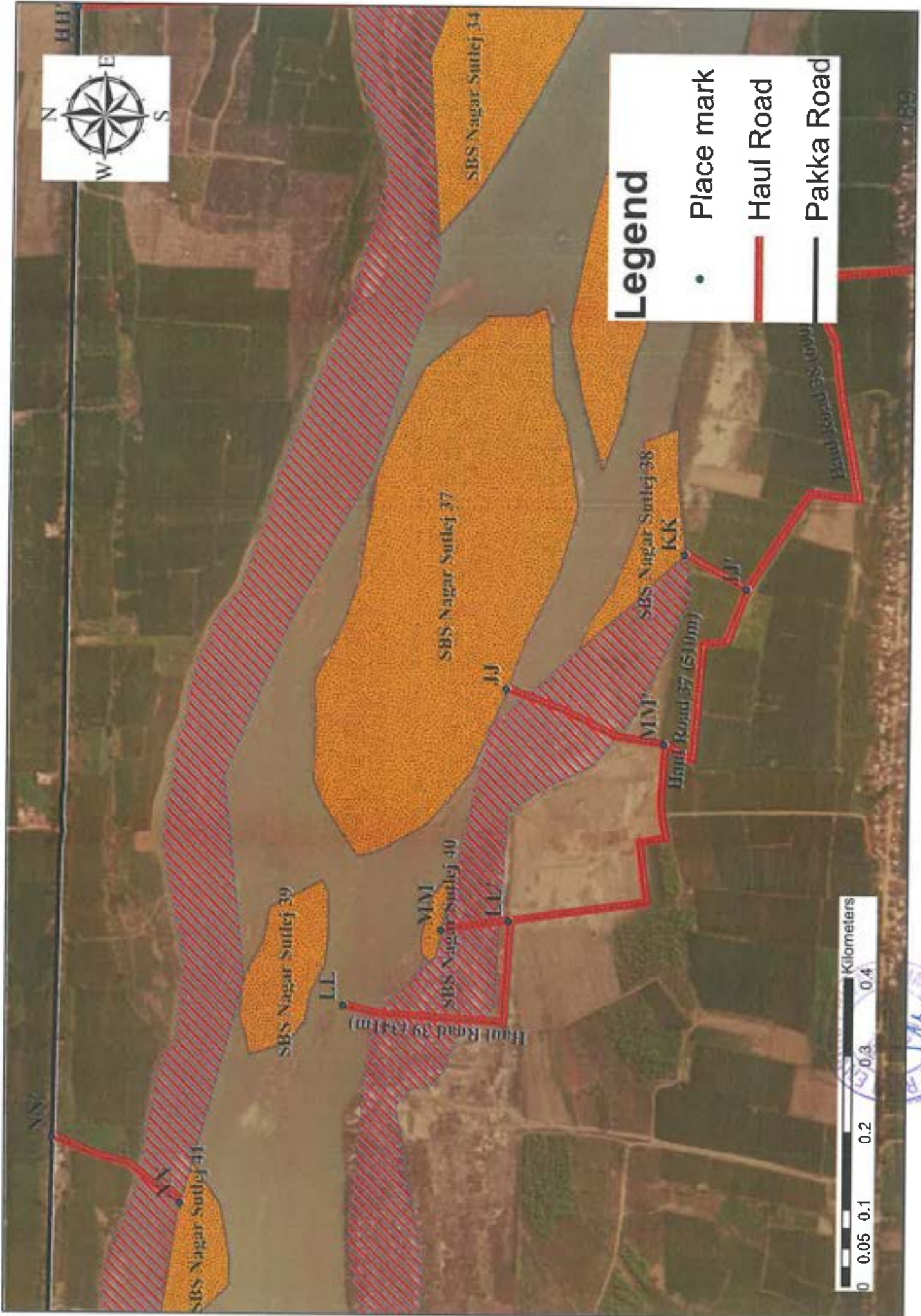
- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road





SBS Nagar Suttej 41

SBS Nagar Suttej 39

SBS Nagar Suttej 43

SBS Nagar Suttej 42

SBS Nagar Suttej 44

SBS Nagar Suttej 45

Haul Road 43 (281m)

Haul Road 42 (3.27km)

Haul Road 39 (3.41km)

Legend

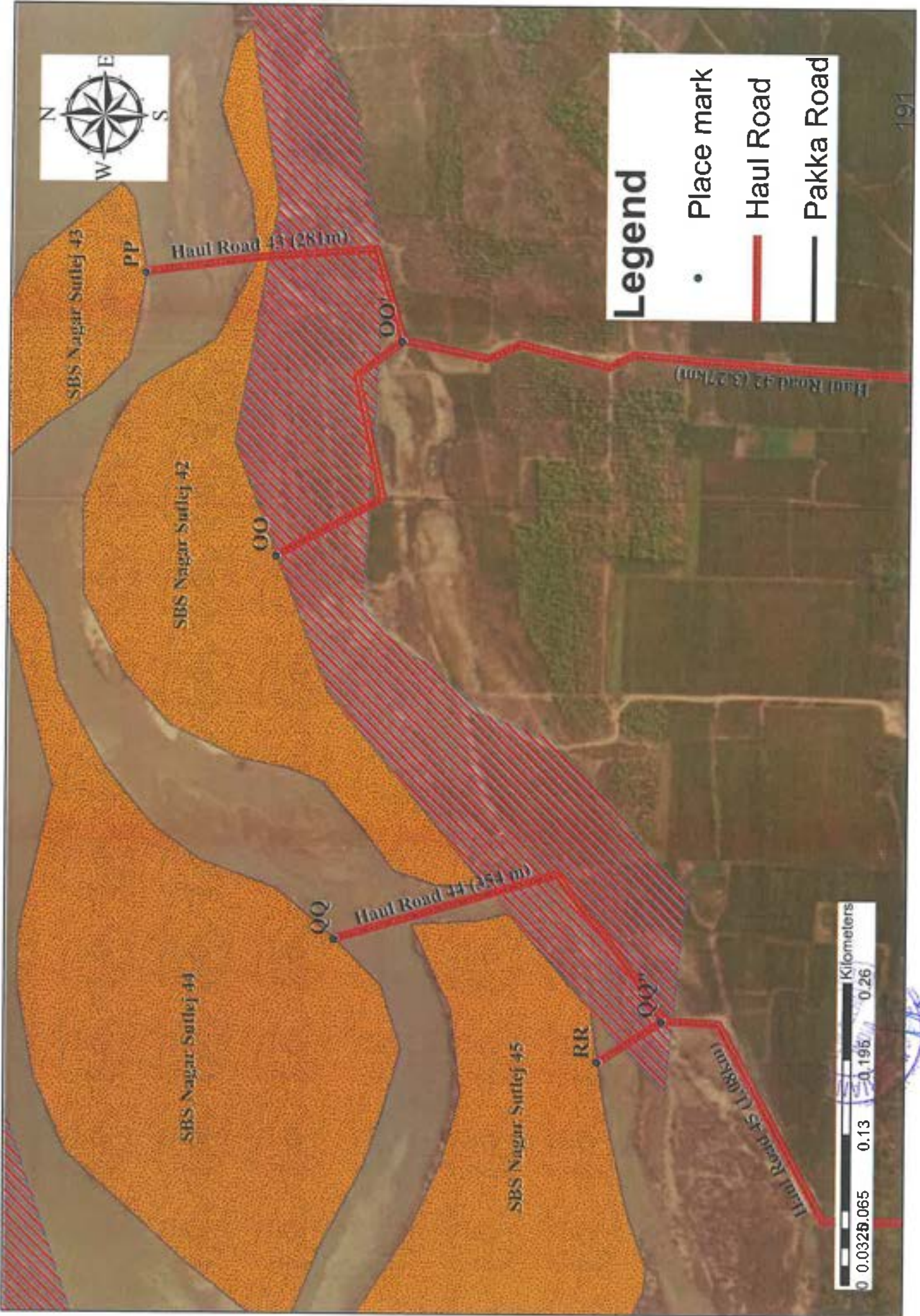
- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road



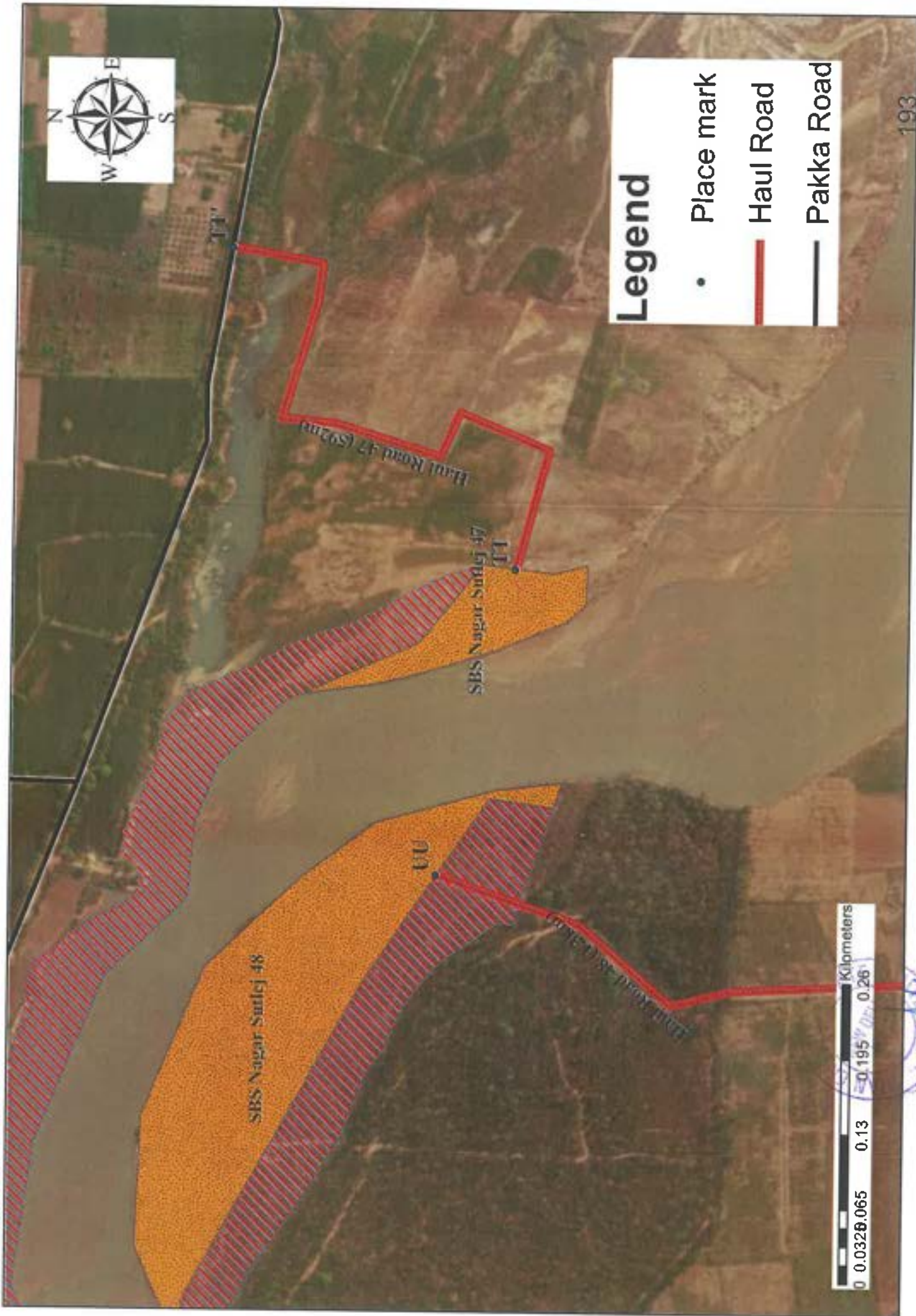
Haul Road 46 (530m)

SBS Nagar Suttlej 46

SBS Nagar Suttlej 45

192



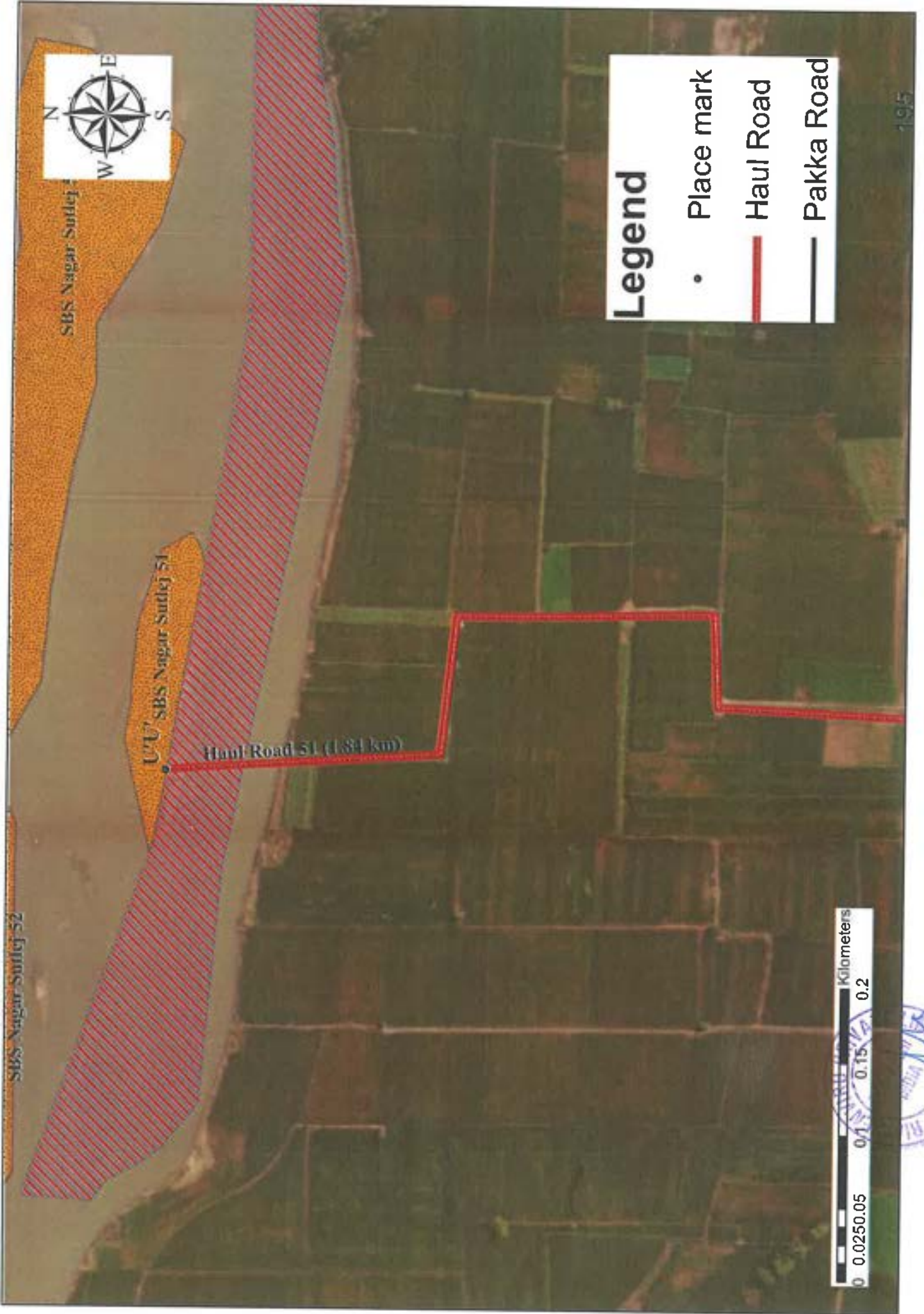


Legend

- Place mark
- Haul Road
- Pakka Road







SBS Nagar Sutlej

UU' SBS Nagar Sutlej 51

Haul Road 51 (1.84 km)

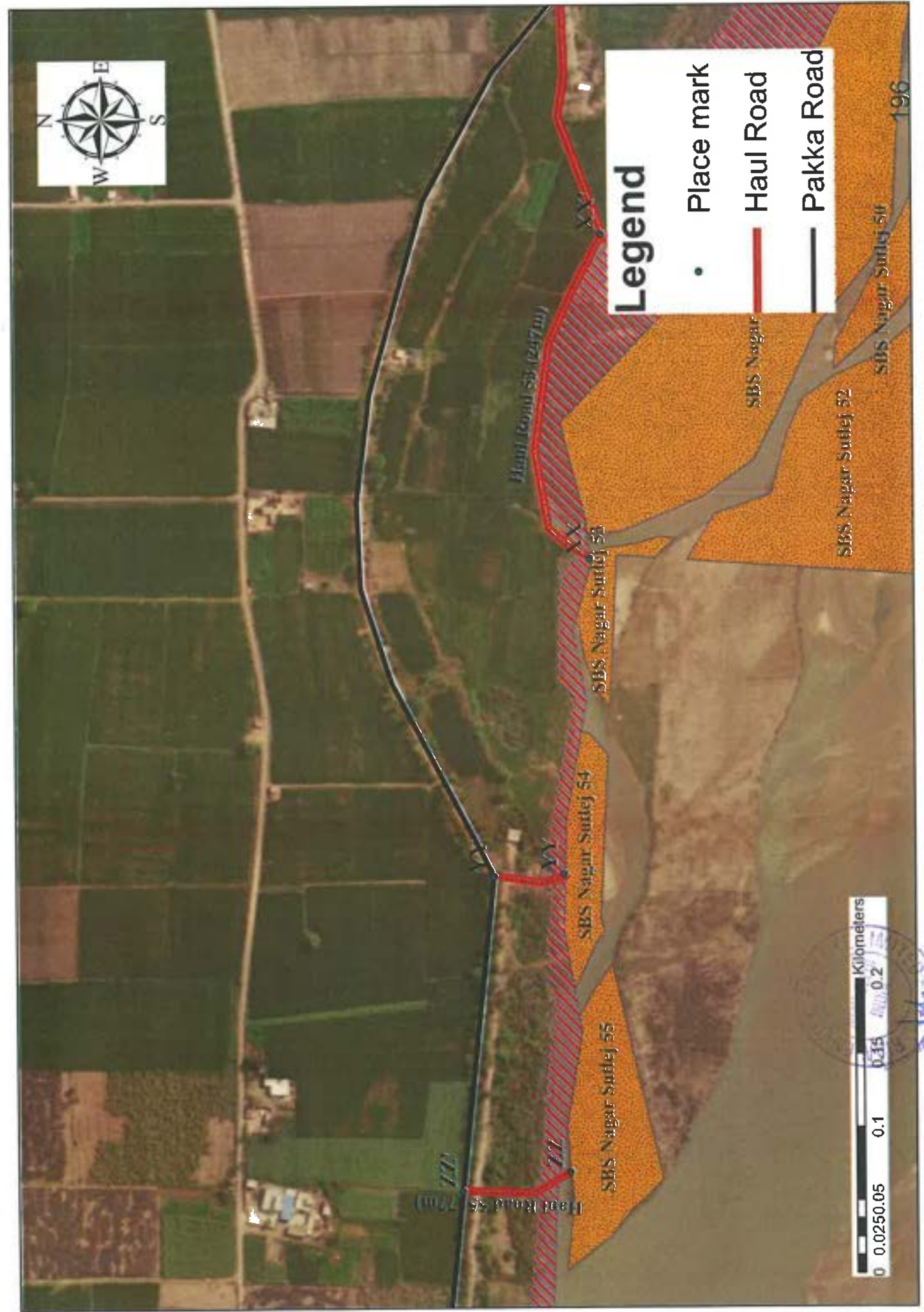
Legend

• Place mark

— Haul Road

— Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road



Haul Road SB (247m)

Haul Road SS (70m)

SBS Nagar Sutlej 53

SBS Nagar Sutlej 54

SBS Nagar Sutlej 55

SBS Nagar Sutlej 52

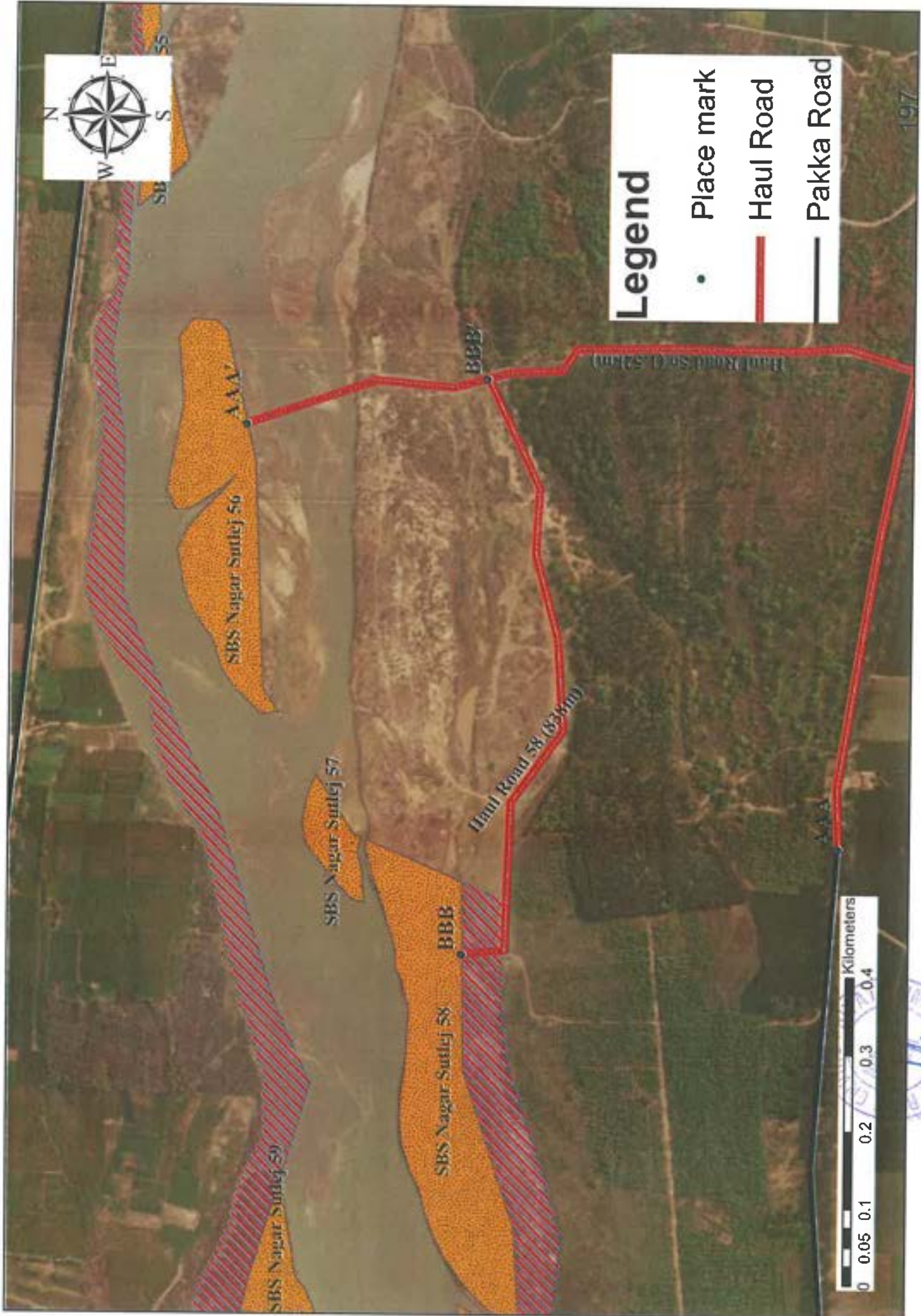
SBS Nagar Sutlej 51

196



Legend

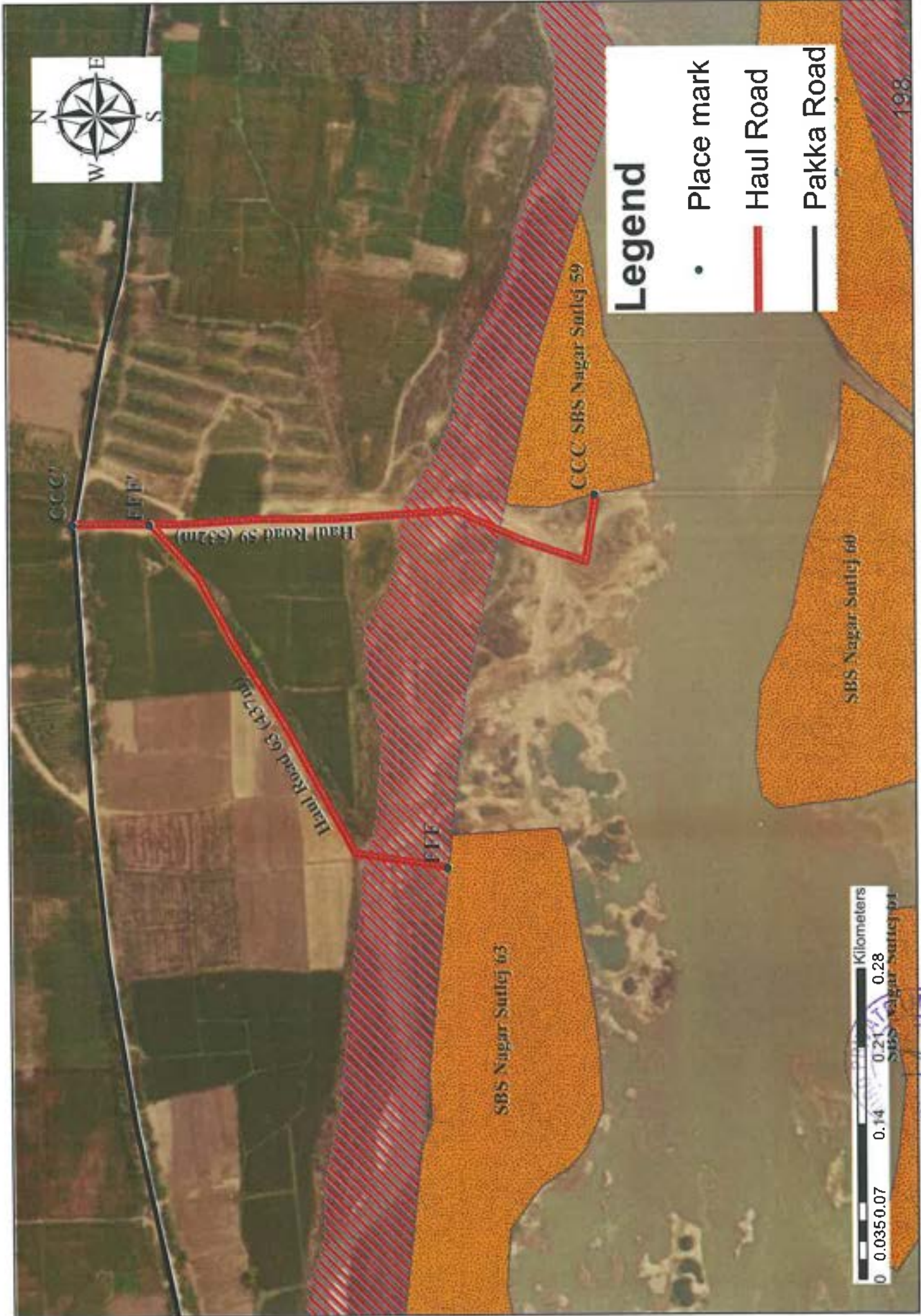
- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road



Haul Road 59 (832m)

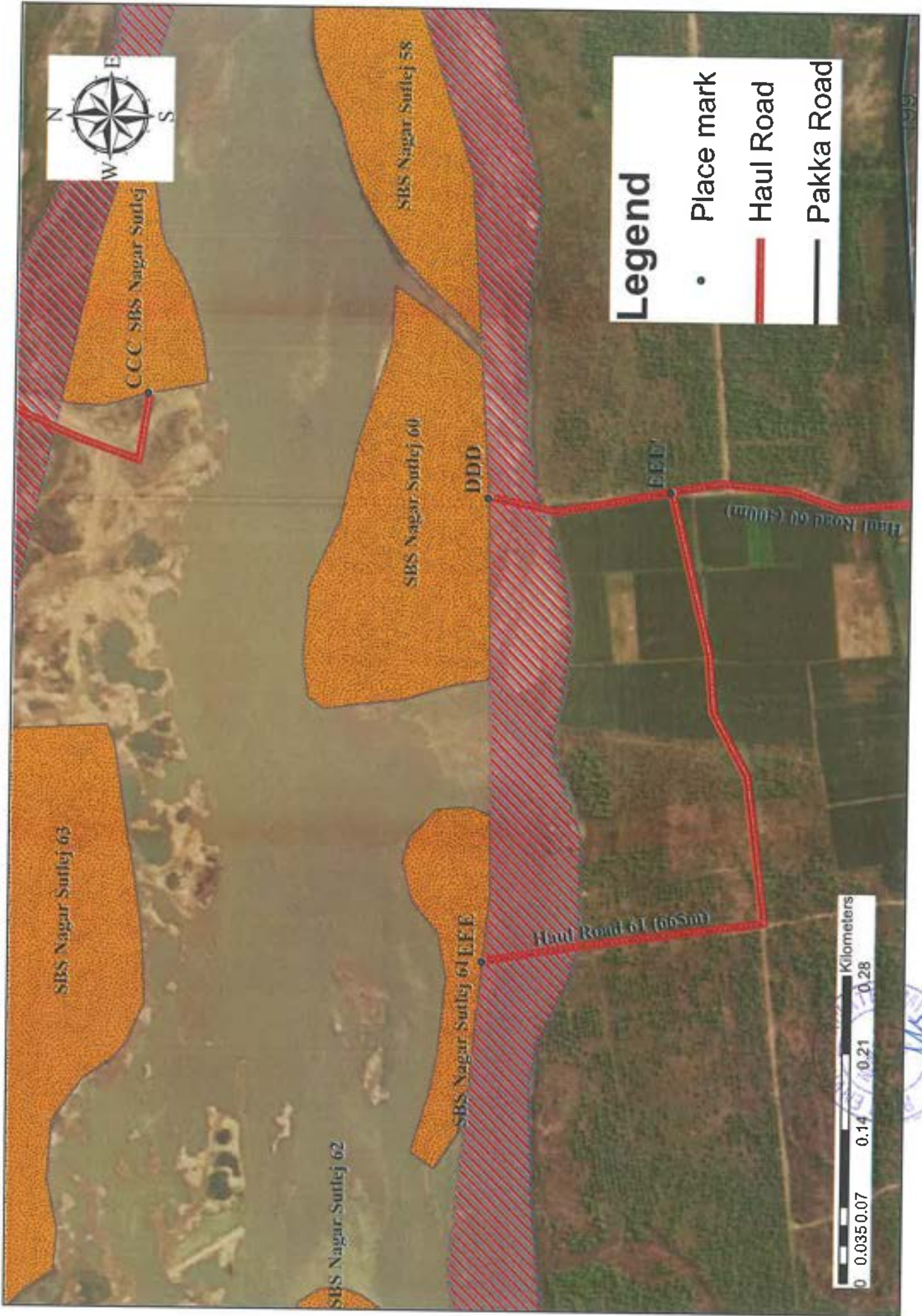
Haul Road 63 (437m)

CCC SBS Nagar Suttlej 59

SBS Nagar Suttlej 60

SBS Nagar Suttlej 63







Haul Road 54 (173m)

SBS Nagar Sutlej 63

SBS Nagar Sutlej 64

SBS Nagar Sutlej 62

SBS Nagar Sutlej 65

SBS Nagar Sutlej 66

Legend

- Place mark
- Haul Road
- Pakka Road



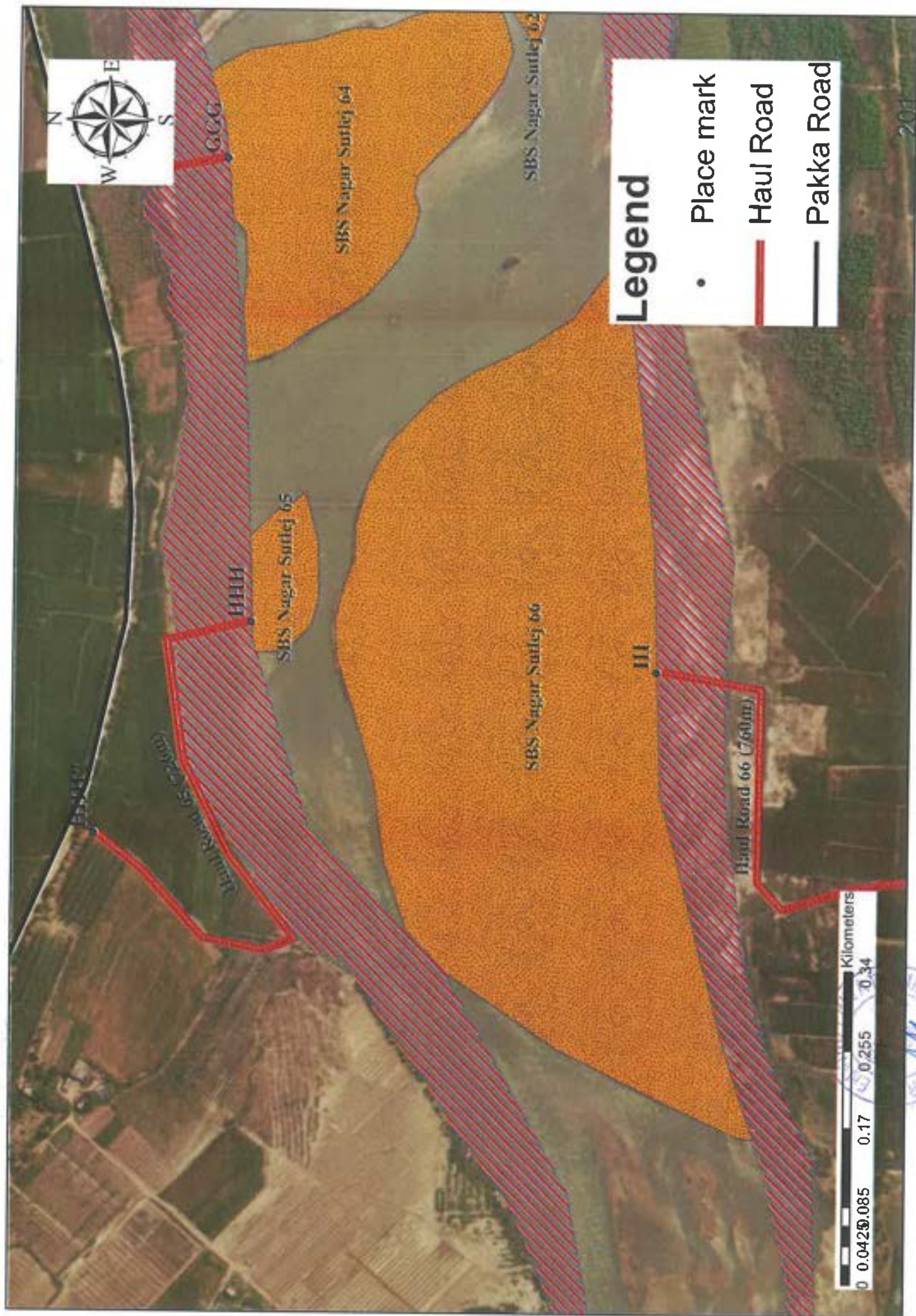
200





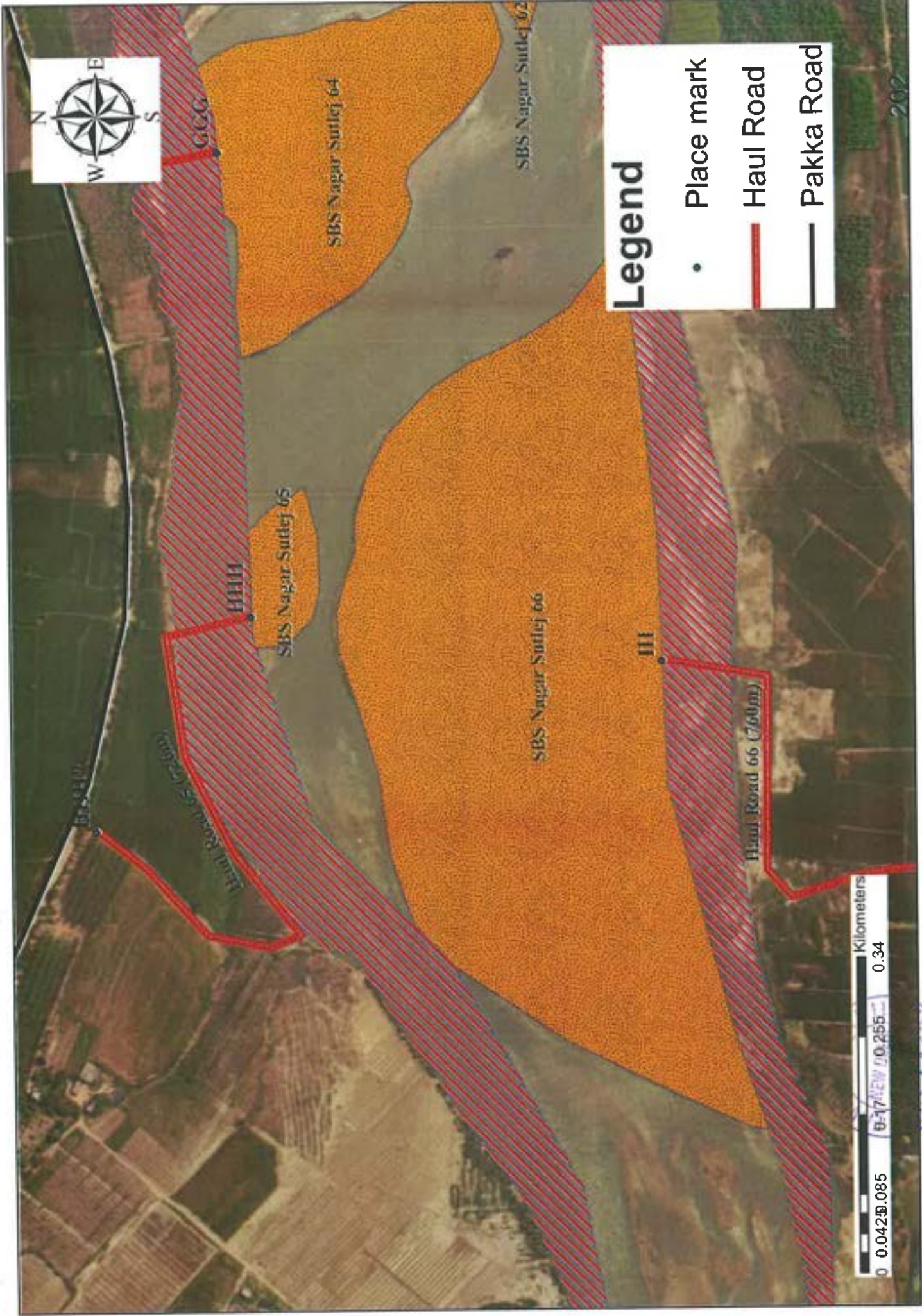
Legend

- Place mark
- Haul Road
- Pakka Road



Kilometers
0 0.0425 0.085 0.17 0.255 0.34





Legend

- Place mark
- Haul Road
- Pakka Road

SBS Nagar Sutlej 64

SBS Nagar Sutlej 62

SBS Nagar Sutlej 65

SBS Nagar Sutlej 66

HHH

III

Haul Road 65 (760m)

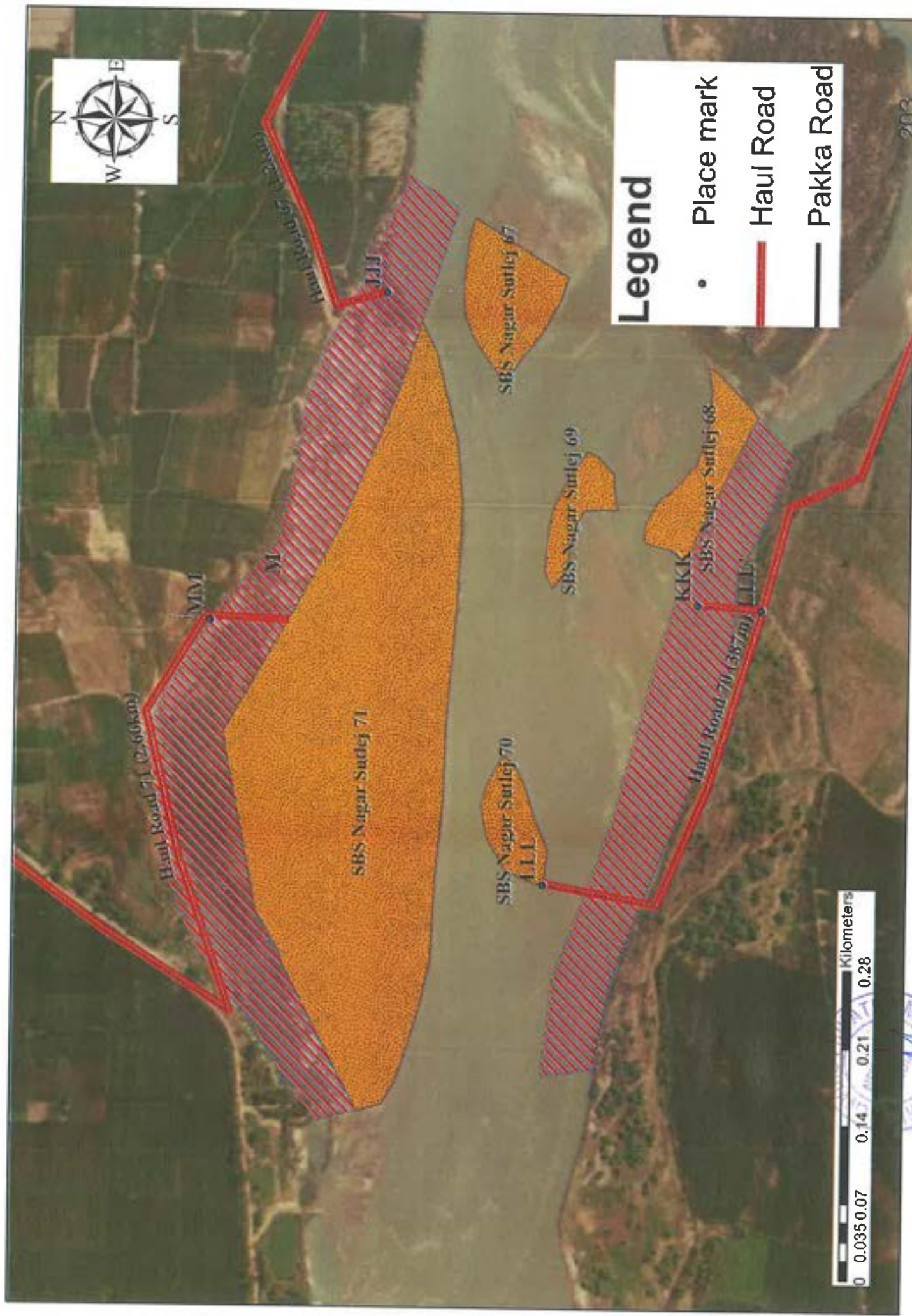
Haul Road 66 (760m)



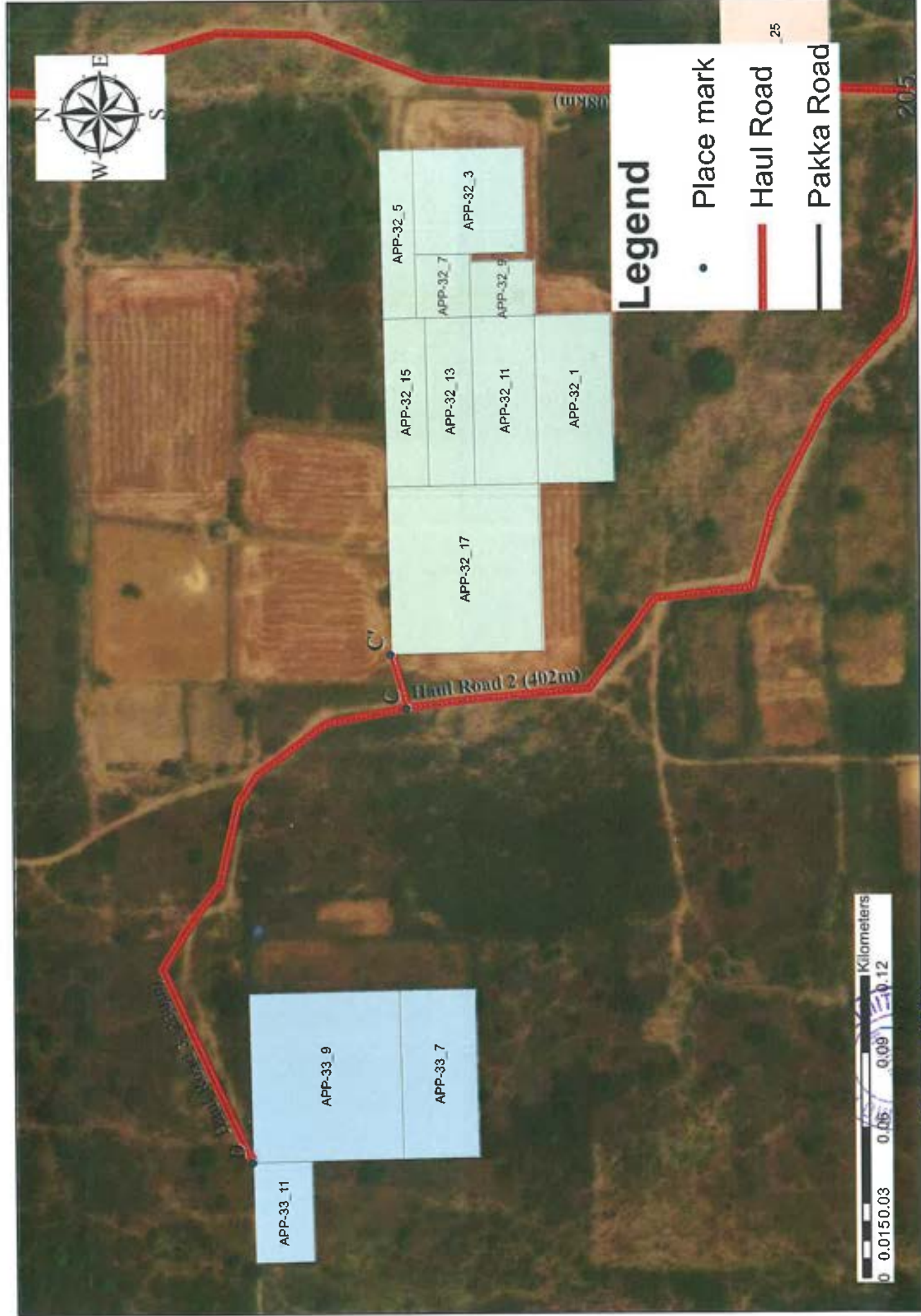


Legend

- Place mark
- Haul Road
- Pakka Road



(Agricultural Sites)



Haul Road 2 (402m)

Legend

- Place mark
- Haul Road
- Pakka Road





Legend

- Place mark
- Haul Road
- Pakka Road

APP-35_17

APP-35_15

APP-35_9

APP-35_13

APP-35_11

APP-35_7

APP-35_5

APP-35_3

F'

APP-35_1

APP-30_1

Haul Road 4 (2.058km)





APP-38_1
APP-38_2



Legend

- Place mark
- Haul Road
- Pakka Road



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Annexure A
(Annexure as prescribed in the EMGSM, 2020)

Annexure-I

Details of Sand/M-Sand Sources

a) Rivers:

River Name/M-Sand Plant	Total Stretch of River (in KM)	Type of River (Perennial or Non-Perennial)
Sutlej	56	Perennial

b) De-Siltation Location: (Lakes/Ponds/Dams etc.)

Name of Reservoir/Dams	Maintain/Controlled by State Govt./PSU etc.	Location	District	Tehsil	Village	Size(Ha)
Sutlej	State Govt.	Brahmad Rail	SBS Nagar	Balachaur	Brahmad Rail	16.75
Sutlej	State Govt.	Mandhala	SBS Nagar	Nawanshar	Mandhala 2	15.78
Sutlej	State Govt.	Behloor Khurd	SBS Nagar	Nawanshar	Behloor Khurd	14.97
Sutlej	State Govt.	Phul Makori saidpur khurd	SBS Nagar	Nawanshar	Phul Makori	14.57
Sutlej	State Govt.	Saidpur Khurd	SBS Nagar	Nawanshar	Saidpur Khurd	10.53
Total						72.6

c) Patta Lands/Khatedari Land:

Owner	Sy. No	Area (Ha)	District	Tehsil	Village	Agricultural Land (Yes/No)
Binder Kumar Sarpanch & others (As per office record)	45//11,12,13/1,15,16,17/1,18,19,20/1,20/2,21/1,21/2,21/3,22/1,22/2,23,24,25,46//1,2/1,2/2,25,54//1,2/1,2/2,3,4/1,4/2,4/3,5/1,5/2,6,7/1,7/2,8/1,8/2,9,10,11,12,13,14,15,16,17,18,19,20/1,20/2,20/3,20/4,21/1,21/2,22,23,24,25,55//1,2,3/1,3/2,4,5/1,5/2,6/1,6/2,7/1,7/2,8,9/1,9/2,11/3,12,13,14/1,14/2,5/1,15,16/1,16/2,16/3,17/1,17/2,18,19,20,21,22,23,24/1,24/2,25/1,25/2,56//1/1,1/2,1/3,2/1,2/2,3/3,4,5,6,8,9,1	95.48	SBS Nagar	Balachaur	Chandpur Rurki 366	Yes



Enforcement & Monitoring Guidelines for Sand Mining

	0,11,12/1,12/2,13/1,14/1,14/2,14/3,15/1,15/2,16/1,16/2,16/3,17/1,17/2,18,19,20, 21/1 ,21/2, 21/3,22,23,24/1,24/2,25/1,57//14,15,21,23,24,25/1,25/2,25/3,60//8,13,14, 15,16,17,18,19,20,21,22, 23,24 /1,25, 61//1, 2,3,4, 5/1,5/2,5/3,6,7/1,7/2,8,9, 10,11,12,13 ,14/1,14/2, 15/1,15/2,16/1, 16/2, 17 /1,17/2,18/1,18/2,19,20, 21/1,21/2,22/1,22/2,23,24/1,24/2,25/1,25/2, 25/3 62//1-25, 68//1-25, 69// 1-25, 70//1-25, 73//1/1/3,1/2/1,1/2/2,2/1/2,2/1/3,2/2,3/1/2,3/2,4/1, 4/2,18,19/1,19/2,20/1, 20/2,21, 22/1, 22/2, 23, 24/1,24/2,24/3, 25,80 //1/1,1/2,2/1,2/2,3/1 ,3/2,4/1,4/2,5/1,5/2,5/3,5 /4,6/1,5/1,5/2,5/3,5/4,6/1 ,6/2,6/3,7/1, 7/2,8/1,8/2, 9/1, 9/2, 9/3,10/1,10/2, 11/1, 11/2, 12/1, 13/ 1, 13/2,14,15/1, 15/2 15/3, 25/1,25/2,81//9,10,11,12 ,13,16/2,17/1,17/2,18, 19/1, 19/2, 20/1 ,20/2,21/1,21/2,22,23, 24,25/1,25/2,84//6,7/1,7/ 2,8,9/1,10/1,10/2,11/1, 11/2,12, 13/1,13/2, 14/1,14/2,14/3,15,16,17/ 1,17/2,18,19,20,21/1,21/ 2,22, 23/1,23/2,24/1, 24/2,25,85//1/1,1/2,,4,5, 6/1,8,9/1,9/2,10 ,11,12, 13/1, 13/2,14, 19,20, 21,22					
Nirmal Singh SO Mahanga singh	14//25	0.40	SBS Nagar	Balachaur	Chandpur Rurki 366	Yes
Kanta Devi WO Baldev Singh	64//10,11,20 63//6,14,15,16,17,23/1,24/ 1, 64//1, 10,11,20,	5.40	SBS Nagar	Balachaur	Chandpur Rurki 366	Yes



Enforcement & Monitoring Guidelines for Sand Mining

Pardeep Kaur WO Santokh Singh	54//3,4/1,4/2,4/3,5/1,5/2,7/ 1	1.40	SBS Nagar	Balachaur	Chandpur Rurki 366	Yes
Gurmail Singh SO Hakam Singh	46//24/2,25,55//5/1 86//9/1, 98//12,13,485	1.45	SBS Nagar	Balachaur	Chandpur Rurki 366	Yes
Ajaib Singh SO Tara Singh	10//15,16,17,24, 13//1,14//5,6,7,17/1	3.15	SBS Nagar	Balachaur	Chandpur Rurki 366	Yes
Shivay Sharma SS Trading Company	54//20/3,21/1	0.30	SBS Nagar	Balachaur	Majran Jattan 412	Yes
Total		107.58				

d) M-Sand Plants:

Plant Name	Owner	District	Tehsil	Village	Geo-location	Quantity Tonnes/Annum
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Note: For inclusion of M-Sand Plant/Patta Land in DSR the plant/landowners need to submit the request to the Mining Department with complete details. Inclusion in DSR does not give them the right to operate the M-Sand Plant/Sand Mining lease.



Annexure-II

List of Potential Mining Leases (existing & proposed) Rivers

Sl. No	River details	Sandbar Code	Lease Details	Area (Ha.)	Distance (in KM) from PA/BR/WC/	Distance from Forest Area (in KM)	Bulk Density	Depth of the Deposits (Actual average depth or 3m (in case actual average depth exceeds 3m)	Mining leases within 500 meters (if yes cluster area)	Total excavation in Tonnes	Total excavation in Tonnes (Considering 60% as per EMGSM, 2020)	Mineral to be mined (Sand/Bajri/RBM etc.)	Existing / Proposed
1			Arzi Derya Bramd RAIL	4.90	NA	More than 500m				127422		Sand	Existing
2			Begowal	1.42	NA	More than 100m				9504		Sand	Existing
3			Burj Tehal Das	21.50	NA	More than 100m				100310		Sand	Existing
1		PO_SN_BL_ST_01	SBS Nagar Sutlej	2.68	NA	More than 500m		3	NO	125424	75254.4	Sand	Proposed
2		PO_SN_BL_ST_03.04	SBS Nagar Sutlej	13.62	NA	More than 500m		3	NO	637416	382449.6	Sand	Proposed
3		PO_SN_BL_ST_4A	SBS Nagar Sutlej	1.88	NA	More than 500m		3	Yes, Area: 3.87 Ha.	87984	52790.4	Sand	Proposed
4		PO_SN_BL_ST_4B	SBS Nagar Sutlej	1.99	NA	More than 500m		3		93132	55879.2	Sand	Proposed
5	Sutlej	PO_SN_BL_ST_05	SBS Nagar Sutlej	1.19	NA	More than 300m	1.56	3	NO	55692	33415.2	Sand	Proposed
6		PO_SN_BL_ST_06_07	SBS Nagar Sutlej	9.44	NA	More than 500m		2.22		326926.08	196155.648	Sand	Proposed
7		PO_SN_BL_ST_08	SBS Nagar Sutlej	9.20	NA	More than 500m		3	Yes, Area: 57.18Ha.	430560	258336	Sand	Proposed
8		PO_SN_BL_ST_09	SBS Nagar Sutlej	17.05	NA	More than 500m		3		797940	478764	Sand	Proposed



Enforcement & Monitoring Guidelines for Sand Mining

9	PO SN BL ST_10	SBS Nagar Sutlej 09	7.07	NA	More than 500m		3		330876	198525.6	Sand	Proposed
10	PO SN BL ST_11	SBS Nagar Sutlej 10	3.76	NA	More than 500m		2.93		171862.08	103117.248	Sand	Proposed
11	PO SN BL ST_12_13	SBS Nagar Sutlej 11	10.66	NA	More than 500m		1.36		226162.56	135697.536	Sand	Proposed
12	PO SN BL ST_14	SBS Nagar Sutlej 12	10.18	NA	More than 500m		3		476424	285854.4	Sand	Proposed
13	PO SN BL ST_15	SBS Nagar Sutlej 13	1.40	NA	More than 500m		3		65520	39312	Sand	Proposed
14	PO SN BL ST_15A	SBS Nagar Sutlej 14	3.04	NA	Within 100m		2		94848	56908.8	Sand	Proposed
15	PO SN BL ST_17	SBS Nagar Sutlej 15	5.85	NA	Within 100m		3	Yes, Area: 26.99 Ha.	268515	161109	Sand	Proposed
16	PO SN BL ST_19	SBS Nagar Sutlej 16	4.70	NA	Within 100m	1.53	3		215730	129438	Sand	Proposed
17	PO SN BL ST_20	SBS Nagar Sutlej 17	0.52	NA	More than 100m		3		23868	14320.8	Sand	Proposed
18	PO SN BL ST_22	SBS Nagar Sutlej 18	1.30	NA	More than 200m		3		59670	35802	Sand	Proposed
19	PO SN BL ST_27	SBS Nagar Sutlej 19	2.31	NA	Within 100 m		2.24	NO	79685.76	47811.456	Sand	Proposed
20	PO SN NS ST_28	SBS Nagar Sutlej 20	1.15	NA	More than 500m		0.72		12751.2	7650.72	Sand	Proposed
21	PO SN NS ST_28A	SBS Nagar Sutlej 21	4.70	NA	More than 500m		1.2		86856	52113.6	Sand	Proposed
22	PO SN NS ST_30	SBS Nagar Sutlej 22	4.82	NA	More than 500m	1.54	2.07	Yes, Area: 20.72 Ha.	153651.96	92191.176	Sand	Proposed
23	PO SN NS ST_31_33	SBS Nagar Sutlej 23	4.04	NA	More than 500m		1.87		116343.92	69806.352	Sand	Proposed
24	PO SN NS ST_32	SBS Nagar Sutlej 24	6.01	NA	More than 500m		1.38		127724.52	76634.712	Sand	Proposed
25	PO SN NS ST_34	SBS Nagar Sutlej 25	10.92	NA	More than 500m	1.56	0.76	Yes, Area: 26.41 Ha.	129467.52	77680.512	Sand	Proposed



Enforcement & Monitoring Guidelines for Sand Mining

26	PO SN NS _ST_35	SBS Nagar Sutlej 26	2.38	NA	More than 500m		2.68	99503.04	59701.824	Sand	Proposed
27	PO SN NS _ST_36	SBS Nagar Sutlej 27	1.71	NA	More than 100m		2.95	78694.2	47216.52	Sand	Proposed
28	PO SN NS _ST_37	SBS Nagar Sutlej 28	3.09	NA	More than 100m		1.05	50614.2	30368.52	Sand	Proposed
29	PO SN NS _ST_37A	SBS Nagar Sutlej 29	1.04	NA	More than 100m		0.63	10221.12	6132.672	Sand	Proposed
30	PO SN NS _ST_38	SBS Nagar Sutlej 30	0.82	NA	More than 100m		0.89	11384.88	6830.928	Sand	Proposed
31	PO SN NS _ST_39	SBS Nagar Sutlej 31	5.34	NA	More than 100m		0.58	48316.32	28989.792	Sand	Proposed
32	PO SN NS _ST_40	SBS Nagar Sutlej 32	1.11	NA	More than 100m		2.24	38787.84	23272.704	Sand	Proposed
33	PO SN NS _ST_45	SBS Nagar Sutlej 33	2.11	NA	More than 500m		0.79	25670.26	15402.156	Sand	Proposed
34	PO SN NS _ST_47	SBS Nagar Sutlej 34	7.30	NA	More than 500m		0.38	42719.6	25631.76	Sand	Proposed
35	PO SN NS _ST_48	SBS Nagar Sutlej 35	0.69	NA	More than 500m		0.26	2762.76	1657.656	Sand	Proposed
36	PO SN NS _ST_50	SBS Nagar Sutlej 36	4.26	NA	More than 500m		1.62	106278.48	63767.088	Sand	Proposed
37	PO SN NS _ST_51	SBS Nagar Sutlej 37	14.76	NA	More than 500m		1.05	238669.2	143201.52	Sand	Proposed
38	PO SN NS _ST_52	SBS Nagar Sutlej 38	1.24	NA	More than 500m	1.54	2.09	39910.64	23946.384	Sand	Proposed
39	PO SN NS _ST_53	SBS Nagar Sutlej 39	1.65	NA	More than 500m		0.05	1270.5	762.3	Sand	Proposed
40	PO SN NS _ST_54	SBS Nagar Sutlej 40	0.22	NA	More than 500m		0.64	2168.32	1300.992	Sand	Proposed
41	PO SN NS _ST_55	SBS Nagar Sutlej 41	1.26	NA	More than 500m		1.03	19986.12	11991.672	Sand	Proposed
42	PO SN NS _ST_56	SBS Nagar Sutlej 42	6.48	NA	More than 500m		1.87	186611.04	111966.624	Sand	Proposed

Yes, Area:
63.68 Ha.



Enforcement & Monitoring Guidelines for Sand Mining

43	PO SN NS ST_57	SBS Nagar Sutlej 43	2.16	NA	More than 500m	1.16	38586.24	23151.744	Sand	Proposed
44	PO SN AR ST_58	SBS Nagar Sutlej 44	10.46	NA	More than 500m	2.39	384990.76	230994.456	Sand	Proposed
45	PO SN AR ST_59	SBS Nagar Sutlej 45	9.30	NA	More than 500m	1.8	257796	154677.6	Sand	Proposed
46	PO SN AR ST_61	SBS Nagar Sutlej 46	1.79	NA	More than 500m	2.22	61196.52	36717.912	Sand	Proposed
47	PO SN AR ST_61B	SBS Nagar Sutlej 47	0.94	NA	More than 500m	2.12	30689.12	18413.472	Sand	Proposed
48	PO SN AR ST_62	SBS Nagar Sutlej 48	4.75	NA	More than 500m	1.76	128744	77246.4	Sand	Proposed
49	PO SN AR ST_63	SBS Nagar Sutlej 49	5.30	NA	More than 500m	2.36	192623.2	115573.92	Sand	Proposed
50	PO SN AR ST_64	SBS Nagar Sutlej 50	4.76	NA	More than 500m	3	219912	131947.2	Sand	Proposed
51	PO SN AR ST_65	SBS Nagar Sutlej 51	0.61	NA	More than 500m	3	28182	16909.2	Sand	Proposed
52	PO SN AR ST_66	SBS Nagar Sutlej 52	3.78	NA	More than 500m	2.9	168814.8	101288.88	Sand	Proposed
53	PO SN AR ST_66A	SBS Nagar Sutlej 53	0.23	NA	More than 500m	3	10626	6375.6	Sand	Proposed
54	PO SN AR ST_66B	SBS Nagar Sutlej 54	0.37	NA	Within 100m	3	17094	10256.4	Sand	Proposed
55	PO SN AR ST_66C	SBS Nagar Sutlej 55	0.80	NA	Within 100m	3	36960	22176	Sand	Proposed
56	PO SN AR ST_67	SBS Nagar Sutlej 56	4.04	NA	Within 100m	3	186648	111988.8	Sand	Proposed
57	PO SN AR ST_67A	SBS Nagar Sutlej 57	0.68	NA	Within 100m	3	31416	18849.6	Sand	Proposed
58	PO SN AR ST_68	SBS Nagar Sutlej 58	5.41	NA	More than 100m	3	250866	150519.6	Sand	Proposed

Yes, Area:
78.84 Ha.



Enforcement & Monitoring Guidelines for Sand Mining

59	PO_SN_AR_ST_68A	SBS Nagar Sutlej 59	1.84	NA	Within 100m		3	85008	51004.8	Sand	Proposed
60	PO_SN_AR_ST_69	SBS Nagar Sutlej 60	4.58	NA	Within 100m		3	211596	126957.6	Sand	Proposed
61	PO_SN_AR_ST_69A	SBS Nagar Sutlej 61	1.47	NA	Within 100m		3	67914	40748.4	Sand	Proposed
62	PO_SN_AR_ST_69B	SBS Nagar Sutlej 62	0.47	NA	More than 100m		3	21714	13028.4	Sand	Proposed
63	PO_SN_AR_ST_70	SBS Nagar Sutlej 63	6.35	NA	Within 100m		3	293370	176022	Sand	Proposed
64	PO_SN_AR_ST_71	SBS Nagar Sutlej 64	7.33	NA	More than 100m		3	338646	203187.6	Sand	Proposed
65	PO_SN_AR_ST_71A	SBS Nagar Sutlej 65	1.02	NA	More than 200m		3	47124	28274.4	Sand	Proposed
66	PO_SN_AR_ST_72	SBS Nagar Sutlej 66	24.09	NA	More than 100m		3	1112958	667774.8	Sand	Proposed
67	PO_SN_AR_ST_81A	SBS Nagar Sutlej 67	0.81	NA	More than 100m		3	37908	22744.8	Sand	Proposed
68	PO_SN_AR_ST_81C	SBS Nagar Sutlej 68	0.61	NA	More than 100m		3	28548	17128.8	Sand	Proposed
69	PO_SN_AR_ST_81D	SBS Nagar Sutlej 69	0.34	NA	More than 100m	1.56	3	15912	9547.2	Sand	Proposed
70	PO_SN_AR_ST_81F	SBS Nagar Sutlej 70	0.42	NA	More than 100m		3	19656	11793.6	Sand	Proposed
71	PO_SN_AR_ST_82	SBS Nagar Sutlej 71	8.71	NA	More than 100m		2.51	341048.76	204629.256	Sand	Proposed
Total (Proposed)			308.38					10865146.5 2	6519087.912		

Note: The average depth for each potential sandbar has been mentioned in cross sections available on pages 94 to 167.

There is no Protected Area, Wildlife Sanctuary in district SBS Nagar (Source: DFO/Wildlife, Hoshiarpur, Division)



Patta Lands/Khatedari Land: (existing & proposed)

Owner	Sy.No	Area (Ha.)	District	Tehsil	Village	Total Reserve (MT) Considering Bulk Density	Total Mineral to be mined (MT) (Considering 60%)	Existing /Proposed
Binder Kumar Sarpanch & others(As per office record)	45//1,1,12,13/1,15,16,17/1,18,19,20/1,20/2,21/1,21/2,21/3,22/1,22/2,23,24, 25, 46//1,2/1,2/2,25,54//1,2/1,2/2,3,4/1,4/2,4/3,5/1,5/2,6,7/1,7/2,8/1,8/2,9,10,11,12,13,14,15,16,17,18,19,20/1,20/2,20/3,20/4,21/1,21/2,22,23,24,25,55//1,2,3/1,3/2,4,5/1,5,2,6/1,6/2,7/1,7/2,8,9/1,9/2,10/1,10/2,11,11/2,11/3,12,13,14/1,14/2, 5/1, 15/2,16/1,16/2,16/3,17/1,17/2,18,19,20,21,22,23,24/1,24/2,25/1,25/2,56//1/1,1/2,1/3,2/1,2/2,2/3,3,4,5,6,8,9,10,11,12/1,12/2,13/1,14/1,14/2,14/3,15/1,15/2,16/1,16/2,16/3,17/1,17/2, 18,19,20,21,22,23,24/1,24/2,25/1,25/2,56//1/1,1/2,1/3,2/1,2/2,2/3,3,4,5,6,8,9,10,11,12/1,12/2,13/1,14/1,14/2,14/3,15/1,15/2,16/1,16/2,16/3,17/1,17/2, 18,19,20, 21/1,21/2,21/3,22,23,24/1,24/2,25/1,57//14,15,21,23,24,25/1,25/2,25/3,60//8,13,14,15,16,17,18,19,20,21,22, 23,24/1,25,61//1,2,3,4,5/1,5/2,5/3,6,7/1,7/2,8,9, 10,11,12,13,14/1,14/2,15/1,15/2,16/1,16/2,17/1,17/2,18/1,18/2,19,20,21/1,21/2,22/1,22/2,23,24/1,24/2,25/1,25/2, 25/3	95.48	SBS Nagar	Balachaur	Chandpur Rurki 366	48,69,480 (RBM)	29,21,688	Proposed



Enforcement & Monitoring Guidelines for Sand Mining

	25, 70/1-25, 73/1/1/3,1/2/1,1/2/2,2/1/2, 2/1/3,2/2,3/1/2,3/2,4/1,4/2,1 8,19/1,19/2,20/1, 20/2,21, 22/1,22/2,23,24/1,24/2,24/3 , 25,80/1/1,1/2,2/1,2/2,3/1 ,3/2,4/1,4/2,5/1,5/2,5/3,5/4, 6/1,5/1,5/2,5/3,5/4,6/1,6/2,6 /3,7/1, 7/2,8/1,8/2, 9/1, 9/2, 9/3,10/1,10/2, 11/1, 11/2, 12/1,13/1,13/2,14,15/1, 15/2 15/3,25/1,25/2, 81/9,10,11,12,13,16/2,17/1 ,17/2,18, 19/1, 19/2, 20/1 ,20/2,21/1,21/2,22,23, 24, 25/1,25/2,84/6,7/1,7/2,8,9/ 1,10/1,10/2,11/1, 11/2,12, 13/1,13/2,14/1,14/2,14/3,15 16,17/1,17/2,18,19,20,21/1, 21/2,22, 23/1,23/2,24/1, 24/2,25,85/1/1,1/2,,4,5,6/1, 8,9/1,9/2,10 ,11,12, 13/1, 13/2,14,19,20,21,22	0.40	SBS Nagar	Balachaur	Chandpur Rurki 366	20,400 (RBM)	12,240	Proposed
Nirmal Singh SO Mahanga singh	14/25	0.40	SBS Nagar	Balachaur	Chandpur Rurki 366	20,400 (RBM)	12,240	Proposed
Kanta Devi WO Baldev Singh	64/10,11,20 63/6,14,15,16,17,23/1,24/1, 64/1, 10,11,20,	5.40	SBS Nagar	Balachaur	Chandpur Rurki 366	2,75,400 (RBM)	165240	Proposed
Pardeep Kaur WO Santokh Singh	54/3,4/1,4/2,4/3,5/1,5/2,7/1	1.40	SBS Nagar	Balachaur	Chandpur Rurki 366	71,400 (RBM)	42,840	Proposed
Gurmail Singh SO Hakam	46/24/2,25,55/5/1 86/9/1, 98/12,13,485	1.45	SBS Nagar	Balachaur	Chandpur Rurki 366	73,950(RBM)	44,370	Proposed



Enforcement & Monitoring Guidelines for Sand Mining

Singh												
Ajaib Singh SO Tara Singh	10//15,16,17,24, 13//1,14//5,6,7,17/1	3.15	SBS Nagar	Balachaur	Chandpur Rurki 366	1,60,650 (RBM)	96,390	Proposed				
Shivay Sharma SS Trading Company	54//20/3,21/1	0.30	SBS Nagar	Balachaur	Majran Jattan 412	13,860(Sand)	8,316	Proposed				
Total(Proposed)		107.58				54,85,140	32,91,084					

De-Siltation Location: (Lakes/Ponds/Dams etc.) (Existing & proposed)

Name of Reservoir/Dams	Maintain/Controlled by State Govt./PSUetc.	Location	District	Tehsil	Village	Size (Ha)	Quantity MT / Year (Balance Quantity)	Existing /Proposed
Sutlej	State Govt.	Brahmad Rail	SBS Nagar	Balachaur	Brahmad Rail	16.75	--	--
Sutlej	State Govt.	Mandhala	SBS Nagar	Nawanshahr	Mandhala 2	15.78	--	--
Sutlej	State Govt.	Behloor Khurd	SBS Nagar	Nawanshahr	Behloor Khurd	14.97	--	--
Sutlej	State Govt.	Phul Makori saidpur khurd	SBS Nagar	Nawanshahr	Phul Makori/Saidpur Khurd	14.57	--	--
Sutlej	State Govt.	Saidpur Khurd	SBS Nagar	Nawanshahr	Saidpur Khurd	10.53	--	--
Total						72.6		

Note: The quantity of De-silting shall be assessed as per actual site conditions at the time of de-silting and got approved from the competent authority.



Enforcement & Monitoring Guidelines for Sand Mining

M-Sand Plants :(existing & proposed)

Plant Name	Owner	District	Tehsil	Village	Geo-location	Quantity Tonnes/Annum	Existing/Proposed
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available



Annexure-III

Cluster & Contiguous Cluster details

Clusters:

River Name	Cluster No.	Lease No	Location (Riverbed Patta Land)	Village	Area (in Ha.)	Total Excavation (Ton)	Total Mineral Excavation (Ton) (Considering 60% as per EMGSM, 2020)
Sutlej	1	SBS Nagar Sutlej 03 to 04	Riverbed	-	3.87	181116	108669.6
	2	SBS Nagar Sutlej 06 to 11	Riverbed	-	57.18	2284326.72	1370596.032
	3	SBS Nagar Sutlej 12 to 18	Riverbed	-	26.99	1204575	722745
	4	SBS Nagar Sutlej 20 to 24	Riverbed	-	20.72	497327.6	298396.56
	5	SBS Nagar Sutlej 25 to 32	Riverbed	-	26.41	466989.12	280193.472
	6	SBS Nagar Sutlej 33 to 46	Riverbed	-	63.68	1408616.44	845169.864
	7	SBS Nagar Sutlej 47 to 66	Riverbed	-	78.84	3480905.12	2088543.072
	8	SBS Nagar Sutlej 67 to 71	Riverbed	-	10.89	443072.76	265843.656
Total(Riverbed)					288.58	9966928.76	5980157.256
	1	Chandpur Rurki 1-6	Patta Land	Chandpur Rurki	107.28	54,71,280	32,82,768
Total(Agriculture Site + Riverbed)					395.86	1,54,38,208.76	92,62,925.256

Contiguous Clusters:

River Name	Contiguous Cluster No.	Cluster No	Number Of Leases in the cluster	Location (Riverbed / Patta Land)	Distance between clusters	Village	Area Of Cluster (Ha)	Total Mineral Excavation (Ton)
Sutlej	NA	NA	NA	NA	NA	NA	NA	NA



Annexure-IV

Transportation Routes for individual leases and leases in Cluster

Lease No	Transportation Route No	Number of tipper s /day of lease	Number of tipper s /day of all the lease on route	Length of Route in KM	Type of Road (Black Topped/ unpaved)	Recommendation for road (Black Topped/ unpaved)	The road will be Constructed by Govt/ Lease Owner	Route Map & Location
SBS Nagar Sutlej 01	A-A'	23	NA	1.08	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 02	B-B'	115	NA	2.51	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 03	C-C'	16	NA	0.90	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 04	D-D'	17	NA	0.49	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 05	E-E'	10	NA	0.70	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 06	F-F'	59	NA	3.28	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 07	G-G'	78	NA	3.49	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 08	H-H'	144	NA	1.13	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 09	I-I'	60	NA	2.97	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 10	J-J'	31	NA	1.47	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 11	K-K'	41	NA	1.04	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

SBS Nagar Sutlej 12	L-L'	86	NA	0.58	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 13	M-M'	12	NA	0.83	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 14	N-N'	17	NA	1.33	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 15	O-O'	48	NA	0.13	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 16	P-P'	39	NA	0.26	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 17	Q-Q'	4	NA	0.11	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 18	R-R'	11	NA	3.47	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 19	S-S'	14	NA	2.98	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 20	T-T'	2	NA	6.22	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 21	U-U'	16	NA	0.50	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 22	V-V'	28	NA	0.65	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 23	W-W'	21	NA	0.55	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 24	X-X'	23	NA	0.84	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 25	Y-Y'	23	NA	2.41	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 26	Z-Z'	18	NA	0.43	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 27	AA-AA'	14	NA	1.87	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

SBS Nagar Sutlej 28	BB-BB'	9	NA	0.28	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 29	CC-CC'	2	NA	0.61	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 30	CC-CC'	2	NA	0.61	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 31	DD-DD'	9	NA	0.49	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 32	EE-EE'	7	NA	0.53	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 33	FF-FF'	5	NA	1.59	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 34	HH-HH'	8	NA	0.52	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 35	FF-FF'	2	NA	1.59	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 36	II-II'	19	NA	3.82	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 37	JJ-JJ'	43	NA	0.51	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 38	KK-KK'	7	NA	0.6	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 39	LL-LL'	2	NA	0.34	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 40	MM-MM'	2	NA	0.5	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 41	NN-NN'	4	NA	0.19	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 42	OO-OO'-PP'	34	NA	3.27	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 43	PP-OO*	7	NA	0.28	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

SBS Nagar Sutlej 44	QQ-QQ'	69	NA	0.35	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 45	RR-RR'	46	NA	1.08	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 46	SS-SS'	11	NA	0.53	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 47	TT-TT'	6	NA	0.59	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 48	UU-UU'	23	NA	1.3	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 49	VV-VV'	35	NA	1.17	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 50	VV-VV'	40	NA	0.17	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 51	UU'-U'U'-	5	NA	1.84	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 52	WW-WW'	30	NA	0.26	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 53	XX-XX'	2	NA	0.24	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 54	YY-YY'	3	NA	0.05	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 55	ZZ-ZZ'	7	NA	0.07	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 56	AAA-AAA'	34	NA	1.52	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 57	BBB-BBB'	6	NA	0.83	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 58	BBB-BBB'	45	NA	0.83	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 59	CCC-CCC'	15	NA	0.53	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

SBS Nagar Sutlej 60	DDD-DDD'	38	NA	0.4	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 61	EEE-EEE'	12	NA	0.67	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 62	GGG-GGG'	4	NA	0.17	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 63	FFF-FFF'	53	NA	0.43	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 64	GGG-GGG'	61	NA	0.17	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 65	HHH-HHH'	8	NA	0.72	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 66	III-III'	200	NA	0.76	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 67	JJJ-JJJ'	7	NA	1.2	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 68	KKK-KKK'	5	NA	1.39	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 69	KKK-KKK'	3	NA	1.39	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 70	LLL-LLL'	4	NA	0.38	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 71	MMM-MMM'	61	NA	2.66	Unpaved	Unpaved	Lease Owner	Route Map attached
Total		1965						



Cluster:

Cluster No	Transportation Route No	Number of tipper s /day of cluster	Number of tipper s /day of all the clusters on Route	Length of Route in KM	Type Of Road (Black Topped/ Unpaved)	Recommendation for road(Black Topped/ unpaved)	The road will be Constructed by Govt/Lease Owner	Route Map & Location
SBS Nagar Sutlej 03 to 04	C-C' D-D'	33	NA	1.39	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 06 to 11	F-F' G-G' H-H' I-I' J-J' K-K'	411	NA	13.38	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 12 to 18	L-L' M-M' N-N' O-O' P-P' Q-Q' R-R'	217	NA	6.71	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 20 to 24	T-T' U-U' V-V' W-W' X-X'	90	NA	8.76	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 25 to 32	Y-Y' Z-Z' AA-AA' BB-BB' CC-CC' DD-DD' EE-EE'	84	NA	7.23	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 33 to 46	FF-FF' HH-HH' II-II' JJ-JJ' KK-KK' LL-LL'	257	NA	15.17	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

	MM-MM' NN-NN' OO-OO'-PP' PP-OO' QQ-QQ' RR-RR' SS-SS'							
SBS Nagar Sutlej 47 to 66	TT-TT' UU-UU' VV-VV' UU'-U'U'- WW-WW' XX-XX' YY-YY' ZZ-ZZ' AAA-AAA' BBB-BBB' CCC-CCC' DDD-DDD' EEE-EEE' GGG-GGG' FFF-FFF' HHH-HHH' III-III'	627	NA	11.72	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 67 to 71	JJJ-JJJ' KKK-KKK' LLL-LLL' MMM- MMM'	80	NA	7.02	Unpaved	Unpaved	Lease Owner	Route Map attached
Total(Proposed)		1799						

Note: The above mention transportation routes are as per the present infrastructure, which may change according to the development/ identifications of new routes after temporary acquisition of land if required.



Annexure-V

Final List of Potential Mining Leases (existing & proposed)

Sl. No	River details	Sandbar Code	Lease Details	Area (Ha.)	Distance (in KM) from PA/BR/WC/	Distance from Forest Area (in KM)	Bulk Density	Average Depth	Mining leases within 500 meters (if yes cluster area)	Total excavation in Tonnes	Total excavation in Tonnes (Considering 60% as per EMGSM, 2020)	Mineral to be mined (Sand/Bajri/RBM etc.)	Existing / Proposed
1		PO_SN_BL_ST_01	SBS Nagar Sutlej	2.68	NA	More than 500m		3	NO	125424	75254.4	Sand	Proposed
2		PO_SN_BL_ST_03,04	SBS Nagar Sutlej	13.62	NA	More than 500m		3	NO	637416	382449.6	Sand	Proposed
3		PO_SN_BL_ST_4A	SBS Nagar Sutlej	1.88	NA	More than 500m		3	Yes, Area: 3.87 Ha.	87984	52790.4	Sand	Proposed
4		PO_SN_BL_ST_4B	SBS Nagar Sutlej	1.99	NA	More than 500m		3		93132	55879.2	Sand	Proposed
5	Sutlej	PO_SN_BL_ST_05	SBS Nagar Sutlej	1.19	NA	More than 300m	1.56	3	NO	55692	33415.2	Sand	Proposed
6		PO_SN_BL_ST_06,07	SBS Nagar Sutlej	9.44	NA	More than 500m		2.22		326926.08	196155.648	Sand	Proposed
7		PO_SN_BL_ST_08	SBS Nagar Sutlej	9.20	NA	More than 500m		3	Yes, Area: 57.18Ha.	430560	258336	Sand	Proposed
8		PO_SN_BL_ST_09	SBS Nagar Sutlej	17.05	NA	More than 500m		3		797940	478764	Sand	Proposed
9		PO_SN_BL_ST_10	SBS Nagar Sutlej	7.07	NA	More than 500m		3		330876	198525.6	Sand	Proposed



Enforcement & Monitoring Guidelines for Sand Mining

10	PO_SN_BL_ST_11	SBS Nagar Sutlej 10	3.76	NA	More than 500m	2.93		171862.08	103117.248	Sand	Proposed
11	PO_SN_BL_ST_12_13	SBS Nagar Sutlej 11	10.66	NA	More than 500m	1.36		226162.56	135697.536	Sand	Proposed
12	PO_SN_BL_ST_14	SBS Nagar Sutlej 12	10.18	NA	More than 500m	3		476424	285854.4	Sand	Proposed
13	PO_SN_BL_ST_15	SBS Nagar Sutlej 13	1.40	NA	More than 500m	3		65520	39312	Sand	Proposed
14	PO_SN_BL_ST_15A	SBS Nagar Sutlej 14	3.04	NA	Within 100m	2		94848	56908.8	Sand	Proposed
15	PO_SN_BL_ST_17	SBS Nagar Sutlej 15	5.85	NA	Within 100m	3	Yes, Area: 26.99 Ha.	268515	161109	Sand	Proposed
16	PO_SN_BL_ST_19	SBS Nagar Sutlej 16	4.70	NA	Within 100m	3		215730	129438	Sand	Proposed
17	PO_SN_BL_ST_20	SBS Nagar Sutlej 17	0.52	NA	More than 100m	3	1.53	23868	14320.8	Sand	Proposed
18	PO_SN_BL_ST_22	SBS Nagar Sutlej 18	1.30	NA	More than 200m	3		59670	35802	Sand	Proposed
19	PO_SN_BL_ST_27	SBS Nagar Sutlej 19	2.31	NA	Within 100 m	2.24	NO	79685.76	47811.456	Sand	Proposed
20	PO_SN_NS_ST_28	SBS Nagar Sutlej 20	1.15	NA	More than 500m	0.72		12751.2	7650.72	Sand	Proposed
21	PO_SN_NS_ST_28A	SBS Nagar Sutlej 21	4.70	NA	More than 500m	1.2		86856	52113.6	Sand	Proposed
22	PO_SN_NS_ST_30	SBS Nagar Sutlej 22	4.82	NA	More than 500m	2.07	Yes, Area: 20.72 Ha.	153651.96	92191.176	Sand	Proposed
23	PO_SN_NS_ST_31_33	SBS Nagar Sutlej 23	4.04	NA	More than 500m	1.87		116343.92	69806.352	Sand	Proposed
24	PO_SN_NS_ST_32	SBS Nagar Sutlej 24	6.01	NA	More than 500m	1.38		127724.52	76634.712	Sand	Proposed
25	PO_SN_NS_ST_34	SBS Nagar Sutlej 25	10.92	NA	More than 500m	0.76	Yes, Area: 26.41 Ha.	129467.52	77680.512	Sand	Proposed
26	PO_SN_NS_ST_35	SBS Nagar Sutlej 26	2.38	NA	More than 500m	2.68	1.56	99503.04	59701.824	Sand	Proposed



Enforcement & Monitoring Guidelines for Sand Mining

27	PO SN NS ST_36	SBS Nagar Sutlej 27	1.71	NA	More than 100m	2.95	78694.2	47216.52	Sand	Proposed
28	PO SN NS ST_37	SBS Nagar Sutlej 28	3.09	NA	More than 100m	1.05	50614.2	30368.52	Sand	Proposed
29	PO SN NS ST_37A	SBS Nagar Sutlej 29	1.04	NA	More than 100m	0.63	10221.12	6132.672	Sand	Proposed
30	PO SN NS ST_38	SBS Nagar Sutlej 30	0.82	NA	More than 100m	0.89	11384.88	6830.928	Sand	Proposed
31	PO SN NS ST_39	SBS Nagar Sutlej 31	5.34	NA	More than 100m	0.58	48316.32	28989.792	Sand	Proposed
32	PO SN NS ST_40	SBS Nagar Sutlej 32	1.11	NA	More than 100m	2.24	38787.84	23272.704	Sand	Proposed
33	PO SN NS ST_45	SBS Nagar Sutlej 33	2.11	NA	More than 500m	0.79	25670.26	15402.156	Sand	Proposed
34	PO SN NS ST_47	SBS Nagar Sutlej 34	7.30	NA	More than 500m	0.38	42719.6	25631.76	Sand	Proposed
35	PO SN NS ST_48	SBS Nagar Sutlej 35	0.69	NA	More than 500m	0.26	2762.76	1657.656	Sand	Proposed
36	PO SN NS ST_50	SBS Nagar Sutlej 36	4.26	NA	More than 500m	1.62	106278.48	63767.088	Sand	Proposed
37	PO SN NS ST_51	SBS Nagar Sutlej 37	14.76	NA	More than 500m	1.05	238669.2	143201.52	Sand	Proposed
38	PO SN NS ST_52	SBS Nagar Sutlej 38	1.24	NA	More than 500m	2.09	39910.64	23946.384	Sand	Proposed
39	PO SN NS ST_53	SBS Nagar Sutlej 39	1.65	NA	More than 500m	0.05	1270.5	762.3	Sand	Proposed
40	PO SN NS ST_54	SBS Nagar Sutlej 40	0.22	NA	More than 500m	0.64	2168.32	1300.992	Sand	Proposed
41	PO SN NS ST_55	SBS Nagar Sutlej 41	1.26	NA	More than 500m	1.03	19986.12	11991.672	Sand	Proposed
42	PO SN NS ST_56	SBS Nagar Sutlej 42	6.48	NA	More than 500m	1.87	186611.04	111966.624	Sand	Proposed
43	PO SN NS ST_57	SBS Nagar Sutlej 43	2.16	NA	More than 500m	1.16	38586.24	23151.744	Sand	Proposed

Yes, Area: 63.68
Ha.

1.54



Enforcement & Monitoring Guidelines for Sand Mining

44	PO_SN_AR_ST_58	SBS Nagar Sutlej 44	10.46	NA	More than 500m	2.39	384990.76	230994.456	Sand	Proposed
45	PO_SN_AR_ST_59	SBS Nagar Sutlej 45	9.30	NA	More than 500m	1.8	257796	154677.6	Sand	Proposed
46	PO_SN_AR_ST_61	SBS Nagar Sutlej 46	1.79	NA	More than 500m	2.22	61196.52	36717.912	Sand	Proposed
47	PO_SN_AR_ST_61B	SBS Nagar Sutlej 47	0.94	NA	More than 500m	2.12	30689.12	18413.472	Sand	Proposed
48	PO_SN_AR_ST_62	SBS Nagar Sutlej 48	4.75	NA	More than 500m	1.76	128744	77246.4	Sand	Proposed
49	PO_SN_AR_ST_63	SBS Nagar Sutlej 49	5.30	NA	More than 500m	2.36	192623.2	115573.92	Sand	Proposed
50	PO_SN_AR_ST_64	SBS Nagar Sutlej 50	4.76	NA	More than 500m	3	219912	131947.2	Sand	Proposed
51	PO_SN_AR_ST_65	SBS Nagar Sutlej 51	0.61	NA	More than 500m	3	28182	16909.2	Sand	Proposed
52	PO_SN_AR_ST_66	SBS Nagar Sutlej 52	3.78	NA	More than 500m	2.9	168814.8	101288.88	Sand	Proposed
53	PO_SN_AR_ST_66A	SBS Nagar Sutlej 53	0.23	NA	More than 500m	3	10626	6375.6	Sand	Proposed
54	PO_SN_AR_ST_66B	SBS Nagar Sutlej 54	0.37	NA	Within 100m	3	17094	10256.4	Sand	Proposed
55	PO_SN_AR_ST_66C	SBS Nagar Sutlej 55	0.80	NA	Within 100m	3	36960	22176	Sand	Proposed
56	PO_SN_AR_ST_67	SBS Nagar Sutlej 56	4.04	NA	Within 100m	3	186648	111988.8	Sand	Proposed
57	PO_SN_AR_ST_67A	SBS Nagar Sutlej 57	0.68	NA	Within 100m	3	31416	18849.6	Sand	Proposed
58	PO_SN_AR_ST_68	SBS Nagar Sutlej 58	5.43	NA	More than 100m	3	250866	150519.6	Sand	Proposed
59	PO_SN_AR_ST_68A	SBS Nagar Sutlej 59	1.84	NA	Within 100m	3	85008	51004.8	Sand	Proposed

Yes, Area: 78.84 Ha.



Enforcement & Monitoring Guidelines for Sand Mining

60	PO SN_AR_ST_69	SBS Nagar Sutlej 60	4.58	NA	Within 100m	3	211596	126957.6	Sand	Proposed
61	PO SN_AR_ST_69A	SBS Nagar Sutlej 61	1.47	NA	Within 100m	3	67914	40748.4	Sand	Proposed
62	PO SN_AR_ST_69B	SBS Nagar Sutlej 62	0.47	NA	More than 100m	3	21714	13028.4	Sand	Proposed
63	PO SN_AR_ST_70	SBS Nagar Sutlej 63	6.35	NA	Within 100m	3	293370	176022	Sand	Proposed
64	PO SN_AR_ST_71	SBS Nagar Sutlej 64	7.33	NA	More than 100m	3	338646	203187.6	Sand	Proposed
65	PO SN_AR_ST_71A	SBS Nagar Sutlej 65	1.02	NA	More than 200m	3	47124	28274.4	Sand	Proposed
66	PO SN_AR_ST_72	SBS Nagar Sutlej 66	24.09	NA	More than 100m	3	1112958	667774.8	Sand	Proposed
67	PO SN_AR_ST_81A	SBS Nagar Sutlej 67	0.81	NA	More than 100m	3	37908	22744.8	Sand	Proposed
68	PO SN_AR_ST_81C	SBS Nagar Sutlej 68	0.61	NA	More than 100m	3	28548	17128.8	Sand	Proposed
69	PO SN_AR_ST_81D	SBS Nagar Sutlej 69	0.34	NA	More than 100m	3	15912	9547.2	Sand	Proposed
70	PO SN_AR_ST_81F	SBS Nagar Sutlej 70	0.42	NA	More than 100m	3	19656	11793.6	Sand	Proposed
71	PO SN_AR_ST_82	SBS Nagar Sutlej 71	8.71	NA	More than 100m	2.51	341048.76	204629.256	Sand	Proposed
Total (Proposed)			308.38				10865146.52	6519087.912		

Note: The average depth for each potential sandbar has been mentioned in cross sections available on pages 94 to 167.

There is no Protected Area, Wildlife Sanctuary in district SBS Nagar (Source: DFO/Wildlife, Hoshiarpur, Division).

The sites PO_SN_NS_ST_34, PO_SN_AR_ST_71, PO_SN_AR_ST_81A, PO_SN_AR_ST_81C, PO_SN_AR_ST_81D & PO_SN_AR_ST_82 are recommended by Sub Divisional Committees, Nawanshahr



Enforcement & Monitoring Guidelines for Sand Mining

as Agricultural Sites Sl. No 03,17,16,16,16 & 8 respectively. These above-mentioned sites lie within the riverbed. So these sites be considered as recommended in river bed sites.

Patta Lands/Khatedari Land: (existing & proposed)

Owner	Sy.No	Area (Ha.)	District	Tehsil	Village	Total Reserve (MT) Considering Bulk Density	Total Mineral to be mined (MT) (Considering 60%)	Existing /Proposed
Binder Kumar Sarpanch & others(As per office record)	45//11,12,13/1,15,16,17/1,18,19,20/1,20/2,21/1,21/2,21/3,22/1,22/2,23,24, 25, 46/1,2/1,2/2,25,54//1,2/1,2/2,3,4/1,4/2,4/3,5/1,5/2,6,7/1,7/2,8/1,8/2,9,10,11,12,13,14,15,16,17,18,19,20/1,20/2,20/3,20/4,21/1,21/2,22,23,24,25,55//1,2,3/1,3/2,4,5/1,5/2,6/1,6/2,7/1,7/2,8,9/1,9/2,10/1,10/2,11,12,13,14/1,14/2, 5/1, 15/2,16/1,16/2,16/3,17/1,17/2,18,19,20,21,22,23,24/1,24/2,25/1,25/2,56//1/1,1/2,1/3,2/1,2/2,2/3,3,4,5,6,8,9,10,11,12/1,12/2,13/1,14/1,14/2,14/3,15/1,15/2,16/1,16/2,16/3,17/1,17/2, 18,19,20, 21/1, 21/2, 21/3,22,23,24/1,24/2,25/1,57//14,15,21,23,24,25/1,25/2,25/3,60//8,13,14,15,16,17,18,19,20,21,22, 23,24,25,61//1,2,3,4,5/1,5/2,5/3,6,7/1,7/2,8,9, 10,11,12,13,14/1,14/2,15/1,15/2,16/1,	95.48	SBS Nagar	Balachaur	Chandpur Rurki 366	48,69,480 (RBM)	29,21,688	Proposed



Enforcement & Monitoring Guidelines for Sand Mining

<p>Nirmal Singh SO Mahanga singh</p>	<p>14/25</p>	<p>0.40</p>	<p>SBS Nagar</p>	<p>Balachaur</p>	<p>Chandpur Rurki 366</p>	<p>20,400 (RBM)</p>	<p>12,240</p>	<p>Proposed</p>
<p>Kanta Devi WO Baldev Singh</p>	<p>64//10,11,20</p>	<p>5.40</p>	<p>SBS Nagar</p>	<p>Balachaur</p>	<p>Chandpur Rurki 366</p>	<p>2,75,400 (RBM)</p>	<p>165240</p>	<p>Proposed</p>
<p>Pardeep Kaur WO Santokh</p>	<p>54//3,4/1,4/2,4/3,5/1,5/2,7/1</p>	<p>1.40</p>	<p>SBS Nagar</p>	<p>Balachaur</p>	<p>Chandpur Rurki 366</p>	<p>71,400(RBM)</p>	<p>42,840</p>	<p>Proposed</p>



Enforcement & Monitoring Guidelines for Sand Mining

Singh										
Gurmail Singh SO Hakam Singh	46//24/2,25,55//5/1 86//9/1, 98//12,13,485	1.45	SBS Nagar	Balachaur	Chandpur Rurki 366		73,950(RBM)	44,370		Proposed
Ajaib Singh SO Tara Singh	10//15,16,17,24, 13//1,14//5,6,7,17/1	3.15	SBS Nagar	Balachaur	Chandpur Rurki 366		1,60,650(RBM)	96,390		Proposed
Shivay Sharma SS Trading Company	54//20/3,21/1	0.30	SBS Nagar	Balachaur	Majran Jattan 412		13,860(Sand)	8,316		Proposed
Total(Proposed)										
										107.58
										54,85,140
										32,91,084

De-Siltation Location: (Lakes/Ponds/Dams etc.) (Existing & proposed)

Name of Reservoir/Dams	Maintain/Controlled by State Govt./PSU etc.	Location	District	Tehsil	Village	Size (Ha)	Quantity MT / Year	Existing /Proposed
Sutlej	State Govt.	Brahmad Rail	SBS Nagar	Balachaur	Brahmad Rail	16.75	--	--
Sutlej	State Govt.	Mandhala	SBS Nagar	Nawanshahr	Mandhala 2	15.78	--	--
Sutlej	State Govt.	Behloor Khurd	SBS Nagar	Nawanshahr	Behloor Khurd	14.97	--	--
Sutlej	State Govt.	Phul Makori saidpur khurd	SBS Nagar	Nawanshahr	Phul Makori/Saidpur r Khurd	14.57	--	--
Sutlej	State Govt.	Saidpur Khurd	SBS Nagar	Nawanshahr	Saidpur Khurd	10.53	--	--
Total (Existing)						72.6	--	--

Note: The quantity of De-silting shall be assessed as per actual site conditions at the time of de-silting and got approved from the competent authority.



M-Sand Plants :(existing & proposed)

Plant Name	Owner	District	Tehsil	Village	Geo- location	Quantity Tonnes/Annum	Existing/Proposed
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Note: Out of the total recommended agriculture sites by sub divisional committees only 7 number of sites (6 in Chandpur Rurki & 1 in majra jattan) are recommended. All the other sites were not actually agriculture sites instead these sites actually falling in River bed. These sites were provided to consultant for identification of potential of these sites , but these sites found out to be falling in no mining zones, some of these sites did not had any potential for sand mining. Some of these sites were overlapping actually overlapping with the proposed river bed mining sites and the possible potential sand deposits have been already been considered in the in the river bed mining sites. Hence these sites were not included in the DSR of SBS Nagar. The detailed observations were attached in the DSR Report from page no.355 to 355C in a Report bearing Ref. No. REPL / GEN / 55 / 185 / 22 dated 18.01.2023.



Annexure-VI

Final Cluster & Contiguous Cluster details

Clusters:

River Name	Cluster No.	Lease No	Location (Riverbed Patta Land)	Village	Area (in Ha.)	Total Excavation (Ton)	Total Mineral Excavation (Ton) (Considering 60% as per EMGSM, 2020)
Sutlej	1	SBS Nagar Sutlej 03 to 04	Riverbed	-	3.87	181116	108669.6
	2	SBS Nagar Sutlej 06 to 11	Riverbed	-	57.18	2284326.72	1370596.032
	3	SBS Nagar Sutlej 12 to 18	Riverbed	-	26.99	1204575	722745
	4	SBS Nagar Sutlej 20 to 24	Riverbed	-	20.72	497327.6	298396.56
	5	SBS Nagar Sutlej 25 to 32	Riverbed	-	26.41	466989.12	280193.472
	6	SBS Nagar Sutlej 33 to 46	Riverbed	-	63.68	1408616.44	845169.864
	7	SBS Nagar Sutlej 47 to 66	Riverbed	-	78.84	3480905.12	2088543.072
	8	SBS Nagar Sutlej 67 to 71	Riverbed	-	10.89	443072.76	265843.656
Total(Riverbed)					288.58	9966928.76	5980157.256
	1	Chandpur Rurki 1-6	Patta Land	Chandpur Rurki	107.28	54,71,280	32,82,768
Total(Agriculture Site + Riverbed)					395.86	1,54,38,208.76	92,62,925.256

Contiguous Clusters:

River Name	Contiguous Cluster No.	Cluster No	Number of leases in the cluster	Location (Riverbed / Patta Land)	Distance between clusters	Village	Area Of Cluster (Ha)	Total Mineral Excavation (Ton)
Sutlej	NA	NA	NA	NA	NA	NA	NA	NA



Annexure-VII

Final Transportation Routes for individual leases and leases in Cluster

Lease No	Transportation Route No	Number of tipper s /day of lease	Number of tipper s /day of all the lease on route	Length of Route in KM	Type of Road (Black Topped/ unpaved)	Recommendation for road (Black Topped/ unpaved)	The road will be Constructed by Govt/ Lease Owner	Route Map & Location
SBS Nagar Sutlej 01	A-A'	23	NA	1.08	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 02	B-B'	115	NA	2.51	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 03	C-C'	16	NA	0.90	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 04	D-D'	17	NA	0.49	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 05	E-E'	10	NA	0.70	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 06	F-F'	59	NA	3.28	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 07	G-G'	78	NA	3.49	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 08	H-H'	144	NA	1.13	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 09	I-I'	60	NA	2.97	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 10	J-J'	31	NA	1.47	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 11	K-K'	41	NA	1.04	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

SBS Nagar Sutlej 12	L-L'	86	NA	0.58	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 13	M-M'	12	NA	0.83	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 14	N-N'	17	NA	1.33	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 15	O-O'	48	NA	0.13	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 16	P-P'	39	NA	0.26	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 17	Q-Q'	4	NA	0.11	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 18	R-R'	11	NA	3.47	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 19	S-S'	14	NA	2.98	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 20	T-T'	2	NA	6.22	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 21	U-U'	16	NA	0.50	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 22	V-V'	28	NA	0.65	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 23	W-W'	21	NA	0.55	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 24	X-X'	23	NA	0.84	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 25	Y-Y'	23	NA	2.41	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 26	Z-Z'	18	NA	0.43	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 27	AA-AA'	14	NA	1.87	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

SBS Nagar Sutlej 28	BB-BB'	9	NA	0.28	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 29	CC-CC'	2	NA	0.61	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 30	CC-CC'	2	NA	0.61	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 31	DD-DD'	9	NA	0.49	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 32	EE-EE'	7	NA	0.53	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 33	FF-FF'	5	NA	1.59	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 34	HH-HH'	8	NA	0.52	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 35	FF-FF'	2	NA	1.59	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 36	II-II'	19	NA	3.82	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 37	JJ-JJ'	43	NA	0.51	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 38	KK-KK'	7	NA	0.6	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 39	LL-LL'	2	NA	0.34	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 40	MM-MM'	2	NA	0.5	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 41	NN-NN'	4	NA	0.19	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 42	OO-OO'-PP'	34	NA	3.27	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 43	PP-OO'	7	NA	0.28	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

SBS Nagar Sutlej 44	QQ-QQ'	69	NA	0.35	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 45	RR-RR'	46	NA	1.08	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 46	SS-SS'	11	NA	0.53	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 47	TT-TT'	6	NA	0.59	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 48	UU-UU'	23	NA	1.3	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 49	VV-VV'	35	NA	.17	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 50	VV-VV'	40	NA	0.17	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 51	UU'-U'U'-	5	NA	1.84	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 52	WW-WW'	30	NA	0.26	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 53	XX-XX'	2	NA	0.24	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 54	YY-YY'	3	NA	0.05	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 55	ZZ-ZZ'	7	NA	0.07	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 56	AAA-AAA'	34	NA	1.52	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 57	BBB-BBB'	6	NA	0.83	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 58	BBB-BBB'	45	NA	0.83	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 59	CCC-CCC'	15	NA	0.53	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

SBS Nagar Sutlej 60	DDD-DDD'	38	NA	0.4	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 61	EEE-EEE'	12	NA	0.67	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 62	GGG-GGG'	4	NA	0.17	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 63	FFF-FFF'	53	NA	0.43	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 64	GGG-GGG'	61	NA	0.17	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 65	HHH-HHH'	8	NA	0.72	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 66	III-III'	200	NA	0.76	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 67	JJJ-JJJ'	7	NA	1.2	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 68	KKK-KKK'	5	NA	1.39	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 69	KKK-KKK'	3	NA	1.39	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 70	LLL-LLL'	4	NA	0.38	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 71	MMM-MMM'	61	NA	2.66	Unpaved	Unpaved	Lease Owner	Route Map attached
Total		1965						



Cluster:

Cluster No	Transportation Route No	Number of tipper s /day of cluster	Number of tipper s /day of all the clusters on Route	Length of Route in KM	Type Of Road (Black Topped/ Unpaved)	Recommendation for road(Black Topped/ unpaved)	The road will be Constructed by Govt/Lease Owner	Route Map & Location
SBS Nagar Sutlej 03 to 04	C-C' D-D'	33	NA	1.39	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 06 to 11	F-F' G-G' H-H' I-I' J-J' K-K'	411	NA	13.38	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 12 to 18	L-L' M-M' N-N' O-O' P-P' Q-Q' R-R'	217	NA	6.71	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 20 to 24	T-T' U-U' V-V' W-W' X-X'	90	NA	8.76	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 25 to 32	Y-Y' Z-Z' AA-AA' BB-BB' CC-CC' DD-DD' EE-EE'	84	NA	7.23	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 33 to 46	FF-FF' HH-HH' II-II' JJ-JJ' KK-KK' LL-LL'	257	NA	15.17	Unpaved	Unpaved	Lease Owner	Route Map attached



Enforcement & Monitoring Guidelines for Sand Mining

	MM-MM' NN-NN' OO-OO'-PP' PP-OO' QQ-QQ' RR-RR' SS-SS'							
SBS Nagar Sutlej 47 to 66	TT-TT' UU-UU' VV-VV' UU'-U'U'- WW-WW' XX-XX' YY-YY' ZZ-ZZ' AAA-AAA' BBB-BBB' CCC-CCC' DDD-DDD' EEE-EEE' GGG-GGG' FFF-FFF' HHH-HHH' III-III'	627	NA	11.72	Unpaved	Unpaved	Lease Owner	Route Map attached
SBS Nagar Sutlej 67 to 71	JJJ-JJJ' KKK-KKK' LLL-LLL' MMM- MMM'	80	NA	7.02	Unpaved	Unpaved	Lease Owner	Route Map attached
Total(Proposed)		1799						

Note: The above mention transportation routes are as per the present infrastructure, which may change according to the development/ identifications of new routes after temporary acquisition of land if required.



Annexure B
(Potential Sand Blocks on Sutlej River of SBS
District)

*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
PO_SN_BL_ST_01	1	30° 58' 47.261" N	76° 28' 55.115" E	BALACHAUR
	2	30° 58' 46.987" N	76° 28' 54.677" E	
	3	30° 58' 48.185" N	76° 28' 51.338" E	
	4	30° 58' 46.905" N	76° 28' 44.176" E	
	5	30° 58' 49.211" N	76° 28' 51.761" E	
	6	30° 58' 49.792" N	76° 28' 54.972" E	
	7	30° 58' 50.590" N	76° 28' 56.222" E	
	8	30° 58' 51.131" N	76° 28' 57.737" E	
	9	30° 58' 51.460" N	76° 28' 58.944" E	
	10	30° 58' 52.015" N	76° 29' 0.026" E	
	11	30° 58' 52.012" N	76° 29' 1.622" E	
	12	30° 58' 50.118" N	76° 29' 2.804" E	
	13	30° 58' 49.694" N	76° 29' 2.906" E	
PO_SN_BL_ST_03_04	1	30° 58' 45.692" N	76° 28' 6.223" E	BALACHAUR
	2	30° 58' 45.348" N	76° 27' 59.844" E	
	3	30° 58' 47.603" N	76° 27' 39.108" E	
	4	30° 58' 53.344" N	76° 27' 17.242" E	
	5	30° 58' 54.212" N	76° 27' 0.851" E	
	6	30° 58' 56.481" N	76° 27' 6.220" E	
	7	30° 58' 56.850" N	76° 27' 18.008" E	
	8	30° 58' 55.567" N	76° 27' 24.625" E	
	9	30° 58' 52.763" N	76° 27' 28.680" E	
	10	30° 58' 52.093" N	76° 27' 33.161" E	
	11	30° 58' 51.205" N	76° 27' 36.461" E	
	12	30° 58' 51.077" N	76° 27' 43.320" E	
	13	30° 58' 49.802" N	76° 27' 48.210" E	
	14	30° 58' 47.084" N	76° 27' 53.542" E	
PO_SN_BL_ST_4A	1	30° 58' 54.736" N	76° 26' 25.163" E	BALACHAUR
	2	30° 58' 54.097" N	76° 26' 25.677" E	
	3	30° 58' 51.309" N	76° 26' 22.125" E	
	4	30° 58' 49.940" N	76° 26' 20.969" E	
	5	30° 58' 49.991" N	76° 26' 19.541" E	
	6	30° 58' 51.117" N	76° 26' 19.420" E	
	7	30° 58' 51.539" N	76° 26' 19.456" E	
	8	30° 58' 52.043" N	76° 26' 19.670" E	
	9	30° 58' 52.418" N	76° 26' 18.877" E	
	10	30° 58' 52.669" N	76° 26' 17.957" E	
	11	30° 58' 52.941" N	76° 26' 17.829" E	
	12	30° 58' 53.777" N	76° 26' 17.639" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	13	30° 58' 54.305" N	76° 26' 17.641" E	
	14	30° 58' 54.875" N	76° 26' 20.261" E	
	15	30° 58' 54.805" N	76° 26' 22.425" E	
	16	30° 58' 55.043" N	76° 26' 23.326" E	
	17	30° 58' 54.987" N	76° 26' 23.903" E	
	1	30° 58' 47.198" N	76° 26' 4.914" E	
	2	30° 58' 47.094" N	76° 26' 5.377" E	
	3	30° 58' 46.349" N	76° 26' 4.271" E	
	4	30° 58' 45.502" N	76° 26' 3.280" E	
	5	30° 58' 44.524" N	76° 26' 2.439" E	
	6	30° 58' 43.899" N	76° 26' 1.941" E	
	7	30° 58' 43.105" N	76° 26' 1.175" E	
	8	30° 58' 42.715" N	76° 26' 0.379" E	
	9	30° 58' 41.677" N	76° 25' 59.214" E	
	10	30° 58' 41.318" N	76° 25' 59.028" E	
	11	30° 58' 41.145" N	76° 25' 58.589" E	
	12	30° 58' 41.257" N	76° 25' 57.844" E	
	13	30° 58' 41.834" N	76° 25' 57.946" E	
	14	30° 58' 42.141" N	76° 25' 58.435" E	
	15	30° 58' 42.822" N	76° 25' 59.351" E	
	16	30° 58' 43.303" N	76° 25' 59.016" E	
PO_SN_BL_ST_4B	17	30° 58' 42.980" N	76° 25' 58.265" E	BALACHAUR
	18	30° 58' 42.528" N	76° 25' 57.988" E	
	19	30° 58' 42.374" N	76° 25' 57.535" E	
	20	30° 58' 42.288" N	76° 25' 56.722" E	
	21	30° 58' 42.229" N	76° 25' 56.152" E	
	22	30° 58' 42.123" N	76° 25' 55.542" E	
	23	30° 58' 42.119" N	76° 25' 54.719" E	
	24	30° 58' 42.294" N	76° 25' 53.457" E	
	25	30° 58' 42.256" N	76° 25' 52.722" E	
	26	30° 58' 42.482" N	76° 25' 52.421" E	
	27	30° 58' 42.794" N	76° 25' 52.484" E	
	28	30° 58' 44.136" N	76° 25' 56.256" E	
	29	30° 58' 44.647" N	76° 25' 58.890" E	
	30	30° 58' 45.319" N	76° 26' 0.140" E	
	31	30° 58' 45.961" N	76° 26' 0.500" E	
	32	30° 58' 46.620" N	76° 26' 1.565" E	
	33	30° 58' 46.992" N	76° 26' 2.768" E	
PO_SN_BL_ST_05	1	30° 58' 22.289" N	76° 25' 5.057" E	BALACHAUR



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	2	30° 58' 25.298" N	76° 25' 19.815" E	
	3	30° 58' 23.026" N	76° 25' 18.807" E	
PO_SN_BL_ST_06_07	1	30° 58' 11.052" N	76° 21' 44.302" E	BALACHAUR
	2	30° 58' 9.889" N	76° 21' 40.644" E	
	3	30° 58' 11.014" N	76° 21' 34.101" E	
	4	30° 58' 12.946" N	76° 21' 31.440" E	
	5	30° 58' 14.416" N	76° 21' 30.644" E	
	6	30° 58' 14.981" N	76° 21' 31.060" E	
	7	30° 58' 15.765" N	76° 21' 30.546" E	
	8	30° 58' 16.767" N	76° 21' 28.644" E	
	9	30° 58' 19.746" N	76° 21' 25.666" E	
	10	30° 58' 22.531" N	76° 21' 22.003" E	
	11	30° 58' 22.626" N	76° 21' 20.670" E	
	12	30° 58' 24.455" N	76° 21' 17.584" E	
	13	30° 58' 26.726" N	76° 21' 16.025" E	
	14	30° 58' 28.526" N	76° 21' 15.581" E	
	15	30° 58' 29.258" N	76° 21' 16.028" E	
	16	30° 58' 29.381" N	76° 21' 18.013" E	
	17	30° 58' 13.751" N	76° 21' 38.142" E	
PO_SN_BL_ST_08	1	30° 58' 35.224" N	76° 21' 9.936" E	BALACHAUR
	2	30° 58' 32.456" N	76° 21' 13.763" E	
	3	30° 58' 29.380" N	76° 21' 14.035" E	
	4	30° 58' 27.637" N	76° 21' 14.029" E	
	5	30° 58' 25.490" N	76° 21' 13.732" E	
	6	30° 58' 22.616" N	76° 21' 15.253" E	
	7	30° 58' 21.029" N	76° 21' 16.707" E	
	8	30° 58' 20.124" N	76° 21' 17.085" E	
	9	30° 58' 18.635" N	76° 21' 17.162" E	
	10	30° 58' 32.739" N	76° 21' 0.021" E	
	11	30° 58' 34.363" N	76° 20' 58.398" E	
	12	30° 58' 34.300" N	76° 21' 1.015" E	
	13	30° 58' 34.887" N	76° 21' 5.005" E	
	14	30° 58' 34.892" N	76° 21' 8.395" E	
PO_SN_BL_ST_09	1	30° 58' 48.654" N	76° 21' 0.459" E	BALACHAUR
	2	30° 58' 36.779" N	76° 21' 8.814" E	
	3	30° 58' 36.941" N	76° 21' 7.525" E	
	4	30° 58' 37.449" N	76° 21' 5.902" E	
	5	30° 58' 37.115" N	76° 21' 3.229" E	
	6	30° 58' 36.429" N	76° 21' 0.604" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	7	30° 58' 36.711" N	76° 20' 57.804" E	
	8	30° 58' 37.639" N	76° 20' 55.970" E	
	9	30° 58' 42.619" N	76° 20' 51.157" E	
	10	30° 58' 50.854" N	76° 20' 49.844" E	
	11	30° 58' 53.006" N	76° 20' 49.769" E	
	12	30° 58' 55.643" N	76° 20' 48.882" E	
	13	30° 58' 57.821" N	76° 20' 47.727" E	
	14	30° 58' 59.745" N	76° 20' 47.380" E	
	15	30° 59' 1.165" N	76° 20' 47.430" E	
PO_SN_BL_ST_10	1	30° 58' 50.162" N	76° 20' 45.623" E	BALACHAUR
	2	30° 58' 54.316" N	76° 20' 42.754" E	
	3	30° 58' 58.914" N	76° 20' 36.548" E	
	4	30° 59' 0.704" N	76° 20' 33.121" E	
	5	30° 59' 2.561" N	76° 20' 31.428" E	
	6	30° 59' 3.126" N	76° 20' 29.786" E	
	7	30° 59' 4.467" N	76° 20' 27.514" E	
	8	30° 59' 5.263" N	76° 20' 26.865" E	
	9	30° 59' 5.978" N	76° 20' 26.821" E	
	10	30° 59' 7.817" N	76° 20' 30.986" E	
	11	30° 59' 7.559" N	76° 20' 33.088" E	
	12	30° 59' 5.779" N	76° 20' 35.453" E	
	13	30° 59' 2.401" N	76° 20' 37.997" E	
	14	30° 59' 2.364" N	76° 20' 38.037" E	
	15	30° 58' 59.602" N	76° 20' 41.473" E	
	16	30° 58' 57.650" N	76° 20' 43.088" E	
	17	30° 58' 56.551" N	76° 20' 45.002" E	
	18	30° 58' 55.211" N	76° 20' 45.461" E	
	19	30° 58' 53.814" N	76° 20' 45.177" E	
	20	30° 58' 52.138" N	76° 20' 44.727" E	
PO_SN_BL_ST_11	1	30° 59' 2.444" N	76° 20' 29.791" E	BALACHAUR
	2	30° 59' 5.162" N	76° 20' 24.589" E	
	3	30° 59' 9.991" N	76° 20' 5.864" E	
	4	30° 59' 10.064" N	76° 20' 4.311" E	
	5	30° 59' 12.393" N	76° 20' 7.535" E	
	6	30° 59' 12.333" N	76° 20' 9.493" E	
	7	30° 59' 9.598" N	76° 20' 16.851" E	
	8	30° 59' 9.459" N	76° 20' 17.895" E	
	9	30° 59' 7.325" N	76° 20' 21.466" E	
	10	30° 59' 6.634" N	76° 20' 23.141" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	11	30° 59' 6.350" N	76° 20' 24.696" E	
	12	30° 59' 5.177" N	76° 20' 25.638" E	
PO_SN_BL_ST_12_13	1	30° 59' 14.755" N	76° 20' 1.164" E	BALACHAUR
	2	30° 59' 13.585" N	76° 20' 1.176" E	
	3	30° 59' 12.028" N	76° 20' 0.341" E	
	4	30° 59' 10.812" N	76° 19' 59.094" E	
	5	30° 59' 10.764" N	76° 19' 59.002" E	
	6	30° 59' 10.469" N	76° 19' 55.682" E	
	7	30° 59' 10.472" N	76° 19' 55.606" E	
	8	30° 59' 11.146" N	76° 19' 54.151" E	
	9	30° 59' 11.019" N	76° 19' 52.335" E	
	10	30° 59' 11.401" N	76° 19' 49.414" E	
	11	30° 59' 11.825" N	76° 19' 48.200" E	
	12	30° 59' 12.280" N	76° 19' 48.085" E	
	13	30° 59' 12.842" N	76° 19' 48.936" E	
	14	30° 59' 13.180" N	76° 19' 48.151" E	
	15	30° 59' 13.127" N	76° 19' 46.415" E	
	16	30° 59' 14.378" N	76° 19' 43.859" E	
	17	30° 59' 14.323" N	76° 19' 42.571" E	
	18	30° 59' 13.997" N	76° 19' 41.117" E	
	19	30° 59' 13.869" N	76° 19' 40.166" E	
	20	30° 59' 21.077" N	76° 19' 39.601" E	
	21	30° 59' 23.221" N	76° 19' 39.873" E	
	22	30° 59' 19.235" N	76° 19' 48.612" E	
	23	30° 59' 18.017" N	76° 19' 50.075" E	
	24	30° 59' 17.370" N	76° 19' 51.276" E	
	25	30° 59' 16.304" N	76° 19' 53.597" E	
	26	30° 59' 15.672" N	76° 19' 55.759" E	
	27	30° 59' 15.620" N	76° 19' 57.061" E	
	28	30° 59' 15.249" N	76° 19' 58.184" E	
	29	30° 59' 15.060" N	76° 19' 59.556" E	
PO_SN_BL_ST_14	1	31° 0' 20.508" N	76° 18' 9.487" E	BALACHAUR
	2	31° 0' 20.893" N	76° 18' 8.994" E	
	3	31° 0' 20.765" N	76° 18' 9.273" E	
	4	31° 0' 20.508" N	76° 18' 9.487" E	
	5	31° 0' 20.508" N	76° 18' 9.487" E	
	6	31° 0' 20.337" N	76° 18' 9.808" E	
	7	31° 0' 19.758" N	76° 18' 10.365" E	
	8	31° 0' 19.373" N	76° 18' 10.515" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK		
	9	31° 0' 18.174" N	76° 18' 10.943" E			
	10	31° 0' 17.938" N	76° 18' 11.071" E			
	11	31° 0' 17.788" N	76° 18' 11.221" E			
	12	31° 0' 17.553" N	76° 18' 11.307" E			
	13	31° 0' 17.231" N	76° 18' 11.307" E			
	14	31° 0' 16.803" N	76° 18' 11.371" E			
	15	31° 0' 16.439" N	76° 18' 11.393" E			
	16	31° 0' 15.390" N	76° 18' 11.393" E			
	17	31° 0' 14.833" N	76° 18' 11.628" E			
	18	31° 0' 14.354" N	76° 18' 11.794" E			
	19	31° 0' 14.572" N	76° 18' 5.703" E			
	20	31° 0' 16.783" N	76° 18' 5.038" E			
	21	31° 0' 22.175" N	76° 17' 52.493" E			
	22	31° 0' 22.778" N	76° 17' 51.688" E			
	23	31° 0' 24.450" N	76° 17' 51.609" E			
	24	31° 0' 25.977" N	76° 17' 51.830" E			
	25	31° 0' 27.532" N	76° 17' 52.300" E			
	26	31° 0' 29.864" N	76° 17' 52.172" E			
	27	31° 0' 26.889" N	76° 17' 58.077" E			
	28	31° 0' 19.601" N	76° 18' 8.758" E			
	PO_SN_BL_ST_15	1	31° 0' 28.396" N		76° 17' 43.740" E	BALACHAUR
		2	31° 0' 28.103" N		76° 17' 43.488" E	
		3	31° 0' 29.325" N		76° 17' 40.724" E	
		4	31° 0' 30.100" N		76° 17' 40.608" E	
		5	31° 0' 30.489" N		76° 17' 40.651" E	
		6	31° 0' 31.022" N		76° 17' 40.803" E	
		7	31° 0' 31.912" N		76° 17' 40.817" E	
		8	31° 0' 32.802" N		76° 17' 41.118" E	
9		31° 0' 33.734" N	76° 17' 41.124" E			
10		31° 0' 34.170" N	76° 17' 41.621" E			
11		31° 0' 34.630" N	76° 17' 42.562" E			
12		31° 0' 34.116" N	76° 17' 43.020" E			
13		31° 0' 33.238" N	76° 17' 43.753" E			
14		31° 0' 32.011" N	76° 17' 44.161" E			
15		31° 0' 29.989" N	76° 17' 44.200" E			
PO_SN_BL_ST_15 A	1	31° 0' 35.061" N	76° 17' 30.923" E	BALACHAUR		
	2	31° 0' 34.888" N	76° 17' 32.928" E			
	3	31° 0' 35.290" N	76° 17' 35.907" E			
	4	31° 0' 34.893" N	76° 17' 36.332" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK		
	5	31° 0' 33.514" N	76° 17' 36.191" E			
	6	31° 0' 32.671" N	76° 17' 35.805" E			
	7	31° 0' 31.917" N	76° 17' 35.693" E			
	8	31° 0' 31.709" N	76° 17' 35.961" E			
	9	31° 0' 31.196" N	76° 17' 36.489" E			
	10	31° 0' 39.242" N	76° 17' 19.982" E			
	11	31° 0' 40.833" N	76° 17' 11.303" E			
	12	31° 0' 41.289" N	76° 17' 14.407" E			
	13	31° 0' 41.263" N	76° 17' 15.480" E			
	14	31° 0' 40.851" N	76° 17' 17.413" E			
	15	31° 0' 40.422" N	76° 17' 21.007" E			
	16	31° 0' 39.912" N	76° 17' 22.527" E			
	17	31° 0' 38.809" N	76° 17' 23.817" E			
	18	31° 0' 37.405" N	76° 17' 26.395" E			
	19	31° 0' 36.033" N	76° 17' 28.557" E			
	PO_SN_BL_ST_16	1	31° 0' 42.562" N		76° 17' 7.705" E	BALACHAUR
		2	31° 0' 42.444" N		76° 17' 6.292" E	
		3	31° 0' 44.647" N		76° 17' 1.960" E	
		4	31° 0' 45.326" N		76° 17' 1.272" E	
5		31° 0' 46.046" N	76° 17' 0.812" E			
6		31° 0' 46.490" N	76° 17' 0.043" E			
7		31° 0' 47.612" N	76° 16' 59.127" E			
8		31° 0' 47.218" N	76° 17' 2.951" E			
9		31° 0' 45.039" N	76° 17' 9.022" E			
10		31° 0' 44.290" N	76° 17' 9.735" E			
11		31° 0' 43.439" N	76° 17' 9.715" E			
12		31° 0' 43.033" N	76° 17' 8.984" E			
PO_SN_BL_ST_17	1	31° 0' 43.893" N	76° 16' 56.130" E	BALACHAUR		
	2	31° 0' 43.552" N	76° 16' 55.970" E			
	3	31° 0' 43.701" N	76° 16' 55.130" E			
	4	31° 0' 44.012" N	76° 16' 44.821" E			
	5	31° 0' 47.110" N	76° 16' 38.473" E			
	6	31° 0' 47.925" N	76° 16' 36.347" E			
	7	31° 0' 50.204" N	76° 16' 40.690" E			
	8	31° 0' 50.817" N	76° 16' 43.163" E			
	9	31° 0' 50.814" N	76° 16' 44.025" E			
	10	31° 0' 49.720" N	76° 16' 47.168" E			
	11	31° 0' 49.022" N	76° 16' 48.595" E			
	12	31° 0' 48.074" N	76° 16' 49.946" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	13	31° 0' 45.759" N	76° 16' 52.109" E	
PO_SN_BL_ST_19	1	31° 0' 49.162" N	76° 16' 33.731" E	BALACHAUR
	2	31° 0' 49.098" N	76° 16' 33.288" E	
	3	31° 0' 51.214" N	76° 16' 27.767" E	
	4	31° 0' 52.676" N	76° 16' 26.395" E	
	5	31° 0' 54.124" N	76° 16' 25.314" E	
	6	31° 0' 55.634" N	76° 16' 24.698" E	
	7	31° 0' 56.192" N	76° 16' 23.656" E	
	8	31° 0' 56.640" N	76° 16' 20.882" E	
	9	31° 0' 57.355" N	76° 16' 21.704" E	
	10	31° 0' 57.059" N	76° 16' 27.443" E	
	11	31° 0' 55.937" N	76° 16' 31.296" E	
	12	31° 0' 55.084" N	76° 16' 31.913" E	
	13	31° 0' 52.898" N	76° 16' 34.841" E	
	14	31° 0' 51.762" N	76° 16' 36.301" E	
	15	31° 0' 51.350" N	76° 16' 37.363" E	
	16	31° 0' 50.324" N	76° 16' 35.642" E	
	17	31° 0' 49.576" N	76° 16' 34.599" E	
PO_SN_BL_ST_20	1	31° 0' 52.012" N	76° 16' 24.899" E	BALACHAUR
	2	31° 0' 52.960" N	76° 16' 21.304" E	
	3	31° 0' 54.150" N	76° 16' 21.050" E	
	4	31° 0' 54.983" N	76° 16' 20.508" E	
	5	31° 0' 55.641" N	76° 16' 20.616" E	
	6	31° 0' 55.525" N	76° 16' 21.316" E	
	7	31° 0' 54.796" N	76° 16' 22.432" E	
	8	31° 0' 53.908" N	76° 16' 23.103" E	
	9	31° 0' 52.759" N	76° 16' 24.375" E	
PO_SN_BL_ST_22	1	31° 0' 59.198" N	76° 16' 12.359" E	BALACHAUR
	2	31° 0' 59.410" N	76° 16' 11.496" E	
	3	31° 0' 59.941" N	76° 16' 11.426" E	
	4	31° 1' 1.778" N	76° 16' 14.126" E	
	5	31° 1' 2.640" N	76° 16' 16.118" E	
	6	31° 1' 2.657" N	76° 16' 17.289" E	
	7	31° 1' 1.690" N	76° 16' 19.033" E	
	8	31° 1' 0.872" N	76° 16' 18.821" E	
	9	31° 1' 0.170" N	76° 16' 18.273" E	
PO_SN_BL_ST_27	1	31° 0' 45.319" N	76° 15' 16.100" E	BALACHAUR
	2	31° 0' 45.267" N	76° 15' 15.214" E	
	3	31° 0' 46.866" N	76° 15' 14.191" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK		
	4	31° 0' 48.777" N	76° 15' 15.586" E			
	5	31° 0' 48.960" N	76° 15' 15.874" E			
	6	31° 0' 49.335" N	76° 15' 16.964" E			
	7	31° 0' 49.463" N	76° 15' 18.099" E			
	8	31° 0' 49.997" N	76° 15' 19.774" E			
	9	31° 0' 50.511" N	76° 15' 20.662" E			
	10	31° 0' 50.796" N	76° 15' 22.602" E			
	11	31° 0' 50.820" N	76° 15' 24.069" E			
	12	31° 0' 50.739" N	76° 15' 24.634" E			
	13	31° 0' 49.706" N	76° 15' 23.872" E			
	14	31° 0' 48.000" N	76° 15' 22.081" E			
	PO_SN_NS_ST_28	1	31° 0' 27.133" N		76° 12' 59.359" E	NAWASHAHR
		2	31° 0' 27.845" N		76° 12' 58.369" E	
		3	31° 0' 29.005" N		76° 12' 57.487" E	
4		31° 0' 30.517" N	76° 12' 56.960" E			
5		31° 0' 30.536" N	76° 12' 58.351" E			
6		31° 0' 29.716" N	76° 13' 1.160" E			
7		31° 0' 28.986" N	76° 13' 2.760" E			
8		31° 0' 27.460" N	76° 13' 3.722" E			
PO_SN_NS_ST_28 A	1	31° 0' 30.078" N	76° 12' 55.674" E	NAWASHAHR		
	2	31° 0' 28.040" N	76° 12' 56.797" E			
	3	31° 0' 29.515" N	76° 12' 53.056" E			
	4	31° 0' 34.003" N	76° 12' 43.639" E			
	5	31° 0' 35.594" N	76° 12' 35.244" E			
	6	31° 0' 35.700" N	76° 12' 33.545" E			
	7	31° 0' 36.533" N	76° 12' 35.100" E			
	8	31° 0' 37.145" N	76° 12' 40.212" E			
	9	31° 0' 36.951" N	76° 12' 45.742" E			
	10	31° 0' 35.723" N	76° 12' 47.658" E			
	11	31° 0' 34.803" N	76° 12' 49.350" E			
	12	31° 0' 33.285" N	76° 12' 51.317" E			
	13	31° 0' 31.720" N	76° 12' 53.811" E			
PO_SN_NS_ST_30	1	31° 0' 36.963" N	76° 12' 31.243" E	NAWASHAHR		
	2	31° 0' 36.536" N	76° 12' 29.250" E			
	3	31° 0' 37.439" N	76° 12' 27.124" E			
	4	31° 0' 38.632" N	76° 12' 25.552" E			
	5	31° 0' 39.609" N	76° 12' 23.375" E			
	6	31° 0' 42.937" N	76° 12' 26.808" E			
	7	31° 0' 42.985" N	76° 12' 27.779" E			



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	8	31° 0' 43.902" N	76° 12' 32.159" E	
	9	31° 0' 43.821" N	76° 12' 33.179" E	
	10	31° 0' 42.825" N	76° 12' 35.363" E	
	11	31° 0' 40.970" N	76° 12' 35.800" E	
	12	31° 0' 40.345" N	76° 12' 35.897" E	
	13	31° 0' 38.463" N	76° 12' 33.582" E	
PO_SN_NS_ST_31_33	1	31° 0' 37.457" N	76° 12' 21.385" E	NAWASHAHR
	2	31° 0' 36.343" N	76° 12' 25.613" E	
	3	31° 0' 36.900" N	76° 12' 20.449" E	
	4	31° 0' 33.230" N	76° 12' 13.347" E	
	5	31° 0' 26.198" N	76° 12' 2.769" E	
	6	31° 0' 19.860" N	76° 11' 56.368" E	
	7	31° 0' 17.589" N	76° 11' 54.110" E	
	8	31° 0' 17.812" N	76° 11' 54.057" E	
	9	31° 0' 18.242" N	76° 11' 53.424" E	
	10	31° 0' 18.234" N	76° 11' 51.352" E	
	11	31° 0' 18.356" N	76° 11' 50.746" E	
	12	31° 0' 18.648" N	76° 11' 50.676" E	
	13	31° 0' 18.861" N	76° 11' 51.074" E	
	14	31° 0' 20.812" N	76° 11' 52.463" E	
	15	31° 0' 23.115" N	76° 11' 54.925" E	
	16	31° 0' 25.869" N	76° 12' 1.791" E	
	17	31° 0' 27.062" N	76° 12' 2.856" E	
	18	31° 0' 27.180" N	76° 12' 3.860" E	
	19	31° 0' 27.868" N	76° 12' 5.105" E	
	20	31° 0' 30.614" N	76° 12' 8.269" E	
	21	31° 0' 35.903" N	76° 12' 15.355" E	
	22	31° 0' 36.903" N	76° 12' 17.414" E	
	23	31° 0' 36.999" N	76° 12' 19.297" E	
PO_SN_NS_ST_32	1	31° 0' 18.273" N	76° 11' 49.162" E	NAWASHAHR
	2	31° 0' 17.953" N	76° 11' 48.849" E	
	3	31° 0' 18.590" N	76° 11' 44.284" E	
	4	31° 0' 19.638" N	76° 11' 44.464" E	
	5	31° 0' 21.200" N	76° 11' 45.764" E	
	6	31° 0' 22.355" N	76° 11' 46.514" E	
	7	31° 0' 23.955" N	76° 11' 47.838" E	
	8	31° 0' 24.130" N	76° 11' 48.292" E	
	9	31° 0' 24.692" N	76° 11' 49.402" E	
	10	31° 0' 28.245" N	76° 11' 54.975" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	11	31° 0' 28.978" N	76° 11' 57.457" E	
	12	31° 0' 29.927" N	76° 11' 59.242" E	
	13	31° 0' 31.763" N	76° 12' 5.347" E	
	14	31° 0' 29.660" N	76° 12' 4.828" E	
	15	31° 0' 27.531" N	76° 12' 1.211" E	
	16	31° 0' 26.698" N	76° 11' 59.398" E	
	17	31° 0' 26.099" N	76° 11' 57.454" E	
	18	31° 0' 24.787" N	76° 11' 54.520" E	
	19	31° 0' 23.639" N	76° 11' 52.880" E	
	20	31° 0' 21.070" N	76° 11' 51.459" E	
	21	31° 0' 20.296" N	76° 11' 50.376" E	
PO_SN_NS_ST_34	1	30° 59' 57.849" N	76° 10' 51.954" E	NAWASHAHR
	2	30° 59' 54.887" N	76° 10' 47.235" E	
	3	30° 59' 53.746" N	76° 10' 46.468" E	
	4	30° 59' 53.497" N	76° 10' 45.505" E	
	5	30° 59' 53.867" N	76° 10' 43.575" E	
	6	30° 59' 54.863" N	76° 10' 42.434" E	
	7	30° 59' 56.315" N	76° 10' 42.144" E	
	8	30° 59' 57.144" N	76° 10' 41.813" E	
	9	30° 59' 57.584" N	76° 10' 41.203" E	
	10	30° 59' 57.311" N	76° 10' 39.427" E	
	11	30° 59' 57.273" N	76° 10' 37.452" E	
	12	30° 59' 57.096" N	76° 10' 36.290" E	
	13	30° 59' 58.838" N	76° 10' 35.112" E	
	14	30° 59' 59.854" N	76° 10' 36.088" E	
	15	31° 0' 0.080" N	76° 10' 37.639" E	
	16	31° 0' 1.169" N	76° 10' 40.743" E	
	17	31° 0' 2.159" N	76° 10' 47.644" E	
18	31° 0' 2.944" N	76° 10' 48.875" E		
19	31° 0' 3.395" N	76° 10' 50.823" E		
20	31° 0' 3.956" N	76° 10' 54.193" E		
21	31° 0' 3.864" N	76° 10' 56.855" E		
22	31° 0' 3.469" N	76° 10' 58.089" E		
23	31° 0' 2.440" N	76° 10' 59.033" E		
24	31° 0' 1.627" N	76° 11' 1.663" E		
25	31° 0' 0.340" N	76° 11' 2.250" E		
26	31° 0' 0.035" N	76° 11' 2.185" E		
27	30° 59' 59.097" N	76° 10' 58.591" E		
28	30° 59' 58.621" N	76° 10' 53.968" E		



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
PO_SN_NS_ST_35	1	30° 59' 53.142" N	76° 11' 1.461" E	NAWASHAHR
	2	30° 59' 52.713" N	76° 10' 59.699" E	
	3	30° 59' 52.765" N	76° 10' 57.920" E	
	4	30° 59' 53.065" N	76° 10' 56.275" E	
	5	30° 59' 53.864" N	76° 10' 55.133" E	
	6	30° 59' 54.512" N	76° 10' 52.543" E	
	7	30° 59' 55.192" N	76° 10' 53.120" E	
	8	30° 59' 55.576" N	76° 10' 54.152" E	
	9	30° 59' 55.912" N	76° 10' 57.478" E	
	10	30° 59' 56.185" N	76° 10' 59.353" E	
	11	30° 59' 56.825" N	76° 11' 1.644" E	
	12	30° 59' 56.851" N	76° 11' 2.421" E	
	13	30° 59' 56.490" N	76° 11' 4.043" E	
	14	30° 59' 55.568" N	76° 11' 3.977" E	
	15	30° 59' 54.235" N	76° 11' 2.839" E	
PO_SN_NS_ST_36	1	30° 59' 47.471" N	76° 10' 20.700" E	NAWASHAHR
	2	30° 59' 47.464" N	76° 10' 19.884" E	
	3	30° 59' 48.008" N	76° 10' 18.897" E	
	4	30° 59' 49.426" N	76° 10' 17.427" E	
	5	30° 59' 50.436" N	76° 10' 16.818" E	
	6	30° 59' 52.005" N	76° 10' 15.479" E	
	7	30° 59' 52.292" N	76° 10' 17.167" E	
	8	30° 59' 52.141" N	76° 10' 18.744" E	
	9	30° 59' 51.749" N	76° 10' 20.263" E	
	10	30° 59' 48.560" N	76° 10' 23.662" E	
	11	30° 59' 48.332" N	76° 10' 22.890" E	
	12	30° 59' 47.963" N	76° 10' 22.329" E	
	13	30° 59' 47.849" N	76° 10' 21.388" E	
PO_SN_NS_ST_37	1	30° 59' 42.557" N	76° 10' 11.753" E	NAWASHAHR
	2	30° 59' 38.204" N	76° 9' 56.927" E	
	3	30° 59' 39.971" N	76° 9' 59.240" E	
	4	30° 59' 40.836" N	76° 10' 1.791" E	
	5	30° 59' 41.773" N	76° 10' 5.462" E	
	6	30° 59' 42.502" N	76° 10' 7.208" E	
	7	30° 59' 43.451" N	76° 10' 8.919" E	
	8	30° 59' 43.934" N	76° 10' 10.600" E	
	9	30° 59' 45.458" N	76° 10' 11.566" E	
	10	30° 59' 47.932" N	76° 10' 11.483" E	
	11	30° 59' 48.754" N	76° 10' 12.311" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	12	30° 59' 47.430" N	76° 10' 13.909" E	
	13	30° 59' 46.118" N	76° 10' 17.781" E	
	14	30° 59' 46.049" N	76° 10' 18.111" E	
PO_SN_NS_ST_37 A	1	30° 59' 41.888" N	76° 9' 57.989" E	NAWASHAHR
	2	30° 59' 41.499" N	76° 9' 56.253" E	
	3	30° 59' 42.866" N	76° 9' 56.604" E	
	4	30° 59' 44.534" N	76° 9' 58.297" E	
	5	30° 59' 45.576" N	76° 10' 0.507" E	
	6	30° 59' 46.317" N	76° 10' 2.416" E	
	7	30° 59' 45.907" N	76° 10' 3.084" E	
	8	30° 59' 44.943" N	76° 10' 2.361" E	
	9	30° 59' 43.600" N	76° 10' 1.149" E	
	10	30° 59' 42.740" N	76° 9' 59.315" E	
PO_SN_NS_ST_38	1	30° 59' 44.458" N	76° 9' 55.719" E	NAWASHAHR
	2	30° 59' 43.231" N	76° 9' 54.840" E	
	3	30° 59' 42.267" N	76° 9' 53.802" E	
	4	30° 59' 42.168" N	76° 9' 52.439" E	
	5	30° 59' 43.226" N	76° 9' 49.183" E	
	6	30° 59' 43.498" N	76° 9' 49.235" E	
	7	30° 59' 43.449" N	76° 9' 50.324" E	
	8	30° 59' 45.791" N	76° 9' 57.391" E	
	9	30° 59' 45.215" N	76° 9' 56.381" E	
PO_SN_NS_ST_39	1	30° 59' 37.175" N	76° 9' 34.788" E	NAWASHAHR
	2	30° 59' 36.970" N	76° 9' 33.512" E	
	3	30° 59' 37.203" N	76° 9' 30.371" E	
	4	30° 59' 39.229" N	76° 9' 24.927" E	
	5	30° 59' 39.784" N	76° 9' 24.051" E	
	6	30° 59' 41.894" N	76° 9' 30.917" E	
	7	30° 59' 42.380" N	76° 9' 33.935" E	
	8	30° 59' 42.571" N	76° 9' 34.374" E	
	9	30° 59' 43.058" N	76° 9' 36.983" E	
	10	30° 59' 43.470" N	76° 9' 42.431" E	
	11	30° 59' 42.358" N	76° 9' 41.416" E	
	12	30° 59' 40.497" N	76° 9' 40.386" E	
	13	30° 59' 38.750" N	76° 9' 38.283" E	
PO_SN_NS_ST_40	1	30° 59' 31.535" N	76° 9' 22.441" E	NAWASHAHR
	2	30° 59' 32.533" N	76° 9' 22.044" E	
	3	30° 59' 33.853" N	76° 9' 21.448" E	
	4	30° 59' 35.150" N	76° 9' 20.786" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	5	30° 59' 36.421" N	76° 9' 20.058" E	
	6	30° 59' 38.127" N	76° 9' 18.948" E	
	7	30° 59' 38.260" N	76° 9' 19.352" E	
	8	30° 59' 37.852" N	76° 9' 20.761" E	
	9	30° 59' 36.745" N	76° 9' 22.400" E	
	10	30° 59' 35.774" N	76° 9' 22.919" E	
	11	30° 59' 32.392" N	76° 9' 24.150" E	
	12	30° 59' 31.997" N	76° 9' 23.328" E	
PO_SN_NS_ST_45	1	30° 59' 11.352" N	76° 8' 7.101" E	NAWASHAHR
	2	30° 59' 10.923" N	76° 8' 5.788" E	
	3	30° 59' 11.295" N	76° 8' 3.996" E	
	4	30° 59' 12.224" N	76° 8' 2.356" E	
	5	30° 59' 13.166" N	76° 8' 1.476" E	
	6	30° 59' 14.497" N	76° 8' 1.322" E	
	7	30° 59' 15.497" N	76° 8' 1.439" E	
	8	30° 59' 16.467" N	76° 8' 1.874" E	
	9	30° 59' 16.548" N	76° 8' 2.271" E	
	10	30° 59' 14.283" N	76° 8' 7.366" E	
	11	30° 59' 14.205" N	76° 8' 7.822" E	
	12	30° 59' 13.022" N	76° 8' 8.401" E	
	13	30° 59' 11.999" N	76° 8' 8.234" E	
	14	30° 59' 11.383" N	76° 8' 7.119" E	
PO_SN_NS_ST_48	1	30° 59' 12.942" N	76° 7' 59.784" E	NAWASHAHR
	2	30° 59' 13.009" N	76° 7' 59.244" E	
	3	30° 59' 13.372" N	76° 7' 58.136" E	
	4	30° 59' 13.547" N	76° 7' 57.208" E	
	5	30° 59' 13.947" N	76° 7' 56.409" E	
	6	30° 59' 14.481" N	76° 7' 56.025" E	
	7	30° 59' 14.646" N	76° 7' 58.143" E	
	8	30° 59' 14.831" N	76° 7' 59.203" E	
	9	30° 59' 14.943" N	76° 7' 59.299" E	
	10	30° 59' 15.658" N	76° 7' 58.995" E	
	11	30° 59' 16.143" N	76° 7' 59.117" E	
	12	30° 59' 16.342" N	76° 7' 59.452" E	
	13	30° 59' 16.399" N	76° 8' 0.001" E	
	14	30° 59' 16.041" N	76° 8' 0.651" E	
	15	30° 59' 12.944" N	76° 8' 0.648" E	
PO_SN_NS_ST_47	1	30° 59' 16.527" N	76° 7' 57.826" E	NAWASHAHR
	2	30° 59' 15.740" N	76° 7' 56.841" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK		
	3	30° 59' 15.763" N	76° 7' 55.278" E			
	4	30° 59' 16.246" N	76° 7' 53.093" E			
	5	30° 59' 17.386" N	76° 7' 49.809" E			
	6	30° 59' 17.454" N	76° 7' 48.125" E			
	7	30° 59' 18.110" N	76° 7' 46.592" E			
	8	30° 59' 22.044" N	76° 7' 39.060" E			
	9	30° 59' 23.737" N	76° 7' 36.867" E			
	10	30° 59' 24.101" N	76° 7' 45.564" E			
	11	30° 59' 21.334" N	76° 7' 54.093" E			
	12	30° 59' 20.751" N	76° 7' 55.073" E			
	13	30° 59' 19.492" N	76° 7' 56.008" E			
	14	30° 59' 18.597" N	76° 7' 57.446" E			
	15	30° 59' 18.267" N	76° 7' 58.985" E			
	16	30° 59' 17.115" N	76° 7' 59.329" E			
	17	30° 59' 16.665" N	76° 7' 57.893" E			
	PO_SN_NS_ST_50	1	30° 59' 13.664" N		76° 7' 45.285" E	NAWASHAHR
		2	30° 59' 13.091" N		76° 7' 44.607" E	
3		30° 59' 12.752" N	76° 7' 43.691" E			
4		30° 59' 12.896" N	76° 7' 42.218" E			
5		30° 59' 13.050" N	76° 7' 41.673" E			
6		30° 59' 13.459" N	76° 7' 40.856" E			
7		30° 59' 13.905" N	76° 7' 39.822" E			
8		30° 59' 14.133" N	76° 7' 38.838" E			
9		30° 59' 14.000" N	76° 7' 37.892" E			
10		30° 59' 13.891" N	76° 7' 36.742" E			
11		30° 59' 14.363" N	76° 7' 34.848" E			
12		30° 59' 14.451" N	76° 7' 33.712" E			
13		30° 59' 14.932" N	76° 7' 32.589" E			
14		30° 59' 15.098" N	76° 7' 31.936" E			
15		30° 59' 15.641" N	76° 7' 30.137" E			
16		30° 59' 15.945" N	76° 7' 28.098" E			
17		30° 59' 16.774" N	76° 7' 25.502" E			
18		30° 59' 17.562" N	76° 7' 28.567" E			
19		30° 59' 18.200" N	76° 7' 32.321" E			
20		30° 59' 17.384" N	76° 7' 36.916" E			
21		30° 59' 16.641" N	76° 7' 40.004" E			
22		30° 59' 16.281" N	76° 7' 41.685" E			
23		30° 59' 15.931" N	76° 7' 43.869" E			
24		30° 59' 15.445" N	76° 7' 45.101" E			



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	25	30° 59' 14.713" N	76° 7' 45.174" E	
PO_SN_NS_ST_51	1	30° 59' 29.001" N	76° 7' 10.419" E	NAWASHAHR
	2	30° 59' 28.937" N	76° 7' 15.252" E	
	3	30° 59' 27.675" N	76° 7' 18.158" E	
	4	30° 59' 27.120" N	76° 7' 20.033" E	
	5	30° 59' 26.862" N	76° 7' 21.981" E	
	6	30° 59' 26.364" N	76° 7' 25.220" E	
	7	30° 59' 24.834" N	76° 7' 29.202" E	
	8	30° 59' 24.297" N	76° 7' 30.504" E	
	9	30° 59' 21.618" N	76° 7' 32.955" E	
	10	30° 59' 19.876" N	76° 7' 33.025" E	
	11	30° 59' 19.195" N	76° 7' 33.347" E	
	12	30° 59' 19.014" N	76° 7' 32.536" E	
	13	30° 59' 18.851" N	76° 7' 29.159" E	
	14	30° 59' 18.356" N	76° 7' 27.875" E	
	15	30° 59' 17.832" N	76° 7' 23.608" E	
	16	30° 59' 18.658" N	76° 7' 20.334" E	
	17	30° 59' 20.057" N	76° 7' 17.170" E	
	18	30° 59' 21.087" N	76° 7' 13.999" E	
	19	30° 59' 21.483" N	76° 7' 13.000" E	
	20	30° 59' 21.721" N	76° 7' 12.364" E	
	21	30° 59' 22.275" N	76° 7' 10.886" E	
	22	30° 59' 22.400" N	76° 7' 10.638" E	
	23	30° 59' 23.304" N	76° 7' 9.338" E	
	24	30° 59' 24.094" N	76° 7' 8.367" E	
	25	30° 59' 24.361" N	76° 7' 8.051" E	
26	30° 59' 26.290" N	76° 7' 6.834" E		
27	30° 59' 27.175" N	76° 7' 6.594" E		
28	30° 59' 28.590" N	76° 7' 9.170" E		
PO_SN_NS_ST_52	1	30° 59' 15.006" N	76° 7' 23.495" E	NAWASHAHR
	2	30° 59' 14.898" N	76° 7' 25.867" E	
	3	30° 59' 15.096" N	76° 7' 26.830" E	
	4	30° 59' 13.588" N	76° 7' 27.533" E	
	5	30° 59' 13.603" N	76° 7' 24.483" E	
	6	30° 59' 13.318" N	76° 7' 21.369" E	
	7	30° 59' 17.754" N	76° 7' 16.716" E	
	8	30° 59' 17.326" N	76° 7' 18.056" E	
	9	30° 59' 16.264" N	76° 7' 19.809" E	
PO_SN_NS_ST_53	1	30° 59' 32.017" N	76° 7' 0.231" E	NAWASHAHR



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	2	30° 59' 31.950" N	76° 7' 0.668" E	
	3	30° 59' 31.108" N	76° 7' 2.512" E	
	4	30° 59' 30.949" N	76° 7' 3.479" E	
	5	30° 59' 30.815" N	76° 7' 4.119" E	
	6	30° 59' 28.609" N	76° 7' 5.430" E	
	7	30° 59' 28.402" N	76° 7' 4.808" E	
	8	30° 59' 28.378" N	76° 7' 3.408" E	
	9	30° 59' 28.517" N	76° 7' 1.305" E	
	10	30° 59' 29.174" N	76° 6' 59.907" E	
	11	30° 59' 29.424" N	76° 6' 58.487" E	
	12	30° 59' 30.168" N	76° 6' 57.472" E	
	13	30° 59' 31.727" N	76° 6' 56.957" E	
	14	30° 59' 32.129" N	76° 6' 58.887" E	
	PO_SN_NS_ST_54	1	30° 59' 24.051" N	
2		30° 59' 22.976" N	76° 7' 6.138" E	
3		30° 59' 23.866" N	76° 7' 1.723" E	
4		30° 59' 24.131" N	76° 7' 1.429" E	
5		30° 59' 24.479" N	76° 7' 1.880" E	
6		30° 59' 24.438" N	76° 7' 2.766" E	
PO_SN_NS_ST_55	1	30° 59' 32.602" N	76° 6' 46.993" E	NAWASHAHR
	2	30° 59' 32.592" N	76° 6' 45.688" E	
	3	30° 59' 33.749" N	76° 6' 44.430" E	
	4	30° 59' 35.123" N	76° 6' 42.341" E	
	5	30° 59' 35.464" N	76° 6' 43.837" E	
	6	30° 59' 35.486" N	76° 6' 44.221" E	
	7	30° 59' 34.801" N	76° 6' 49.135" E	
	8	30° 59' 34.144" N	76° 6' 51.754" E	
	9	30° 59' 34.001" N	76° 6' 51.414" E	
	10	30° 59' 32.978" N	76° 6' 49.605" E	
PO_SN_NS_ST_56	1	30° 59' 27.674" N	76° 6' 31.337" E	NAWASHAHR
	2	30° 59' 26.506" N	76° 6' 33.951" E	
	3	30° 59' 26.723" N	76° 6' 36.015" E	
	4	30° 59' 27.153" N	76° 6' 37.345" E	
	5	30° 59' 27.559" N	76° 6' 38.916" E	
	6	30° 59' 27.183" N	76° 6' 40.812" E	
	7	30° 59' 26.697" N	76° 6' 41.460" E	
	8	30° 59' 25.913" N	76° 6' 35.768" E	
	9	30° 59' 27.164" N	76° 6' 27.958" E	
	10	30° 59' 24.554" N	76° 6' 19.850" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	11	30° 59' 20.174" N	76° 6' 13.547" E	
	12	30° 59' 21.512" N	76° 6' 13.532" E	
	13	30° 59' 22.722" N	76° 6' 14.025" E	
	14	30° 59' 23.677" N	76° 6' 15.534" E	
	15	30° 59' 24.702" N	76° 6' 16.920" E	
	16	30° 59' 25.646" N	76° 6' 17.358" E	
	17	30° 59' 27.017" N	76° 6' 17.696" E	
	18	30° 59' 28.995" N	76° 6' 18.800" E	
	19	30° 59' 30.361" N	76° 6' 20.579" E	
	20	30° 59' 31.423" N	76° 6' 23.069" E	
	21	30° 59' 31.442" N	76° 6' 26.082" E	
	22	30° 59' 30.824" N	76° 6' 28.096" E	
	23	30° 59' 29.900" N	76° 6' 29.797" E	
PO_SN_NS_ST_57	1	30° 59' 30.006" N	76° 6' 35.816" E	NAWASHAHR
	2	30° 59' 29.659" N	76° 6' 33.496" E	
	3	30° 59' 29.959" N	76° 6' 31.668" E	
	4	30° 59' 30.153" N	76° 6' 30.782" E	
	5	30° 59' 31.113" N	76° 6' 29.643" E	
	6	30° 59' 32.397" N	76° 6' 28.654" E	
	7	30° 59' 33.819" N	76° 6' 27.247" E	
	8	30° 59' 34.724" N	76° 6' 25.524" E	
	9	30° 59' 34.759" N	76° 6' 25.519" E	
	10	30° 59' 35.060" N	76° 6' 28.111" E	
	11	30° 59' 32.965" N	76° 6' 33.894" E	
	12	30° 59' 30.383" N	76° 6' 36.382" E	
PO_SN_AR_ST_58	1	30° 59' 32.468" N	76° 6' 22.413" E	NAWASHAHR
	2	30° 59' 32.153" N	76° 6' 20.228" E	
	3	30° 59' 30.863" N	76° 6' 17.464" E	
	4	30° 59' 29.542" N	76° 6' 15.572" E	
	5	30° 59' 28.156" N	76° 6' 14.398" E	
	6	30° 59' 25.997" N	76° 6' 13.460" E	
	7	30° 59' 23.090" N	76° 6' 10.312" E	
	8	30° 59' 22.528" N	76° 6' 8.247" E	
	9	30° 59' 23.580" N	76° 6' 4.478" E	
	10	30° 59' 25.898" N	76° 5' 58.817" E	
	11	30° 59' 31.964" N	76° 6' 4.974" E	
	12	30° 59' 32.842" N	76° 6' 7.386" E	
	13	30° 59' 33.069" N	76° 6' 8.858" E	
	14	30° 59' 33.292" N	76° 6' 10.345" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	15	30° 59' 33.281" N	76° 6' 12.008" E	
	16	30° 59' 32.302" N	76° 6' 16.804" E	
	17	30° 59' 33.849" N	76° 6' 23.669" E	
	18	30° 59' 33.481" N	76° 6' 24.559" E	
PO_SN_AR_ST_59	1	30° 59' 21.399" N	76° 6' 4.558" E	AUR
	2	30° 59' 20.847" N	76° 6' 6.792" E	
	3	30° 59' 21.117" N	76° 6' 9.521" E	
	4	30° 59' 22.225" N	76° 6' 12.280" E	
	5	30° 59' 20.337" N	76° 6' 12.387" E	
	6	30° 59' 19.499" N	76° 6' 12.615" E	
	7	30° 59' 17.193" N	76° 6' 9.504" E	
	8	30° 59' 16.806" N	76° 6' 6.233" E	
	9	30° 59' 16.149" N	76° 6' 2.739" E	
	10	30° 59' 15.649" N	76° 6' 1.123" E	
	11	30° 59' 15.729" N	76° 6' 0.297" E	
	12	30° 59' 19.050" N	76° 5' 52.660" E	
	13	30° 59' 22.053" N	76° 5' 49.032" E	
	14	30° 59' 22.322" N	76° 5' 49.856" E	
	15	30° 59' 22.367" N	76° 5' 50.842" E	
	16	30° 59' 22.497" N	76° 5' 52.446" E	
	17	30° 59' 23.401" N	76° 5' 54.141" E	
	18	30° 59' 24.140" N	76° 5' 56.083" E	
	19	30° 59' 24.719" N	76° 5' 57.111" E	
	20	30° 59' 24.691" N	76° 5' 58.343" E	
	21	30° 59' 23.654" N	76° 5' 59.932" E	
	22	30° 59' 22.329" N	76° 6' 2.270" E	
PO_SN_AR_ST_61	1	30° 59' 25.582" N	76° 5' 45.904" E	AUR
	2	30° 59' 25.048" N	76° 5' 44.287" E	
	3	30° 59' 25.809" N	76° 5' 42.679" E	
	4	30° 59' 28.802" N	76° 5' 45.351" E	
	5	30° 59' 28.975" N	76° 5' 45.901" E	
	6	30° 59' 30.142" N	76° 5' 52.154" E	
	7	30° 59' 29.673" N	76° 5' 52.873" E	
	8	30° 59' 29.308" N	76° 5' 52.492" E	
	9	30° 59' 28.982" N	76° 5' 51.754" E	
	10	30° 59' 28.160" N	76° 5' 50.590" E	
	11	30° 59' 27.471" N	76° 5' 49.822" E	
	12	30° 59' 26.861" N	76° 5' 48.295" E	
	13	30° 59' 26.114" N	76° 5' 47.114" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
PO_SN_AR_ST_61 B	1	30° 59' 38.963" N	76° 4' 53.145" E	AUR
	2	30° 59' 38.031" N	76° 4' 53.421" E	
	3	30° 59' 38.060" N	76° 4' 52.133" E	
	4	30° 59' 38.600" N	76° 4' 51.568" E	
	5	30° 59' 40.634" N	76° 4' 50.630" E	
	6	30° 59' 42.788" N	76° 4' 49.857" E	
	7	30° 59' 44.154" N	76° 4' 49.495" E	
	8	30° 59' 45.998" N	76° 4' 49.233" E	
	9	30° 59' 42.773" N	76° 4' 50.879" E	
	10	30° 59' 40.976" N	76° 4' 53.445" E	
PO_SN_AR_ST_62	1	30° 59' 40.681" N	76° 4' 46.026" E	AUR
	2	30° 59' 38.729" N	76° 4' 46.287" E	
	3	30° 59' 38.975" N	76° 4' 45.478" E	
	4	30° 59' 40.791" N	76° 4' 45.779" E	
	5	30° 59' 44.296" N	76° 4' 39.934" E	
	6	30° 59' 49.448" N	76° 4' 29.447" E	
	7	30° 59' 49.535" N	76° 4' 28.494" E	
	8	30° 59' 49.981" N	76° 4' 28.990" E	
	9	30° 59' 50.777" N	76° 4' 31.150" E	
	10	30° 59' 50.602" N	76° 4' 35.476" E	
	11	30° 59' 48.790" N	76° 4' 40.290" E	
	12	30° 59' 46.095" N	76° 4' 43.196" E	
	13	30° 59' 43.968" N	76° 4' 45.002" E	
PO_SN_AR_ST_63	1	31° 0' 1.480" N	76° 3' 57.675" E	AUR
	2	30° 59' 59.436" N	76° 4' 1.670" E	
	3	30° 59' 59.400" N	76° 4' 7.214" E	
	4	30° 59' 59.575" N	76° 4' 11.250" E	
	5	30° 59' 57.826" N	76° 4' 16.695" E	
	6	30° 59' 56.236" N	76° 4' 19.223" E	
	7	30° 59' 56.856" N	76° 4' 16.567" E	
	8	30° 59' 57.317" N	76° 4' 14.577" E	
	9	30° 59' 57.784" N	76° 4' 13.708" E	
	10	30° 59' 57.949" N	76° 4' 12.892" E	
	11	30° 59' 58.088" N	76° 4' 12.152" E	
	12	30° 59' 58.226" N	76° 4' 11.239" E	
	13	30° 59' 58.029" N	76° 4' 10.226" E	
	14	30° 59' 58.026" N	76° 4' 9.295" E	
	15	30° 59' 58.246" N	76° 4' 7.931" E	
	16	30° 59' 58.581" N	76° 4' 7.020" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK		
	17	30° 59' 58.577" N	76° 4' 5.797" E			
	18	30° 59' 58.601" N	76° 4' 4.377" E			
	19	30° 59' 58.769" N	76° 4' 3.613" E			
	20	30° 59' 58.908" N	76° 4' 1.930" E			
	21	30° 59' 58.935" N	76° 4' 0.845" E			
	22	30° 59' 59.220" N	76° 4' 0.179" E			
	23	30° 59' 59.769" N	76° 3' 59.468" E			
	24	31° 0' 0.090" N	76° 3' 57.596" E			
	25	31° 0' 0.415" N	76° 3' 55.969" E			
	26	31° 0' 0.504" N	76° 3' 54.646" E			
	27	31° 0' 0.624" N	76° 3' 53.285" E			
	28	31° 0' 0.714" N	76° 3' 51.454" E			
	29	31° 0' 1.228" N	76° 3' 50.283" E			
	30	31° 0' 2.437" N	76° 3' 48.637" E			
	31	31° 0' 3.361" N	76° 3' 46.425" E			
	32	31° 0' 3.913" N	76° 3' 45.203" E			
	33	31° 0' 5.081" N	76° 3' 44.249" E			
	34	31° 0' 6.854" N	76° 3' 43.407" E			
	35	31° 0' 7.655" N	76° 3' 43.349" E			
	36	31° 0' 7.685" N	76° 3' 43.702" E			
	37	31° 0' 8.220" N	76° 3' 46.212" E			
	38	31° 0' 4.613" N	76° 3' 50.487" E			
	PO SN AR ST 64	1	30° 59' 58.213" N		76° 4' 1.592" E	AUR
		2	30° 59' 57.012" N		76° 4' 6.464" E	
		3	30° 59' 57.354" N		76° 4' 9.287" E	
		4	30° 59' 56.720" N		76° 4' 11.675" E	
		5	30° 59' 55.452" N		76° 4' 11.391" E	
		6	30° 59' 54.431" N		76° 4' 10.097" E	
		7	30° 59' 54.276" N		76° 4' 10.031" E	
		8	30° 59' 53.361" N		76° 4' 9.051" E	
		9	30° 59' 53.887" N		76° 4' 6.944" E	
		10	30° 59' 55.330" N		76° 4' 4.358" E	
		11	30° 59' 55.327" N		76° 4' 2.810" E	
		12	30° 59' 55.855" N		76° 4' 0.564" E	
		13	30° 59' 56.315" N		76° 3' 57.588" E	
		14	30° 59' 56.533" N		76° 3' 55.086" E	
		15	30° 59' 57.511" N		76° 3' 53.131" E	
		16	30° 59' 59.158" N		76° 3' 51.128" E	
17		31° 0' 0.627" N	76° 3' 48.940" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	18	31° 0' 2.095" N	76° 3' 47.498" E	
	19	31° 0' 2.033" N	76° 3' 48.210" E	
	20	31° 0' 0.357" N	76° 3' 51.848" E	
	21	31° 0' 0.054" N	76° 3' 54.267" E	
	22	30° 59' 59.250" N	76° 3' 55.992" E	
	23	30° 59' 58.641" N	76° 3' 58.791" E	
PO_SN_AR_ST_65	1	30° 59' 54.669" N	76° 3' 53.614" E	AUR
	2	30° 59' 54.512" N	76° 3' 54.636" E	
	3	30° 59' 54.518" N	76° 3' 54.952" E	
	4	30° 59' 54.383" N	76° 3' 56.598" E	
	5	30° 59' 53.838" N	76° 3' 58.516" E	
	6	30° 59' 53.142" N	76° 3' 58.976" E	
	7	30° 59' 52.931" N	76° 3' 58.494" E	
	8	30° 59' 52.885" N	76° 3' 58.159" E	
	9	30° 59' 53.997" N	76° 3' 51.034" E	
	10	30° 59' 54.106" N	76° 3' 50.697" E	
PO_SN_AR_ST_66	1	30° 59' 57.366" N	76° 3' 52.112" E	AUR
	2	30° 59' 57.087" N	76° 3' 51.424" E	
	3	30° 59' 57.151" N	76° 3' 42.420" E	
	4	30° 59' 57.488" N	76° 3' 41.891" E	
	5	31° 0' 5.461" N	76° 3' 42.630" E	
	6	31° 0' 4.807" N	76° 3' 43.810" E	
	7	31° 0' 3.540" N	76° 3' 44.297" E	
	8	31° 0' 3.176" N	76° 3' 45.874" E	
	9	31° 0' 2.781" N	76° 3' 46.760" E	
	10	31° 0' 2.062" N	76° 3' 47.334" E	
	11	31° 0' 1.188" N	76° 3' 47.767" E	
	12	31° 0' 0.154" N	76° 3' 48.807" E	
	13	30° 59' 59.316" N	76° 3' 50.288" E	
	14	30° 59' 58.400" N	76° 3' 51.708" E	
PO_SN_AR_ST_66 A	1	31° 0' 7.943" N	76° 3' 41.103" E	AUR
	2	31° 0' 7.586" N	76° 3' 42.551" E	
	3	31° 0' 7.600" N	76° 3' 42.715" E	
	4	31° 0' 7.290" N	76° 3' 42.957" E	
	5	31° 0' 6.611" N	76° 3' 43.054" E	
	6	31° 0' 6.059" N	76° 3' 43.236" E	
	7	31° 0' 5.713" N	76° 3' 43.188" E	
	8	31° 0' 6.162" N	76° 3' 42.695" E	
	9	31° 0' 7.022" N	76° 3' 42.775" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	10	31° 0' 7.226" N	76° 3' 38.840" E	
	11	31° 0' 7.523" N	76° 3' 39.300" E	
	12	31° 0' 7.783" N	76° 3' 40.201" E	
	13	31° 0' 7.904" N	76° 3' 40.918" E	
PO_SN_AR_ST_66 B	1	31° 0' 7.682" N	76° 3' 38.142" E	AUR
	2	31° 0' 7.290" N	76° 3' 37.596" E	
	3	31° 0' 7.505" N	76° 3' 33.410" E	
	4	31° 0' 7.433" N	76° 3' 33.035" E	
	5	31° 0' 7.638" N	76° 3' 32.727" E	
	6	31° 0' 8.120" N	76° 3' 31.602" E	
	7	31° 0' 8.326" N	76° 3' 33.092" E	
	8	31° 0' 8.245" N	76° 3' 35.822" E	
	9	31° 0' 7.860" N	76° 3' 38.244" E	
PO_SN_AR_ST_66 C	1	31° 0' 8.397" N	76° 3' 24.325" E	AUR
	2	31° 0' 8.210" N	76° 3' 26.133" E	
	3	31° 0' 8.334" N	76° 3' 28.045" E	
	4	31° 0' 7.965" N	76° 3' 30.482" E	
	5	31° 0' 8.018" N	76° 3' 30.863" E	
	6	31° 0' 7.718" N	76° 3' 31.487" E	
	7	31° 0' 7.273" N	76° 3' 32.206" E	
	8	31° 0' 6.206" N	76° 3' 26.670" E	
	9	31° 0' 6.849" N	76° 3' 25.970" E	
	10	31° 0' 7.417" N	76° 3' 25.187" E	
PO_SN_AR_ST_67	1	31° 0' 7.134" N	76° 3' 10.571" E	AUR
	2	31° 0' 6.447" N	76° 3' 14.651" E	
	3	31° 0' 6.479" N	76° 3' 16.005" E	
	4	31° 0' 6.620" N	76° 3' 17.985" E	
	5	31° 0' 6.031" N	76° 3' 18.876" E	
	6	31° 0' 5.053" N	76° 3' 18.786" E	
	7	31° 0' 4.587" N	76° 3' 18.276" E	
	8	31° 0' 3.369" N	76° 3' 11.959" E	
	9	31° 0' 3.053" N	76° 3' 0.834" E	
	10	31° 0' 2.422" N	76° 2' 59.649" E	
	11	31° 0' 3.144" N	76° 2' 59.598" E	
	12	31° 0' 4.195" N	76° 3' 0.708" E	
	13	31° 0' 4.838" N	76° 3' 1.876" E	
	14	31° 0' 5.162" N	76° 3' 3.216" E	
	15	31° 0' 5.981" N	76° 3' 4.572" E	
	16	31° 0' 6.399" N	76° 3' 5.767" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	17	31° 0' 6.657" N	76° 3' 7.649" E	
	18	31° 0' 6.228" N	76° 3' 8.725" E	
	19	31° 0' 5.365" N	76° 3' 9.823" E	
	20	31° 0' 4.604" N	76° 3' 10.691" E	
	21	31° 0' 4.200" N	76° 3' 11.280" E	
	22	31° 0' 4.907" N	76° 3' 10.537" E	
	23	31° 0' 5.015" N	76° 3' 10.478" E	
	24	31° 0' 6.029" N	76° 3' 9.729" E	
	25	31° 0' 6.431" N	76° 3' 9.569" E	
	26	31° 0' 6.725" N	76° 3' 9.586" E	
PO_SN_AR_ST_67 A	1	30° 59' 59.246" N	76° 2' 53.694" E	AUR
	2	30° 59' 58.888" N	76° 2' 53.511" E	
	3	30° 59' 59.055" N	76° 2' 52.823" E	
	4	30° 59' 58.864" N	76° 2' 51.781" E	
	5	30° 59' 58.775" N	76° 2' 50.323" E	
	6	30° 59' 59.289" N	76° 2' 50.511" E	
	7	31° 0' 0.153" N	76° 2' 51.578" E	
	8	31° 0' 1.264" N	76° 2' 53.257" E	
	9	31° 0' 1.394" N	76° 2' 54.279" E	
	10	31° 0' 1.122" N	76° 2' 55.759" E	
	11	31° 0' 0.795" N	76° 2' 56.599" E	
PO_SN_AR_ST_68	1	30° 59' 58.682" N	76° 2' 53.406" E	AUR
	2	30° 59' 54.654" N	76° 2' 51.349" E	
	3	30° 59' 54.589" N	76° 2' 42.132" E	
	4	30° 59' 52.481" N	76° 2' 34.462" E	
	5	30° 59' 52.213" N	76° 2' 28.775" E	
	6	30° 59' 52.408" N	76° 2' 29.097" E	
	7	30° 59' 53.313" N	76° 2' 30.143" E	
	8	30° 59' 53.943" N	76° 2' 30.801" E	
	9	30° 59' 54.566" N	76° 2' 31.599" E	
	10	30° 59' 55.389" N	76° 2' 32.974" E	
	11	30° 59' 55.829" N	76° 2' 34.004" E	
	12	30° 59' 56.149" N	76° 2' 34.958" E	
	13	30° 59' 56.309" N	76° 2' 35.610" E	
	14	30° 59' 56.496" N	76° 2' 36.454" E	
	15	30° 59' 56.874" N	76° 2' 37.358" E	
	16	30° 59' 57.205" N	76° 2' 38.641" E	
	17	30° 59' 57.290" N	76° 2' 39.542" E	
	18	30° 59' 57.264" N	76° 2' 40.666" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	19	30° 59' 57.049" N	76° 2' 42.366" E	
	20	30° 59' 56.863" N	76° 2' 45.075" E	
	21	30° 59' 57.222" N	76° 2' 46.621" E	
	22	30° 59' 57.444" N	76° 2' 47.090" E	
	23	30° 59' 57.457" N	76° 2' 48.008" E	
	24	30° 59' 58.373" N	76° 2' 51.439" E	
	25	30° 59' 58.712" N	76° 2' 53.005" E	
PO_SN_AR_ST_68 A	1	31° 0' 0.485" N	76° 2' 28.848" E	AUR
	2	31° 0' 0.323" N	76° 2' 27.351" E	
	3	31° 0' 0.797" N	76° 2' 27.237" E	
	4	31° 0' 1.378" N	76° 2' 27.091" E	
	5	31° 0' 2.081" N	76° 2' 26.990" E	
	6	31° 0' 3.432" N	76° 2' 26.538" E	
	7	31° 0' 3.454" N	76° 2' 26.536" E	
	8	31° 0' 4.586" N	76° 2' 26.620" E	
	9	31° 0' 4.633" N	76° 2' 26.680" E	
	10	31° 0' 4.710" N	76° 2' 26.698" E	
	11	31° 0' 3.745" N	76° 2' 31.655" E	
	12	31° 0' 2.391" N	76° 2' 36.622" E	
	13	31° 0' 2.303" N	76° 2' 36.383" E	
	14	31° 0' 2.155" N	76° 2' 35.724" E	
	15	31° 0' 2.029" N	76° 2' 34.694" E	
	16	31° 0' 1.840" N	76° 2' 33.460" E	
	17	31° 0' 1.777" N	76° 2' 32.546" E	
	18	31° 0' 1.591" N	76° 2' 31.926" E	
	19	31° 0' 1.225" N	76° 2' 31.315" E	
	20	31° 0' 0.863" N	76° 2' 30.346" E	
PO_SN_AR_ST_69	1	30° 59' 51.961" N	76° 2' 23.444" E	AUR
	2	30° 59' 51.927" N	76° 2' 17.170" E	
	3	30° 59' 53.269" N	76° 2' 16.887" E	
	4	30° 59' 54.466" N	76° 2' 16.440" E	
	5	30° 59' 55.912" N	76° 2' 16.285" E	
	6	30° 59' 56.849" N	76° 2' 16.130" E	
	7	30° 59' 57.317" N	76° 2' 16.549" E	
	8	30° 59' 57.488" N	76° 2' 17.945" E	
	9	30° 59' 57.302" N	76° 2' 20.368" E	
	10	30° 59' 56.388" N	76° 2' 22.655" E	
	11	30° 59' 55.874" N	76° 2' 25.277" E	
	12	30° 59' 54.866" N	76° 2' 28.743" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	13	30° 59' 54.797" N	76° 2' 30.681" E	
	14	30° 59' 53.316" N	76° 2' 29.436" E	
	15	30° 59' 53.315" N	76° 2' 29.411" E	
	16	30° 59' 52.185" N	76° 2' 28.180" E	
PO_SN_AR_ST_69 A	1	30° 59' 53.475" N	76° 2' 12.669" E	AUR
	2	30° 59' 52.446" N	76° 2' 12.732" E	
	3	30° 59' 51.902" N	76° 2' 12.496" E	
	4	30° 59' 51.888" N	76° 2' 9.702" E	
	5	30° 59' 52.527" N	76° 2' 2.982" E	
	6	30° 59' 52.725" N	76° 2' 2.440" E	
	7	30° 59' 52.763" N	76° 2' 1.660" E	
	8	30° 59' 53.535" N	76° 2' 0.357" E	
	9	30° 59' 54.233" N	76° 2' 0.942" E	
	10	30° 59' 53.707" N	76° 2' 2.880" E	
	11	30° 59' 53.451" N	76° 2' 4.077" E	
	12	30° 59' 53.174" N	76° 2' 6.902" E	
	13	30° 59' 53.426" N	76° 2' 8.430" E	
	14	30° 59' 54.220" N	76° 2' 9.539" E	
	15	30° 59' 54.511" N	76° 2' 10.830" E	
	16	30° 59' 54.290" N	76° 2' 11.702" E	
PO_SN_AR_ST_69 B	1	30° 59' 54.811" N	76° 1' 54.803" E	AUR
	2	30° 59' 54.775" N	76° 1' 53.664" E	
	3	30° 59' 55.246" N	76° 1' 51.990" E	
	4	30° 59' 55.515" N	76° 1' 52.862" E	
	5	30° 59' 55.917" N	76° 1' 53.558" E	
	6	30° 59' 56.268" N	76° 1' 54.091" E	
	7	30° 59' 56.727" N	76° 1' 54.508" E	
	8	30° 59' 57.289" N	76° 1' 54.894" E	
	9	30° 59' 57.611" N	76° 1' 55.286" E	
	10	30° 59' 57.564" N	76° 1' 55.714" E	
	11	30° 59' 56.911" N	76° 1' 56.179" E	
	12	30° 59' 56.249" N	76° 1' 56.219" E	
	13	30° 59' 55.699" N	76° 1' 55.980" E	
	14	30° 59' 55.070" N	76° 1' 55.448" E	
PO_SN_AR_ST_70	1	31° 0' 7.184" N	76° 2' 5.620" E	AUR
	2	31° 0' 7.232" N	76° 2' 7.282" E	
	3	31° 0' 6.440" N	76° 2' 15.400" E	
	4	31° 0' 3.303" N	76° 2' 15.580" E	
	5	31° 0' 3.056" N	76° 2' 14.824" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK		
	6	31° 0' 2.316" N	76° 2' 9.189" E			
	7	31° 0' 2.150" N	76° 2' 5.993" E			
	8	31° 0' 2.683" N	76° 2' 4.694" E			
	9	31° 0' 3.075" N	76° 2' 4.143" E			
	10	31° 0' 3.999" N	76° 2' 3.418" E			
	11	31° 0' 4.905" N	76° 2' 1.987" E			
	12	31° 0' 5.052" N	76° 1' 59.983" E			
	13	31° 0' 4.737" N	76° 1' 58.189" E			
	14	31° 0' 4.857" N	76° 1' 56.816" E			
	15	31° 0' 5.720" N	76° 1' 56.135" E			
	16	31° 0' 7.161" N	76° 1' 54.529" E			
	17	31° 0' 7.457" N	76° 1' 53.991" E			
	18	31° 0' 8.267" N	76° 1' 57.022" E			
	19	31° 0' 7.469" N	76° 2' 4.857" E			
	PO_SN_AR_ST_71	1	31° 0' 5.284" N		76° 1' 52.206" E	AUR
		2	31° 0' 5.260" N		76° 1' 52.206" E	
		3	31° 0' 4.070" N		76° 1' 52.402" E	
		4	31° 0' 2.993" N		76° 1' 52.568" E	
		5	31° 0' 1.538" N		76° 1' 53.092" E	
6		31° 0' 0.640" N	76° 1' 53.039" E			
7		30° 59' 59.677" N	76° 1' 53.516" E			
8		30° 59' 58.392" N	76° 1' 53.944" E			
9		30° 59' 57.012" N	76° 1' 53.987" E			
10		30° 59' 56.353" N	76° 1' 53.616" E			
11		30° 59' 56.005" N	76° 1' 52.137" E			
12		30° 59' 56.378" N	76° 1' 50.856" E			
13		30° 59' 57.055" N	76° 1' 49.793" E			
14		30° 59' 57.641" N	76° 1' 48.970" E			
15		30° 59' 59.397" N	76° 1' 46.983" E			
16		30° 59' 59.509" N	76° 1' 46.285" E			
17		30° 59' 59.297" N	76° 1' 45.591" E			
18		30° 59' 59.540" N	76° 1' 44.578" E			
19		31° 0' 0.100" N	76° 1' 43.514" E			
20		31° 0' 1.127" N	76° 1' 42.197" E			
21		31° 0' 1.971" N	76° 1' 41.510" E			
22		31° 0' 3.155" N	76° 1' 40.726" E			
23		31° 0' 4.027" N	76° 1' 39.952" E			
24		31° 0' 5.365" N	76° 1' 39.397" E			
25		31° 0' 5.544" N	76° 1' 41.560" E			



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	26	31° 0' 5.409" N	76° 1' 43.180" E	
	27	31° 0' 5.469" N	76° 1' 44.717" E	
	28	31° 0' 5.891" N	76° 1' 45.263" E	
	29	31° 0' 6.155" N	76° 1' 49.116" E	
	30	31° 0' 6.722" N	76° 1' 51.237" E	
	31	31° 0' 6.122" N	76° 1' 51.736" E	
PO_SN_AR_ST_71 A	1	31° 0' 2.835" N	76° 1' 32.054" E	AUR
	2	31° 0' 2.801" N	76° 1' 29.906" E	
	3	31° 0' 3.081" N	76° 1' 28.716" E	
	4	31° 0' 3.973" N	76° 1' 27.621" E	
	5	31° 0' 5.041" N	76° 1' 27.565" E	
	6	31° 0' 5.158" N	76° 1' 28.022" E	
	7	31° 0' 5.248" N	76° 1' 32.345" E	
	8	31° 0' 4.398" N	76° 1' 33.300" E	
	9	31° 0' 3.746" N	76° 1' 33.691" E	
	10	31° 0' 3.273" N	76° 1' 34.129" E	
PO_SN_AR_ST_72	1	31° 0' 1.893" N	76° 1' 30.380" E	AUR
	2	31° 0' 1.525" N	76° 1' 31.480" E	
	3	31° 0' 1.537" N	76° 1' 32.697" E	
	4	31° 0' 1.084" N	76° 1' 34.479" E	
	5	31° 0' 0.348" N	76° 1' 36.154" E	
	6	30° 59' 58.682" N	76° 1' 38.094" E	
	7	30° 59' 57.348" N	76° 1' 39.031" E	
	8	30° 59' 55.494" N	76° 1' 39.995" E	
	9	30° 59' 53.851" N	76° 1' 41.213" E	
	10	30° 59' 52.047" N	76° 1' 43.909" E	
	11	30° 59' 50.940" N	76° 1' 31.927" E	
	12	30° 59' 50.738" N	76° 1' 21.663" E	
	13	30° 59' 48.486" N	76° 1' 11.340" E	
	14	30° 59' 47.448" N	76° 1' 7.603" E	
	15	30° 59' 47.978" N	76° 1' 7.690" E	
	16	30° 59' 54.472" N	76° 1' 11.352" E	
	17	30° 59' 58.350" N	76° 1' 14.436" E	
	18	30° 59' 59.721" N	76° 1' 16.160" E	
	19	31° 0' 0.515" N	76° 1' 18.946" E	
	20	31° 0' 0.884" N	76° 1' 22.326" E	
	21	31° 0' 2.184" N	76° 1' 27.364" E	
	22	31° 0' 2.223" N	76° 1' 28.997" E	
PO_SN_AR_ST_81	1	31° 0' 36.759" N	75° 58' 45.044" E	AUR



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
A	2	31° 0' 34.025" N	75° 58' 43.048" E	
	3	31° 0' 34.210" N	75° 58' 42.299" E	
	4	31° 0' 34.743" N	75° 58' 41.183" E	
	5	31° 0' 35.883" N	75° 58' 39.491" E	
	6	31° 0' 36.221" N	75° 58' 40.023" E	
	7	31° 0' 36.236" N	75° 58' 40.038" E	
	8	31° 0' 36.749" N	75° 58' 40.892" E	
	9	31° 0' 37.054" N	75° 58' 41.794" E	
	10	31° 0' 37.093" N	75° 58' 42.749" E	
	11	31° 0' 36.930" N	75° 58' 44.282" E	
	PO_SN_AR_ST_81 B	1	31° 0' 30.494" N	
2		31° 0' 30.354" N	75° 58' 39.353" E	
3		31° 0' 30.562" N	75° 58' 38.496" E	
4		31° 0' 30.613" N	75° 58' 37.643" E	
5		31° 0' 30.799" N	75° 58' 37.298" E	
6		31° 0' 31.272" N	75° 58' 37.161" E	
7		31° 0' 31.803" N	75° 58' 36.318" E	
8		31° 0' 32.047" N	75° 58' 35.954" E	
9		31° 0' 32.620" N	75° 58' 37.181" E	
10		31° 0' 32.691" N	75° 58' 37.701" E	
11		31° 0' 32.217" N	75° 58' 38.483" E	
12		31° 0' 31.639" N	75° 58' 39.808" E	
13		31° 0' 31.497" N	75° 58' 40.377" E	
PO_SN_AR_ST_81 C	1	31° 0' 29.881" N	75° 58' 37.638" E	AUR
	2	31° 0' 29.757" N	75° 58' 39.248" E	
	3	31° 0' 29.867" N	75° 58' 40.012" E	
	4	31° 0' 29.537" N	75° 58' 39.772" E	
	5	31° 0' 28.407" N	75° 58' 38.377" E	
	6	31° 0' 30.221" N	75° 58' 34.203" E	
	7	31° 0' 30.462" N	75° 58' 33.318" E	
	8	31° 0' 30.603" N	75° 58' 33.387" E	
	9	31° 0' 30.905" N	75° 58' 33.790" E	
	10	31° 0' 31.748" N	75° 58' 34.100" E	
	11	31° 0' 31.695" N	75° 58' 34.723" E	
	12	31° 0' 31.273" N	75° 58' 35.534" E	
	13	31° 0' 30.974" N	75° 58' 35.750" E	
	14	31° 0' 30.233" N	75° 58' 36.691" E	
PO_SN_AR_ST_81 D	1	31° 0' 32.586" N	75° 58' 35.478" E	AUR
	2	31° 0' 32.518" N	75° 58' 35.182" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	3	31° 0' 33.058" N	75° 58' 35.177" E	
	4	31° 0' 33.500" N	75° 58' 35.144" E	
	5	31° 0' 33.712" N	75° 58' 34.725" E	
	6	31° 0' 33.907" N	75° 58' 33.906" E	
	7	31° 0' 33.978" N	75° 58' 33.400" E	
	8	31° 0' 34.115" N	75° 58' 32.924" E	
	9	31° 0' 34.428" N	75° 58' 32.495" E	
	10	31° 0' 34.650" N	75° 58' 33.014" E	
	11	31° 0' 34.534" N	75° 58' 34.510" E	
	12	31° 0' 34.386" N	75° 58' 35.303" E	
	13	31° 0' 33.887" N	75° 58' 36.389" E	
	14	31° 0' 33.406" N	75° 58' 37.141" E	
	15	31° 0' 33.122" N	75° 58' 36.985" E	
	16	31° 0' 32.651" N	75° 58' 36.395" E	
	PO_SN_AR_ST_81 E	1	31° 0' 33.505" N	
2		31° 0' 33.349" N	75° 58' 33.479" E	
3		31° 0' 33.354" N	75° 58' 33.986" E	
4		31° 0' 33.205" N	75° 58' 34.448" E	
5		31° 0' 32.934" N	75° 58' 34.573" E	
6		31° 0' 32.319" N	75° 58' 34.225" E	
7		31° 0' 31.984" N	75° 58' 33.889" E	
8		31° 0' 31.811" N	75° 58' 33.292" E	
9		31° 0' 30.855" N	75° 58' 31.880" E	
10		31° 0' 31.829" N	75° 58' 28.014" E	
11		31° 0' 32.541" N	75° 58' 29.370" E	
12		31° 0' 33.152" N	75° 58' 30.275" E	
13		31° 0' 33.549" N	75° 58' 31.051" E	
PO_SN_AR_ST_81 F	1	31° 0' 34.918" N	75° 58' 24.629" E	AUR
	2	31° 0' 34.522" N	75° 58' 23.529" E	
	3	31° 0' 34.633" N	75° 58' 22.392" E	
	4	31° 0' 34.888" N	75° 58' 22.389" E	
	5	31° 0' 35.778" N	75° 58' 22.846" E	
	6	31° 0' 36.310" N	75° 58' 23.943" E	
	7	31° 0' 36.500" N	75° 58' 25.080" E	
	8	31° 0' 36.273" N	75° 58' 25.839" E	
	9	31° 0' 35.822" N	75° 58' 26.783" E	
	10	31° 0' 35.410" N	75° 58' 26.225" E	
	11	31° 0' 35.156" N	75° 58' 25.565" E	
PO_SN_AR_ST_82	1	31° 0' 37.237" N	75° 58' 37.514" E	AUR



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	ADMINISTRATIVE BLOCK
	2	31° 0' 37.076" N	75° 58' 35.326" E	
	3	31° 0' 37.226" N	75° 58' 31.735" E	
	4	31° 0' 37.523" N	75° 58' 27.890" E	
	5	31° 0' 37.601" N	75° 58' 25.219" E	
	6	31° 0' 37.843" N	75° 58' 22.470" E	
	7	31° 0' 37.960" N	75° 58' 19.823" E	
	8	31° 0' 38.302" N	75° 58' 18.095" E	
	9	31° 0' 38.968" N	75° 58' 15.731" E	
	10	31° 0' 39.399" N	75° 58' 14.902" E	
	11	31° 0' 40.127" N	75° 58' 14.686" E	
	12	31° 0' 42.340" N	75° 58' 19.698" E	
	13	31° 0' 42.390" N	75° 58' 20.043" E	
	14	31° 0' 43.097" N	75° 58' 21.454" E	
	15	31° 0' 44.094" N	75° 58' 27.521" E	
	16	31° 0' 40.681" N	75° 58' 34.567" E	
	17	31° 0' 39.022" N	75° 58' 39.034" E	
	18	31° 0' 38.317" N	75° 58' 41.521" E	
	19	31° 0' 37.864" N	75° 58' 40.500" E	



Annexure C

**(The structure of the Sub-Divisional Committee
Constituted for the preparation of the District
Survey Report for Sand minerals of District SBS
Nagar)**

OFFICE OF THE DEPUTY COMMISSIONER

hahid Bhagat Singh Nagar

Government of Punjab

OFFICE ORDER

No.

Date:

1.0 In view of the directions issued by the Government of Punjab, Department of Mines & Geology vide letter no. PSWR/ E321792 /414 dated 05.05.2022, following Sub Division Level Committees are hereby constituted for the preparation of District Survey Report (DSR) for district S.B.S.Nagar.

i. For Nawanshahr Sub-Division

- (a) Sub-Divisional Magistrate Nawanshahr -Chairperson
- (b) Environment Engineer PPCB, Nawanshahr - Member
- (c) Executive Engineer, Irrigation, Bist Doab Canal Division -Member
- (d) Executive Engineer, Buildings and Roads, Nawanshahr -Member
- (e) Executive Engineer, Phagwara Drainage Division- Member
- (f) Divisional Forest Officer, Nawanshahr -Member
- (g) Chief Agriculture Officer, Nawanshahr -Member
- (h) Block Development and Panchayat Officer, Nawanshahr,Aurh-Member
- (i) District Mining Officer, S.B.S Nagar -Member Secretary.

ii. For Balachaur Sub-Division

- (a) Sub-Divisional Magistrate Balachaur -Chairperson
- (b) Environment Engineer PPCB, S.B.S Nagar - Member
- (c) Executive Engineer, Irrigation, Bist Doab Canal Division Member
- (d) Executive Engineer, Buildings and Roads, Balachaur -Member
- (e) Executive Engineer, Phagwara Drainage Division & Hoshiarpur Drainage Division- Member.
- (f) Divisional Forest Officer, Balachaur -Member
- (g) Chief Agriculture Officer, S.B.S,Nagar -Member
- (h) Block Development and Panchayat Officer, Balachaur,Sarua -Member
- (i) District Mining Officer, S.B.S Nagar -Member Secretary.

iii. For Banga Sub-Division

- (a) Sub-Divisional Magistrate Banga -Chairperson
- (b) Environment Engineer PPCB, S.B.S Nagar - Member



msc 1 -

- (c) Executive Engineer, Irrigation, Bist Doab Canal Division
- (d) Executive Engineer, Buildings and Roads, Banga -Member
- (e) Executive Engineer, Phagwara Drainage Division - Member
- (f) Divisional Forest Officer, Banga -Member
- (g) Chief Agriculture Officer, S.B.S Nagar -Member
- (h) Block Development and Panchayat Officer, Banga -Member
- (i) District Mining Officer, S.B.S, Nagar -Member Secretary

2.0 The Sub Division Level Committees shall get the DSR prepared with the help of consultant accredited by NABET (National Accreditation Board of Education & Training).

3.0 The Committees shall prepare and submit the DSR in accordance with the sustainable Sand Mining Management Guidelines, 2016, Enforcement & Monitoring Guidelines for Sand Mining, 2020 and as per various directions passed by Hon'ble Supreme Court and National Green Tribunal from time to time.


Deputy Commissioner,
Shahid Bhagat Singh Nagar.

No. 905-39 /SK

Dated 09/05/2022

Copy of the above is forwarded to the following for information and further necessary action-

1. Principal Secretary, Mines & Geology, Punjab, Chandigarh.
2. Director, Mines & Geology, Punjab, Chandigarh.
3. All concerned officers/members of the committees
4. All concerned SDMs cum Chairman of the Committees.


Deputy Commissioner,
Shahid Bhagat Singh Nagar.



Annexure D
(Photographs of the site survey)







Latitude: 31.005212
Longitude: 76.302382
Elevation: 250.94±7 m
Accuracy: 8.9 m
Azimuth: 291° (W)
Pitch: -6.9° (1.0°)
Time: 10-11-2022 16:22
Note: Dugri SBS Nagar

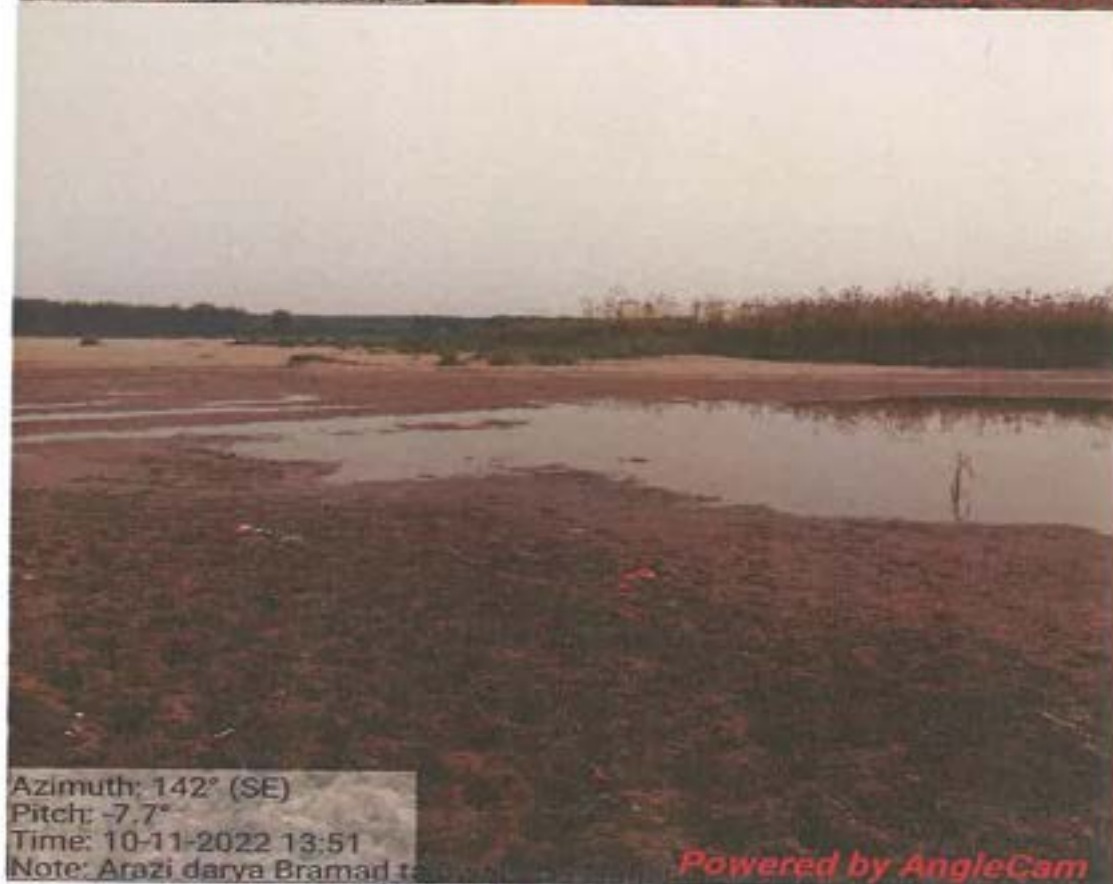
Powered by AngleCam



Latitude: 30.979324
Longitude: 76.481783
Elevation: 259.82±5 m
Accuracy: 9.3 m
Azimuth: 273° (W)
Pitch: -3.9° (0.8°)
Time: 11-11-2022 12:18
Note: Rail Baramad SBS Nagar

Powered by AngleCam











Latitude: 31.005212
Longitude: 76.302382
Elevation: 250.94±7 m
Accuracy: 8.9 m
Azimuth: 291° (W)
Pitch: -6.9° (1.0°)
Time: 10-11-2022 16:22
Note: Dugri SBS Nagar

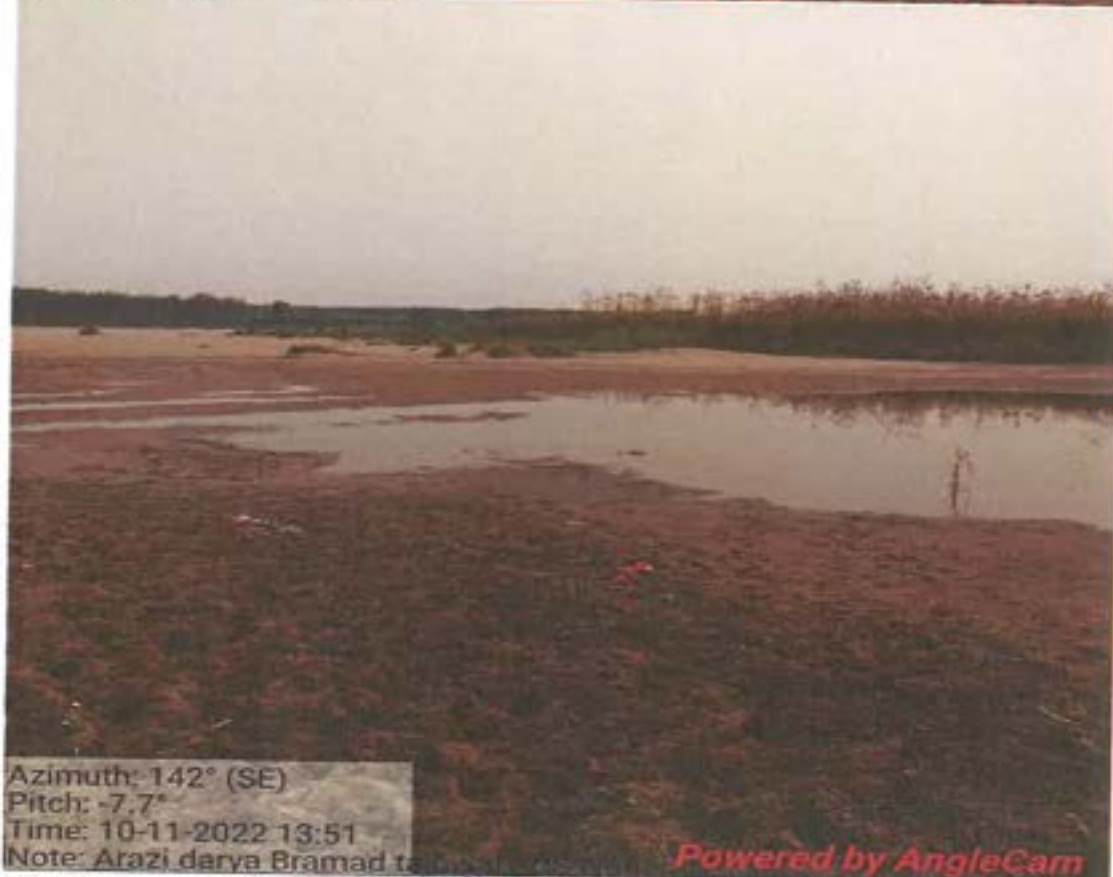
Powered by AngleCam



Latitude: 30.979324
Longitude: 76.481783
Elevation: 259.82±5 m
Accuracy: 9.3 m
Azimuth: 273° (W)
Pitch: -3.9° (0.8°)
Time: 11-11-2022 12:18
Note: Rail Baramad SBS Nagar

Powered by AngleCam





Annexure E
(Sub- Divisional Committee visit report)

ਦਫਤਰ ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ, ਬਲਾਚੌਰ
Office of the Sub Divisional Magistrate Balachaur
Phone No. 01885-220032 Email. sdmbalachaur@gmail.com

ਸੇਵਾ ਵਿਖੇ

ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ,
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ।

ਨੰ.....1616...../ਐਮ.ਸੀ. ਮਿਤੀ...14.05.2022

ਵਿਸ਼ਾ :- District Survey Report (DSR) ਤਿਆਰ ਕਰਨ ਸਬੰਧੀ।

ਹਵਾਲਾ- ਆਪ ਜੀ ਦੇ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 905-39/ਸ.ਕ ਮਿਤੀ 09.05.2022 ਦੇ ਸਬੰਧ ਵਿੱਚ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ ਹਵਾਲਾ ਅਧੀਨ ਪੱਤਰ ਦੇ ਸਬੰਧ ਵਿੱਚ ਬੇਨਤੀ ਹੈ ਕਿ ਸਬ ਡਵੀਜ਼ਨ ਬਲਾਚੌਰ ਦੀ District Survey Report (DSR) ਤਿਆਰ ਕਰਨ ਅਤੇ ਕਮੇਟੀ ਮੈਂਬਰਾਂ ਦੇ ਹਸਤਾਖਰ ਕਰਵਾਉਣ ਉਪਰੰਤ ਇਸ ਪੱਤਰ ਨਾਲ ਨੱਥੀ ਕਰਕੇ ਆਪ ਜੀ ਨੂੰ ਅਗਲੇਰੀ ਯੋਗ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜੀ ਜਾਂਦੀ ਹੈ।

ਨੱਥੀ: ਉਕਤ ਅਨੁਸਾਰ

1. ਪਿੰਨ ਨੰਬਰ 01 ਤੋਂ 45
2. ਪਿੰਨ ਨੰਬਰ 01 ਤੋਂ 02
3. ਕੁੱਝ ਪਿੰਨ - 47

Handwritten signature
ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
ਬਲਾਚੌਰ।



To

RIAN ENVIRO PRIVATE LIMITED,
REGISTERED OFFICE 133, ANSAL CHAMBER-II,
6 BHIKAJI CAMA PLACE, NEW DELHI - 110066

NO. 2861 DATED 14-12-2022

Subject:- Regarding Sub-Divisional level Committee reports of DSR of District SBS Nagar.

Please find enclosed Sub-Divisional Level Committee reports of DSR of Tehsil Nawanshahr and Balachaur. In this regard you are directed to compile the final District Survey Report (DSR) of District Shaheed Bhagat Singh Nagar and send the same to the undersigned by tomorrow, so that it may be sent to SEIAA for further necessary action.

Encl. As above.


Deputy Commissioner,
Shaheed Bhagat Singh Nagar.

Endst No. 2862-65 Dated 14-12-2022

- 1) Principal Secretary, Water Resource, Department Punjab, Chandigarh for information, please.
- 2) Sub-Divisional Magistrate Nawanshahr & Balachaur for information and necessary action.
- 3) Executive Engineer-cum-District Mining Officer, Shaheed Bhagat Singh Nagar for information and necessary action.


Deputy Commissioner,
Shaheed Bhagat Singh Nagar.




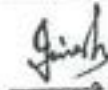
ਮਿਤੀ: 07.12.2022 ਨੂੰ ਤਹਿਸੀਲ ਬਲਾਚੌਰ, ਜਿਲ੍ਹਾ ਸਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ ਵਿਖੇ ਸਬ-ਡਵੀਜ਼ਨ ਪੱਧਰੀ ਕਮੇਟੀ ਬਲਾਚੌਰ ਵੱਲੋਂ ਸੰਭਾਵਿਤ ਰੇਤ ਮਾਈਨਿੰਗ ਸਾਈਟਾਂ ਦੇ ਦੌਰੇ ਦੀ ਰਿਪੋਰਟ।


ਉਪਰੋਕਤ ਦੇ ਸਬੰਧ ਵਿੱਚ, ਇਹ ਦਰਜ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਸਬ-ਡਵੀਜ਼ਨ ਪੱਧਰੀ ਕਮੇਟੀ ਬਲਾਚੌਰ ਨੇ ਮਿਤੀ 07.12.2022 ਨੂੰ ਸਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ ਦੀ ਜਿਲ੍ਹਾ ਸਰਵੇਖਣ ਰਿਪੋਰਟ ਵਿੱਚ ਹੇਠਾਂ ਦਰਸਾਏ ਗਏ ਰੇਤ ਮਾਈਨਿੰਗ ਸਾਈਟਾਂ ਨੂੰ ਸ਼ਾਮਲ ਕਰਨ ਦੇ ਉਦੇਸ਼ ਨਾਲ ਇੱਕ ਸਾਂਝੀ ਸਾਈਟ ਦਾ ਦੌਰਾ ਕੀਤਾ;


River Bed Sand Mining Sites

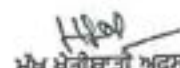
Sr. No.	Site Name	Tehsil	Area (Sq. m.)	Recommended or Not
1	PO_SN_BL_ST_01	BALACHAUR	26770.06337	Recommended
2	PO_SN_BL_ST_03_04	BALACHAUR	136175.371	Recommended
3	PO_SN_BL_ST_4A	BALACHAUR	18677.32	Recommended
4	PO_SN_BL_ST_4B	BALACHAUR	19886.1	Recommended
5	PO_SN_BL_ST_05	BALACHAUR	11856.42738	Recommended (Area to be extended)
6	PO_SN_BL_ST_06_07	BALACHAUR	94376.76742	Recommended
7	PO_SN_BL_ST_08	BALACHAUR	91997.68728	Recommended
8	PO_SN_BL_ST_09	BALACHAUR	170479.5111	Recommended
9	PO_SN_BL_ST_10	BALACHAUR	70730.29154	Recommended (there is electric pole nearby from which 50 metre distance should be maintain)
10	PO_SN_BL_ST_11	BALACHAUR	37592.47604	Recommended
11	PO_SN_BL_ST_12_13	BALACHAUR	106644.7848	Recommended (there is electric pole nearby from which 50 metre distance should be maintain)
12	PO_SN_BL_ST_14	BALACHAUR	101812.0756	Recommended (Area to be increased)


 ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ,
 ਰੂਪਨਗਰ;


 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਟੀਗਰੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਹੀਦ ਭਗਤ
 ਸਿੰਘ ਨਗਰ;

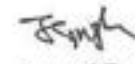

 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ;

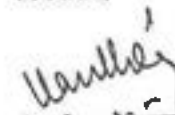

 ਕਾਰਜਕਾਰੀ
 ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਰੂਪਨਗਰ;


 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;


 ਵਣ ਮੰਡਲ ਅਫਸਰ,
 ਗੜ੍ਹਸੰਕਰ ਐਂਡ ਨਵਾਂਸ਼ਹਿਰ;


 ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ ਪਰਿਵੇਸ਼
 ਅਫਸਰ, ਬਲਾਚੌਰ ਅਤੇ ਸਤੋਘ;


 ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ
 ਅਫਸਰ, ਸਹੀਦ ਭਗਤ
 ਸਿੰਘ ਨਗਰ;


 ਉਪ ਮੰਡਲ ਮੈਨੇਜਰ,
 ਬਲਾਚੌਰ;



13	PO_SN_BL_ST_15	BALACHAUR	14042.6094	Recommended
14	PO_SN_BL_ST_15A	BALACHAUR	30424.8185	Recommended (After Excluding forest land hadbast - 462-27//11 excluded)
15	PO_SN_BL_ST_16	BALACHAUR	21818.41487	Not Recommended(Due to fall in forest land)
16	PO_SN_BL_ST_17	BALACHAUR	58453.16043	Partially recommended (After Excluding forest land hadbast No.-462-23//11,18,19,20,23 And 24//14,15,16)
17	PO_SN_BL_ST_19	BALACHAUR	46999.61493	Partially recommended (After Excluding forest land hadbast no-470-32//4,5,6,7 and 33//1,2,3,8,9,10,11,12,13,
18	PO_SN_BL_ST_20	BALACHAUR	5169.704593	Recommended
19	PO_SN_BL_ST_22	BALACHAUR	12986.95553	Recommended
20	PO_SN_BL_ST_27	BALACHAUR	23070.4778	Partially recommended (After excluding Forest land Hadbast No.459-18//8, 18//11,12,13,14,18,19,20,21,22)

[Signature]

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰੋਟੈਕਟ ਕੰਟਰੋਲ ਬੋਰਡ,
ਰੂਪਨਗਰ:

[Signature]

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇਰੀਗੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ
ਸਿੰਘ ਨਗਰ:

[Signature]

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ:

[Signature]

ਕਾਰਜਕਾਰੀ
ਇੰਜੀਨੀਅਰ,
ਡਰੇਨੇਜ ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ
ਸਿੰਘ ਨਗਰ:

[Signature]
ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ:

[Signature]
ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਗੜ੍ਹਸ਼ੰਕਰ ਐਂਡ ਨਵਾਂਸ਼ਹਿਰ:

[Signature] *[Signature]*
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ ਪੰਚਾਇਤ
ਅਫਸਰ, ਬਲਾਚੌਰ ਅਤੇ ਸੜੋਆ:

[Signature]
ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ
ਅਫਸਰ, ਸ਼ਹੀਦ ਭਗਤ
ਸਿੰਘ ਨਗਰ:

[Signature]
ਉਪ ਮੰਡਲ ਮੋਜਿਸਟਰੇਟ,
ਬਲਾਚੌਰ



Sr. No.	Village /Hadb ast	Name	Khasra Number	Area (Acre)	Already in KML
1.	Araji Dariya Brahm ad Rail/420	Manpreet Singh Gurdeep Singh Kuldeep Singh Mankirat Singh	16//24, 25 17//21, 22, 23, 24 18//16/1, 25/1 19//16, 17, 18, 19, 20/1, 20/2/1, 20/2/2, 21, 22, 24, 25 20//21, 22, 23/1, 23/2, 24/1, 24/2 33//18, 19, 20, 21, 22, 23 34//1, 8, 9, 12, 13, 16, 17, 18, 19 35//7, 8, 9, 10/1, 10/2, 11, 12, 13, 14, 16, 17, 18, 19, 20/1, 22, 23 36//14, 15, 16, 17, 18, 19/1, 20, 22/2, 23, 24, 25 37//12, 16, 17, 19, 20, 21, 22, 23/2, 24, 25 38//11, 17, 24, 25, 21/2 39//2/1, 2/2, 6, 7/1, 8, 9/1, 9/2, 12/2, 13, 14/1, 14/2, 15, 16, 17, 18, 19/1, 19/2, 20, 24/1, 24/2, 25 40//1, 2, 3/1, 3/2, 5/2, 5/3, 6/1, 6/2, 8/2, 9, 10, 11, 12, 15/2, 15/3 41//1, 2, 3/1, 3/2, 4/1, 4/2, 5/1, 5/2, 6/1, 6/2, 7/1, 7/2, 8/1, 8/2, 9/1, 10/1, 14/1, 15/2, 20, 21, 23/2, 24/1, 24/2, 25/1, 25/2 42//1, 2, 4, 5 44//1, 2, 3, 4, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19/1, 19/2, 20, 21, 22, 23, 24, 25 45//1/2, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22/1, 23, 24, 25 47//14, 15, 17, 18/1, 18/2, 19/1, 21/1, 23, 24, 25 49//7/1, 13, 14/1, 14/2, 17/1, 17/2, 18, 19 50//1/1, 1/2, 2, 3, 4, 7, 8, 9, 10/1, 10/2, 11/1, 11/2, 12, 13, 14, 19, 20/1, 21/2 52//1, 3, 4, 5, 6, 7, 8, 10, 13, 15 53//1, 2/1, 3/1, 4, 5, 6, 7/1, 8/2, 9, 10, 11, 13/2, 14, 15 56//1, 3/2, 4/1, 4/2 57//2, 3 58//1, 2/1, 2/2, 3, 4, 5, 6, 7, 8/1, 8/2, 9/1 59//1/1, 1/2, 4, 7, 10/2, 10/2 61//4 62//2 63//4, 5, 6 64//1, 2, 3, 4 81//2, 3, 4/1, 8, 9, 13	237.375	39//21, 22/1, 22/2, 23, 40//16/1, 16/2, 18/1, 19, 20, 21, 22, 23, 25/3 41//9/1, 10/1, 10/2, 11, 12/2, 13, 13/1, 13/2, 16/1, 17/1, 17/2, 18/1, 18/2, 19/1, 19/2 42//6, 7, 10, 14, 15/1, 15/2 49//22, 23, 24/1, 24/2 58//1, 2/1, 2/2, 3, 4, 5 59//1/1, 1/2,














1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਾਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਾਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਾਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਕਾਜ਼ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਰਕਬਾ ਨੰਬਰਾਂ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।
3. ਉਪਰੋਕਤ ਖਾਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਾਮੇਟੀ ਵੱਲੋਂ ਮਿਠਾਤਸ਼ ਢੀਤੀ ਜਾਂਦੀ ਹੈ।

W. Singh
 ਵੱਡਾ ਮੁਕਤ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ:

Gurdeep
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਡੀਕੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਭਗਤ ਸਿੰਘ ਨਗਰ:

W
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ:

W
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਰੂਪਨਗਰ:

W
 ਮੁੱਖ ਸੰਗ੍ਰਹਣੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ:

W
 ਵੱਡੇ ਮੰਜਿਲ ਅਫਸਰ,
 ਗਵਰਨਮੈਂਟ ਐਂਡ
 ਲਾਜ਼ਮੀ:

W
 ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
 ਪੌਦਾ ਵਿੱਤ ਅਫਸਰ, ਖ਼ਾਸਰੇ
 ਅਤੇ ਸੜੋਆਂ:

W
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ
W
 ਉਪ ਮੈਂਬਰ ਮੈਂਜਿਸਟਰੇਟ,
 ਬਲਾਕੋਂ:



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
2.	Araji Dariya Brahmad Rail/420	Bikram Singh/S/O Charanjit Singh	40//11,12, 41//25/1, 25/2 56//3/2, 4/1 57//1	5.00	40//18/1,18/2, 19,20,21,22,23

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਵਿਤਰਾਜ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਚਕਾ ਨੰਬਰਾਂ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।

3. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

[Signature]
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੂਪਨਗਰ:

[Signature]
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਗੋਰਸਨ (ਜਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰੀਦ
ਭਗਤ ਸਿੰਘਰ ਨਗਰ:

[Signature]
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ:

[Signature]
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਤਰੱਕੀ ਵਿਭਾਗ,
ਰੁਠਿਆਰਪੁਰ:

[Signature]
ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ:

[Signature]
ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਗੜ੍ਹਸ਼ੰਕਰ ਪੈਂਟ
ਨਵਾਸ਼ਹਿਰ:

[Signature]
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪ੍ਰੋਗਰਾਮ ਅਫਸਰ,ਬਲਾਚੌਰ
ਅਤੇ ਸ਼ੌਆ:

[Signature]
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜਿਲਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

[Signature]
ਉਪ ਮੰਡਲ ਮੈਨੇਜਰ
ਬਲਾਚੌਰ



Sl. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
4.	Araji Dariya Brahmad Rail/420	Jagjeet Singh SO Charanjeet Singh	34//10,11,20,25, 35//3,4,7,8,9,10/2,1,1,12,13,14,15,16,17,19,22,23 36//14,15,16,17,24,25 61//4,5	27.24	

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਰਕਬਾ ਨੇੜਲੇ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।
3. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਟਾਰਸ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Charanjeet Singh
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ;

Charanjeet Singh
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਵਿਰੀਗਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਭਗਤ ਸਿੰਘ ਨਗਰ;

Charanjeet Singh
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

Charanjeet Singh
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਡਾਕੂਮੈਂਟ ਵਿਭਾਗ,
 ਰੂਪਨਗਰ;

Charanjeet Singh
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

Charanjeet Singh
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਵਣ ਮੰਡਲ ਅਫਸਰ,
 ਕਸਬਾ ਚੌਰਾਹੜੀ ਅੰਤ
 ਨਵਾਂਸ਼ਹਿਰ;

Charanjeet Singh
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਪੈਦਾਇਸ਼ ਅਫਸਰ, ਬਲਾਕ ਚੌਰ
 ਅਤੇ ਸਰੋਆ;

Charanjeet Singh
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਚਰਨਜੀਤ ਸਿੰਘ
 ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ
 ਉਪ ਮੈਂਡਲ ਮੈਜਿਸਟਰੇਟ,
 ਬਲਾਕ ਚੌਰਾਹੜੀ



Sr. No.	Village/Hadbast Name	Khasra Number	Area (Acres)	Already in KML
5.	Araji Dariya Brahmad Rail/420	33//12,13,17,18,19,20 34//16,17	4.66	

1. ਉਪਰੋਕਤ ਇਮੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਚਕਬਾ ਨੇੜਲੇ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।
3. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Signature
 ਚੇਅਰਮੈਨ
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਡੀਗੈਸਟ (ਸਲ ਸਰੋਤ)
 ਚਿਤਾਗ, ਸਿਲੂ ਸਰੀਦ
 ਤਗਤ ਸਿੰਘਰ ਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੇਕ ਨਿਊਮਾਟ, ਚਿਤਾਗ,
 ਸਿਲੂ ਸਰੀਦ ਤਗਤ ਸਿੰਘ
 ਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਤਰੇਨੀਜ ਚਿਤਾਗ,
 ਹੁਲਿਆਰਪੁਰੀ;
 ਨਗਰ;

Signature
 ਮੁੱਖ ਮੈਂਬਰਾਂ ਦੀ ਖਫਾਗ,
 ਸਿਲੂ ਸਰੀਦ ਤਗਤ ਸਿੰਘ
 ਨਗਰ;

Signature
 ਵਟ ਮੰਡਲ ਅਰਸਰ,
 ਕਰਨਕਰ ਮੋਟ
 ਨਗਰ;

Signature
 ਪ੍ਰਾਇਮਰੀ ਅਫਸਰ, ਖਫਾਗ
 ਅਤੇ ਸਤੋਆ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਸਿਲੂ ਮਾਈਨਿੰਗ ਅਫਸਰ ਸਿਲੂ
 ਸਰੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ
Signature
 ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
 ਬਲਾਚੌਰ।



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
6.	Araji Dahiya Brahmad Rail/420	Harwinder Singh SO Paramjeet Singh	17//25 44//5	2.0	

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਚਕਬਾ ਨੇਤਲੇ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜ਼ਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।
3. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਰਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Signature
 ਕਮੇਟੀ ਦਾ ਮੈਂਬਰ
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਮ ਨੰਬਰ:

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਵਿਰੋਧੀਯੋਜਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਤਗਤ ਸਿੰਘ ਨਗਰ:

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ
 ਨਗਰ:

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਟਰੇਨਿੰਗ ਵਿਭਾਗ,
 ਰੂਰਿਆਚਪੁਰ:

Signature
 ਮੁੱਖ ਪੇਂਡੀਆਈ ਆਫਸਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ
 ਨਗਰ:

Signature
 ਚਾਰ ਮੈਂਬਰ ਆਫਸਰ,
 ਕਮਿਸ਼ਨਰ ਆਫ
 ਨਵਾਸ਼ਹਿਰ:

Signature
 ਆਈ. ਆਈ. ਆਈ. ਆਈ.
 ਪੈਰਾਮੀਟਰ ਆਫਸਰ, ਬਲਾਚਰ
 ਅਤੇ ਸ਼ਹੀਦ:

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਨਿਲ ਮਾਈਨਿੰਗ ਆਫਸਰ ਜਿਲ੍ਹਾ
 ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ
Signature
 ਉਪ ਮੰਤਰ ਮੰਜਿਸਟਰੇਟ,
 ਬਲਾਚਰ:



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
7.	Araji Dahiya Brahmad Rail/420	Amandeep Singh SO Jarnail Singh	Not Recommended		

- ਉਪਰੋਕਤ ਸਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ। ਇਸ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਰਕਬੇ ਤੇ ਡਰੇਨੇਜ ਵਿਭਾਗ, ਹੁਲਿਆਰਪੁਰ ਵੱਲੋਂ ਇਤਰਾਜ਼ ਲਗਾਇਆ ਗਿਆ ਹੈ।
- ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਰਕਬੇ ਦੀ ਸਿਫਾਰਸ਼ ਨਹੀਂ ਕੀਤੀ ਜਾਂਦੀ।









ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਚਾਰਜ ਪ੍ਰੋਜੈਕਟ ਕੰਟਰੋਲ
 ਡਿਵੀਜ਼ਨ, ਸਿਲੂ ਸਰੀਦ
 ਤਗਤ ਸਿੰਘ ਨਗਰ:

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਸਿਲੂ ਸਰੀਦ ਤਗਤ ਸਿੰਘ
 ਨਗਰ:

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਹੁਲਿਆਰਪੁਰ:
 ਨਗਰ:

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਪ੍ਰੋਜੈਕਟ ਵਿਭਾਗ ਅਤੇ
 ਪ੍ਰੋਜੈਕਟ ਖੇਤਰ, ਬਲਾਚੌਰ
 ਅਤੇ ਸਰੋਤ:
 ਸਰੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ

ਉਪ ਮੈਂਬਰ ਮੈਜਿਸਟਰੇਟ
 ਬਲਾਚੌਰ।



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
8.	Araji Dariya Brahmad Rail/420	Sourav Munga SO Prem Kumar	47//19/2,22 50//2,9,12,19	4.65	

1. ਉਪਰੋਕਤ ਇਸੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ। ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਰਕਬਾ ਨਤਲੇ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।
3. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਟਾਰਸ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Quanj...
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰੋਜ਼ੈਕਟ ਡਿਵੀਜ਼ਨ
ਬੇਰਹ, ਰੁਪਨਗਰ:

...
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਜੀਨੀਅਰ (ਜਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
ਭਗਤ ਸਿੰਘ ਨਗਰ:

...
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ:

...
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਡਰੇਜਿੰਗ ਵਿਭਾਗ,
ਰੁਇਆਰਪੁਰ:

...
ਮੁੱਖ ਮੁਖੀਆਈ ਆਫਸਰ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ:

...
ਵਣ ਮੰਡਲ ਆਫਸਰ,
ਫਤਹਿਗੜ੍ਹ ਸ਼ਹੀਦ
ਨਗਰ:

...
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪੇਂਸ਼ਨੀਟ ਆਫਸਰ, ਬਲਾਚੌਰ
ਅਤੇ ਸਭੋਆ:

...
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜ਼ਿਲ੍ਹਾ ਮਾਈਲਿੰਗ ਆਫਸਰ ਜਿਲ੍ਹਾ
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ
...
ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
ਬਲਾਚੌਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
9.	Araj Dahiya Brahmad Rail/420	Varinder Kaushal SO Murali Lal	42/19,20 43/7,3,8/2,9,12,13,15,16,17	10.25	42//11,12,

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ। ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਰਕਬਾ ਨੇੜਲੇ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜ਼ਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।
3. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Dijay Kumar
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਦੁਪਨਗਰ;

Amrith
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਵਿਕੀਗੋਲਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਹੀਦ
 ਭਗਤ ਸਿੰਘ ਨਗਰ;

W
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

W
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਦੁਸ਼ਿਅਰਪੁਰ;

Hlal
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

W
 ਵਟ ਮੰਡਲ ਅਫਸਰ,
 ਗੜ੍ਹਸ਼ੰਕਰ ਐਂਡ
 ਨਵਬਰਿਕ;

Atul Singh
 ਖੁਲਾਸੇ ਵਿਭਾਗ ਅਤੇ
 ਪੈਰਾਮੀਟਰ ਅਫਸਰ, ਖੁਲਾਸੇ
 ਅਤੇ ਸਰੋਤ;

W
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

W
 ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
 ਖੁਲਾਸੇ



Sr. No.	Village/Hadbast Name	Khasra Number	Area (Acre)	Already in KML
10.	Araji Daria Brahmad Rail/420	Ranju Chahal 46//13,14/1,14/2,15,16,17/1,20/2,21,24,25/1 49//15,25, 50//1/1,10/2, 11/1 81//5,6	8.57	46//17/2,18,19/2, 49//16

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ। ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਵਿਤਰਾਜ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਰਕਬਾ ਨੇੜਲੇ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜ਼ਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।
3. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Signature
 ਚੇਅਰਮੈਨ, ਸਿੱਜੀਐਮ, ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ, ਰੂਪਨਗਰ;

Signature
 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਇੰਡੀਰਾਸਟਨ (ਜਲ ਸਰੋਤ) ਵਿਭਾਗ, ਸਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਭਗਤ ਸਿੰਘ ਨਗਰ;

Signature
 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਲੋਕ ਸਿਰਮੌੜ, ਵਿਭਾਗ, ਸਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ;

Signature
 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਤਲੇਸ ਵਿਭਾਗ, ਰੂਪਨਗਰ;

Signature
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ, ਸਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ;

Signature
 ਏਫ ਮੈਂਡਰ ਅਫਸਰ, ਗੜ੍ਹਸੰਕਰ ਮੈਂਡ ਨਵਾਸ਼ਹਿਰ;

Signature
 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਸੀ, ਚਾਰਜ ਵਿਭਾਗ ਅਤੇ ਪੈਦਾਇਸ਼ ਅਫਸਰ, ਚਾਰਜ ਅਤੇ ਸਰੋਤ;

Signature
 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਸੀ, ਸਿਲ੍ਹਾ ਮਹੀਨੇਕਾ ਅਫਸਰ ਸਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Signature
 ਉਪ ਮੈਂਡਰ ਮੈਜਿਸਟਰੇਟ, ਬਠਿੰਦਾ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
11.	Araji Dariya Brahmad Bela Tajawal 421	Manpreet Singh SO Surjeet Singh	42//12,19,22, 49//10,11,15	5.55	49//4

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਫਿਤਰਾਜ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੂਪਨਗਰ,

Surjeet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਡੀਸਟਰੀਅਲ (ਲਫ ਸਰੋਤ)
ਵਿਭਾਗ, ਸਿਧੂ ਸਰੀਟ
ਭਗਤ ਸਿੰਘ ਨਗਰ;

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਸਿਧੂ ਸਰੀਟ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਡਿਪੈਨਸ ਵਿਭਾਗ,
ਰੂਪਿਅਲਪੁਰ,

Manpreet Singh
ਮੁੱਖ ਪੈਰੀਥਾਤੀ ਆਫਸਰ,
ਸਿਧੂ ਸਰੀਟ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Manpreet Singh
ਕੋਟ ਮੰਡਲ ਆਫਸਰ,
ਗੜ੍ਹਬੰਕਰ ਮੈਂਡ
ਨਵਾਂਬਰਿਹ;

Manpreet Singh
ਪੈਰਾਮਿਟ ਆਫਸਰ, ਖਲਾ ਚੌਰ
ਅਤੇ ਸਰੋਆਂ;

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਸਿਵਲ ਮਾਟੀਰੀਅਲ ਆਫਸਰ ਸਿਧੂ
ਸਰੀਟ ਭਗਤ ਸਿੰਘ ਨਗਰ

Manpreet Singh
ਉਪ ਮੰਡਲ ਮੈਂਜਮੈਂਟ ਓਫਿਸਰ
ਬਲਾਚੌਰਾ



Sr. No.	Village/Hadbast Name	Khasra Number	Area (Acre)	Already in KML
12	Araj Daria Brahmad Bels Tajawal 421	42/13,14	1.95	

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਟਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Q. Singh
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਚੂਪਨਗਰ:

Q. Singh
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਟੀਗਰੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰੀਦ
 ਤਕਤ ਸਿੰਘਰ ਨਗਰ:

Q. Singh
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਤਾਕ,
 ਜਿਲ੍ਹਾ ਸਰੀਦ ਤਕਤ ਸਿੰਘ
 ਨਗਰ:

W
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਰੂਇਆਲਪੁਰ:

H. Lal
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸਰੀਦ ਤਕਤ ਸਿੰਘ
 ਨਗਰ:

K
 ਚਣ ਮੰਡਲ ਅਫਸਰ,
 ਗੜ੍ਹਕੋਟ ਪੈਟ
 ਨਵਾਬਸ਼ਹਿਰ:

Prithvi Singh
 ਖੇਤੀਬਾੜੀ ਵਿਭਾਗ ਅਤੇ
 ਪੈਰਾਇਤ ਅਫਸਰ, ਬਲਾਚੋਰ
 ਅਤੇ ਸਕੋਆ:

J. Singh
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜ਼ਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸਰੀਦ ਤਕਤ ਸਿੰਘ ਨਗਰ

W. Singh
 ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
 ਬਲਾਚੋਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
14.	Araji Dahiya Brahmad Bela Tajowal 421	Paramjeet Singh SO Baldev Singh	19//18,19,20,21,22,23, 20//24,25, 41//23,24,25 48//3,5,6,7,10,11 49//13,14,15 50//6	19.57	48//1

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ। ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਰਾਬਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Amir Singh
 ਪ੍ਰਭਾਕਰ ਸਿੰਘ ਨੀਯਮਕਾਰ,
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੁਪਨਗਰ:

Amir Singh
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਵਿਕੀਗੋਲਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਭਗਤ ਸਿੰਘ ਨਗਰ:

R
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ:

G
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਰੁਇਆਲਪੁਰ:

H
 ਮੁੱਖ ਮੰਤਰੀਆਂ ਦੀ ਖੇਤਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ:

H
 ਚਣ ਮੋਹਲ ਖੇਤਰ,
 ਕਮਿਊਨਿਟੀ ਐਂਡ
 ਨਵਾਂਲਹਿਰ:

Amir Singh
 ਚੌਥਾਕ ਵਿਕਾਸ ਅਤੇ
 ਪੈਰਾਮਿਟਰ ਖੇਤਰ, ਮਲਾਚੰਦ
 ਅਤੇ ਸਤੋਆਂ;
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜਿਲ੍ਹਾ ਮਹਾਂਨਿਗ ਖੇਤਰ, ਜਿਲ੍ਹਾ
 ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Handwritten signature
 ਉਪ ਮੋਹਲ ਮੈਜਿਸਟਰੇਟ,
 ਬਲਾਚੌਰਾ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
15	Araji Daryya Brahmad Bela Paragpur 437	Gurdeep Singh SO Buta Singh	All the possible deposits have already been considered by the consultant and are recommended in KML file number PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09	NIL	

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਰਕਬੇ ਦੇ ਜੋ ਯੋਗ ਖਸਰਾ ਨੰਬਰ ਪਹਿਲਾਂ ਹੀ Consultant ਦੁਆਰਾ ਪ੍ਰਦਾਨ ਕੀਤੇ ਗਈ KML File ਦੀ ਸਾਈਟ ਨੰਬਰ PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09 ਵਿੱਚ ਮੌਜੂਦ ਹਨ। ਇਸ ਲਈ ਇਹਨਾਂ ਯੋਗ ਰਕਬੇ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਟਰਲ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਪਾਸਬ ਪ੍ਰੋਜੈਕਟ ਵੱਟਰਲ
 ਖੇਰਡ, ਰੂਪਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਡੀਗੋਲਨ (ਸਲ ਸਰੋਤ)
 ਵਿਡਾਗ, ਨਿਲੂ ਸਰੀਟ
 ਭਗਤ ਸਿੰਘ ਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਡਾਗ,
 ਨਿਲੂ ਸਰੀਟ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਟਰੇਨਿੰਗ ਵਿਡਾਗ,
 ਗੁਰਿਆਰਪੁਰ;

Signature
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਨਿਲੂ ਸਰੀਟ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

Signature
 ਵਣ ਮੰਡਲ ਅਫਸਰ,
 ਗੜ੍ਹਕੋਟਰ ਮੋੜ
 ਨਵਾਂਸ਼ਹਿਰ;

Signature
 ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
 ਪ੍ਰੋਗਰਾਮਿੰਗ ਅਫਸਰ, ਬਲਾਦੇਰ
 ਅਤੇ ਸੋਝਾਓ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਨਿਲੂ ਮਾਈਨਿੰਗ ਅਫਸਰ ਨਿਲੂ
 ਸਰੀਟ ਭਗਤ ਸਿੰਘ ਨਗਰ

Signature
 ਉਪ ਮੰਡਲ ਮੈਨੇਜਰ
 ਬਲਾਦੇਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already In KML
16.	Araj Daria Brahmad Bela Paragpur 437	Pritpal Singh SO Mahliner Singh	All the possible deposits have already been considered by the consultant and are recommended in KML file number PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09	NIL	

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਰਕਬੇ ਦੇ ਜੇ ਯੋਗ ਖਸਰਾਂ ਨੰਬਰ ਪਹਿਲਾਂ ਹੀ Consultant ਦੁਆਰਾ ਪ੍ਰਦਾਨ ਕੀਤੀ ਗਈ KML File ਦੀ ਸਾਈਟ PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09 ਵਿੱਚ

ਮੌਜੂਦ ਹਨ। ਇਸ ਲਈ ਇਹਨਾਂ ਯੋਗ ਰਕਬੇ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਰਲ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

[Signature]
 ਚਾਗੁਣ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰੋਜੈਕਟ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ:

[Signature]
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਜੀਨੀਅਰ (ਜਲ ਸਰੋਤ)
 ਫਿਡਾਕ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਭਗਤ ਸਿੰਘਰ ਨਗਰ:

[Signature]
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੇਕ ਨਿਰਮਾਣ, ਫਿਡਾਕ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ:

[Signature]
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਫਿਡਾਕ,
 ਗੁਇਆਰਪੁਰ:

[Signature]
 ਮੁੱਖ ਪਤੰਗਦਾਰੀ ਆਫਸਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ:

[Signature]
 ਫਟ ਮੈਡਨ ਫਿਡਾਕ,
 ਕਾਰਜਕਾਰੀ ਆਫਸਰ
 ਨਵਾਂਕਲਿਹ:

[Signature]
 ਬਲਾਕ ਵਿਕਾਸ ਆਫਿਸਰ
 ਪੈਦਾਇਤ ਆਫਸਰ, ਬਲਾਕ ਆਫਿਸ
 ਅਤੇ ਸਤੋਆਂ:

[Signature]
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਆਫਸਰ ਜਿਲ੍ਹਾ
 ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

[Signature]
 ਉਪ ਮੈਂਬਰ ਮੈਜਿਸਟਰੇਟ,
 ਬਲਾਕੋਰਾ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
17	Arajji Dariya Brahmad Bela Paragpur 437	Karnail Singh SO Gurdev Singh	All the possible deposits have already been considered by the consultant and are recommended in KML file number PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09	NIL	

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਰਕਬੇ ਦੇ ਜੇ ਯੋਗ ਖਸਰਾ ਨੰਬਰ ਪਹਿਲਾਂ ਹੀ Consultant ਦੁਆਰਾ ਪ੍ਰਦਾਨ ਕੀਤੇ ਗਈ KML File ਦੀ ਸਾਈਟ PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09 ਵਿੱਚ ਮੌਜੂਦ ਹਨ। ਇਸ ਲਈ ਇਹਨਾਂ ਯੋਗ ਰਕਬੇ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Amrinder Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੂਪਨਗਰ।

Amrinder Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਗੋਰੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰਹੰਦ
ਭਗਤ ਸਿੰਘ ਨਗਰ।

Amrinder Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸਰਹੰਦ ਤਕਤ ਸਿੰਘ
ਨਗਰ।

Amrinder Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਟਰੇਨਿੰਗ ਵਿਭਾਗ,
ਰੁਕਿਆਲਪੁਰ।

Amrinder Singh
ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਖੇਤਰ,
ਜਿਲ੍ਹਾ ਸਰਹੰਦ ਤਕਤ ਸਿੰਘ
ਨਗਰ।

Amrinder Singh
ਦਣ ਮੰਡਲ ਖੇਤਰ,
ਗੜ੍ਹਸੰਗਰ ਖੇਤਰ
ਨਵਾਸ਼ਹਿਰ।

Amrinder Singh
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪੌਦਾ-ਬਿੱਟ ਖੇਤਰ, ਬਲਾਚੰਦ
ਅਤੇ ਸਰੋਤ।

Amrinder Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਸੀ-
ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਖੇਤਰ, ਜਿਲ੍ਹਾ
ਸਰਹੰਦ ਤਕਤ ਸਿੰਘ ਨਗਰ

Amrinder Singh
ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
ਬਲਾਚੰਦ।



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
18	Araji Dariya Brahmad Bela Paragpur 437	Satwant singh Makhan Singh Surjeet kaur WO Makhan Singh	All the possible deposits have already been considered by the consultant and are recommended in KML file number PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09	Nil	

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਰਕਬੇ ਦੇ ਜੋ ਯੋਗ ਖਸਰਾ ਨੰਬਰ ਪਹਿਲਾਂ ਹੀ Consultant ਦੁਆਰਾ ਪੁਰਾਨ ਕੀਤੀ ਗਈ KML File ਦੀ ਸਾਈਟ PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09 ਵਿੱਚ ਮੌਜੂਦ ਰਨਾ ਇਸ ਲਈ ਇਹਨਾਂ ਯੋਗ ਰਕਬੇ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

(Signature)
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੂਪਨਗਰ।

(Signature)
ਭਾਰਤ ਸਰੀਦ
ਭਗਤ ਸਿੰਘ ਨਗਰ।

(Signature)
ਭਾਰਤ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ।

(Signature)
ਭਾਰਤ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ।

(Signature)
ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਘਟਸਰ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ।

(Signature)
ਵਟ ਮੰਡਲ ਘਟਸਰ,
ਰਾਜਕੀਯ ਮੰਡ
ਨਵਸ਼ਹਿਰ।

(Signature)
ਭਾਰਤ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ।

(Signature)
ਭਾਰਤ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ।

(Signature)
ਉਪ ਮੰਡਲ ਮੌਜੂਦਗ
ਬਲਾਚੋਗ



Sr. No.	Village/Hadbast	Name	Khasra Number	Already in KML
19	Araj Darya Brahmad Bela Paragpur 437	Maya Devi d/o Ashra Singh Navjot Singh Gursham-deep Singh SO Mandeep Singh	All the possible deposits have already been considered by the consultant and are recommended in KML file number PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09	

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਰਕਬੇ ਦੇ ਜੇ ਯੋਗ ਖਾਸਰਾਂ ਨੰਬਰ ਪਹਿਲਾਂ ਹੀ Consultant ਦੁਆਰਾ ਪ੍ਰਦਾਨ ਕੀਤੀ ਗਈ KML File ਦੀ ਸਾਈਟ PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09 ਵਿੱਚ ਮੌਜੂਦ ਹਨ। ਇਸ ਲਈ ਇਹਨਾਂ ਯੋਗ ਰਕਬੇ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਮਿਲਾਵਤ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

(Signature)
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ, ਰੂਪਨਗਰ;

(Signature)
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਟੀਗਰੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ

(Signature)
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ

(Signature)
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਡਰੈਨੇਜ ਵਿਭਾਗ,
ਰੂਪਨਗਰ;

(Signature)
ਮੁੱਖ ਪੜ੍ਹਾਈ ਅਫਸਰ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

(Signature)
ਵਟ ਮੈਂਬਰ ਅਫਸਰ,
ਗਰੀਬਪੁਰ ਐਂਡ
ਨਵਾਬਪੁਰ;

(Signature)
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪ੍ਰੋਗਰਾਮਿੰਗ ਅਫਸਰ, ਬਲਾਚੌਰ
ਅਤੇ ਸਰੋਮਾ;
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜਿਲ੍ਹਾ ਮਾਈਲਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

(Signature)
ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ
ਬਲਾਚੌਰ



Sr. No.	Village/Hadbaast	Name	Khasra Number	Already In KML
20	Araji Dariya Brahmad Bela Paragpur 437	Simranjeet Singh SO Baldev Singh		All the possible deposits have already been considered by the consultant and are recommended in KML file number PO_SN_BL_ST_06_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿਚ ਦਰਜ ਰਕਬੇ ਦੇ ਜੋ ਯੋਗ ਖਸਰਾਂ ਨੰਬਰ ਪਹਿਲਾਂ ਹੀ Consultant ਦੁਆਰਾ ਪ੍ਰਦਾਨ ਕੀਤੇ ਗਈ KML File ਦੀ ਸਾਈਟ PO_SN_BL_ST_05_07, PO_SN_BL_ST_08, PO_SN_BL_ST_09 ਵਿਚ ਮੌਜੂਦ ਹਨ। ਇਸ ਲਈ ਇਹਨਾਂ ਯੋਗ ਰਕਬੇ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

(Signature)
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰੋਟੈਕਟ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੂਪਨਗਰ;

(Signature)
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਡੀਗੋਲਨ (ਨਲ ਸਕੋਪ)
ਫਿਰਾਕ, ਜਿਲ੍ਹਾ ਸਰੀਦ
ਭਗਤ ਸਿੰਘਰ ਨਗਰ;

(Signature)
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਫਿਰਾਕ,
ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

(Signature)
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਟਰੇਲੋਜ਼ ਫਿਰਾਕ,
ਰੁਸਿਯਦਪੁਰ;

(Signature)
ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

(Signature)
ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਗੜ੍ਹਸੰਕਰ ਮੰਡ
ਨਵਾਂਸ਼ਹਿਰ;

(Signature)
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪ੍ਰੋਗਰਾਮਿੰਗ ਅਫਸਰ, ਬਲਾਚੌਰ
ਅਤੇ ਸਰੋਆਂ;

(Signature)
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜ਼ਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

(Signature)
ਉਪ ਮੰਡਲ ਮੌਜੂਦਗਰ
ਬਲਾਚੌਰ।



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
21	Aullapur 459	Manpreet Singh SO Surjit Singh Kuldeep Singh SO Puneet Singh Angad Singh SO Bhupinder Singh Karanveer singh	8//17,21 9//22, 11//11,12,17,18,19,20,21,22, 12//15,16,24/2,25 14//2/2,3,4 22//5 23//1	18.89	11//23,24, 12//6,7, 23//2,4/1,1.A/2,5,7,

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Manpreet Singh
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੂਪਨਗਰ;

Surjit Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਚਾਰਜ (ਸਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰੀਦ
ਭਗਤ ਸਿੰਘ ਨਗਰ;

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਡਰੈਨੇਜ ਵਿਭਾਗ,
ਰੂਪਨਗਰ;

Manpreet Singh
ਮੁੱਖ ਇੰਜੀਨੀਅਰ ਖੇਤਾਬ,
ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Manpreet Singh
ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਭਾਰਤੀ ਖੇਤਾਬ,
ਨਵਸ਼ਹਿਰ;

Manpreet Singh
ਬਲਾਕ ਵਿਕਾਸ ਅਫ਼ੀਸਰ
ਪੰਚਾਇਤ ਅਫਸਰ, ਬਲਾਚੋਰ
ਅਤੇ ਸਰੋਯਾਂ;

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Manpreet Singh
ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
ਬਲਾਚੋਰ।



No.	Village/Hadbast	Name	Khasra Number	Already in KML
22	Auliapur 459	Hardeep Singh	Not Recommended	

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤਾ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ। ਇਸ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਪਸਾਰਿਆਂ ਵਿੱਚ ਮਾਈਨਿੰਗ ਹੋਣ ਨਾਲ ਨੇਤਲੀ ਵਣ ਵਿਭਾਗ ਦੀ ਜ਼ਮੀਨ ਹੜ੍ਹ ਜਾਣ ਦਾ ਖਾਦਸਾ ਹੈ। ਇਸ ਲਈ ਵਣ ਵਿਭਾਗ ਵੱਲੋਂ ਇਸ ਉੱਪਰ ਇਤਰਾਜ਼ ਲਗਾਇਆ ਗਿਆ ਹੈ।

2. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਨਹੀਂ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

[Signature]
 ਵਾਹਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰੋਜੈਕਟ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੁਪਨਗਰ।

[Signature]
 ਵਾਹਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਗੀਰੀਅਰ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਲ ਸਰੋਤ
 ਭਗਤ ਸਿੰਘ ਨਗਰ।

[Signature]
 ਵਾਹਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਲ ਸਰੋਤ ਭਗਤ ਸਿੰਘ
 ਨਗਰ।

[Signature]
 ਵਾਹਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਰੁਪਨਗਰ।

[Signature]
 ਮੁੱਖ ਪੇਂਡੀਆਈ ਖੇਤਰ,
 ਜਲ ਸਰੋਤ ਭਗਤ ਸਿੰਘ
 ਨਗਰ।

[Signature]
 ਵਣ ਮੈਟਰ ਖੇਤਰ,
 ਗਰੁੱਪਕਰ ਐਂਡ
 ਨਵਾਂਬਹਿਰ।

[Signature]
 ਵਾਹਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਖੇਤਰ ਵਿਕਾਸ ਅਤੇ
 ਪ੍ਰਚਾਰਿਤ ਖੇਤਰ, ਬਲਾਦੇਰ
 ਅਤੇ ਸਤੋਆਂ।

[Signature]
 ਵਾਹਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜਲ ਮਾਈਨਿੰਗ ਖੇਤਰ ਜਲ
 ਸਰੋਤ ਭਗਤ ਸਿੰਘ ਨਗਰ।

[Signature]
 ਉਪ ਮੰਡਲ ਮੇਜਿਸਟਰੇਟ,
 ਬਲਾਦੇਰ।



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
23	Auliapur 459	Makhan Singh SO Hard Singh	12//3,8,17,18,23,24,	5.34	12//13,14,

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।
2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਟਾਰਸ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Wajid Khan
ਕਾਰਜਕਾਰੀ ਡਿਜੀਟਲਾਈਜ਼ੇਸ਼ਨ-ਸਮ-ਪ੍ਰੋਜੈਕਟ ਪ੍ਰਿੰਸੀਪਲ
ਬੋਰਡ, ਚੂਪਨਗਰ:

Singh
ਕਾਰਜਕਾਰੀ ਡਿਜੀਟਲਾਈਜ਼ੇਸ਼ਨ-ਸਮ-ਪ੍ਰੋਜੈਕਟ ਵਿਕੀਕੋਸ਼ਲ (ਸਲ ਸਰੋਤ) ਵਿਭਾਗ, ਨਿਸ਼ੂ ਸਹੀਦ ਤਗਤ ਸਿੱਖ ਨਗਰ:

[Signature]
ਕਾਰਜਕਾਰੀ ਡਿਜੀਟਲਾਈਜ਼ੇਸ਼ਨ-ਸਮ-ਪ੍ਰੋਜੈਕਟ ਲੇਖ ਨਿਰਮਾਣ, ਵਿਭਾਗ, ਨਿਸ਼ੂ ਸਹੀਦ ਤਗਤ ਸਿੱਖ ਨਗਰ:

[Signature]
ਕਾਰਜਕਾਰੀ ਡਿਜੀਟਲਾਈਜ਼ੇਸ਼ਨ-ਸਮ-ਪ੍ਰੋਜੈਕਟ ਡਾਟਾਬੇਜ ਵਿਭਾਗ, ਗੁਸਿਆਲਪੁਰ:

[Signature]
ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ, ਨਿਸ਼ੂ ਸਹੀਦ ਤਗਤ ਸਿੱਖ ਨਗਰ:

[Signature]
ਵਣ ਮੋਡਲ ਅਫਸਰ, ਰਾਜਕੁੰਬਰ ਖੇਤਰ ਨਵਾਂਸ਼ਹਿਰ:

[Signature]
ਕਾਰਜਕਾਰੀ ਡਿਜੀਟਲਾਈਜ਼ੇਸ਼ਨ-ਸਮ-ਪ੍ਰੋਜੈਕਟ ਖੇਤਰ ਵਿਕਾਸ ਅਤੇ ਪੈਦਾਵੇਂ ਅਫਸਰ, ਬਲਾਚੋਰ ਅਤੇ ਸਰੋਯ:

[Signature]
ਕਾਰਜਕਾਰੀ ਡਿਜੀਟਲਾਈਜ਼ੇਸ਼ਨ-ਸਮ-ਪ੍ਰੋਜੈਕਟ ਨਿਸ਼ੂ ਮਾਈਨਿੰਗ ਅਫਸਰ ਨਿਸ਼ੂ ਸਹੀਦ ਤਗਤ ਸਿੱਖ ਨਗਰ

[Signature]
ਉਪ ਮੋਡਲ ਮੈਨੇਜਰ/ਵ. ਬਲਾਚੋਰ।



Sr. No.	Village/Hadbast	Name	Khasra Number	Already in KML
24	Aullapur 459	Surjeet kaur WO Makhan singh	Not Recommended	

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ। ਇਹਨਾਂ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਖਸਰਿਆ ਵਿੱਚ ਮਾਈਨਿੰਗ ਹੋਣ ਨਾਲ ਨੇਤਰੀ ਵਣ ਵਿਭਾਗ ਦੀ ਜਾਮੀਨ ਰਕੂ ਜਾਣ ਦਾ ਖਦਸ਼ਾ ਹੈ। ਇਸ ਲਈ ਵਣ ਵਿਭਾਗ ਵੱਲੋਂ ਇਸ ਉੱਪਰ ਇਤਰਾਜ਼ ਲਗਾਇਆ ਗਿਆ ਹੈ।

2. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਨਹੀਂ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Surjeet Kaur
ਪੰਜਾਬ ਯੂਨੀਵਰਸਟੀ ਫੰਟਰੇਲ
ਬੋਰਡ, ਲੁਧਿਆਣਾ

Surjeet
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
ਭਗਤ ਸਿੰਘ ਨਗਰ;

Surjeet
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Surjeet
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਡਰੈਨੇਜ ਵਿਭਾਗ,
ਗੁਇਆਰਪੁਰ;

Surjeet
ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Surjeet
ਵਣ ਮਿਸ਼ਨ ਅਫਸਰ,
ਗੜ੍ਹਸ਼ੰਕਰ ਐਂਡ
ਨਵਾਂਸ਼ਹਿਰ;

Surjeet
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪੈਦਾਇਜ਼ ਅਫਸਰ, ਬਲਾਚੌਰ
ਅਤੇ ਸ਼ਹੀਦ ਸਿੰਘ ਨਗਰ

Surjeet
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਸਿਲਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Surjeet
ਉਪ ਮੈਂਬਰ ਮੈਜਿਸਟਰੇਟ,
ਬਲਾਚੌਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
25	Auliapur 459	Surjeet kaur WO Makhan Singh	12//1,9,10,12,19,20,22/1	5.69	

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Surjeet Kaur
ਕਮੇਟੀ ਦੀ ਮੈਂਬਰ
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੁਪਨਗਰ;

Surjeet Kaur
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਗਲੈਂਡ (ਜਲ ਸਰੋਤ)
ਰਿਭਾਗ, ਨਿਲੂ ਸਰੀਦ
ਭਗਤ ਸਿੰਘ ਨਗਰ;

Surjeet Kaur
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਰਿਭਾਗ,
ਨਿਲੂ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Surjeet Kaur
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਤਰੱਕੀ ਰਿਭਾਗ,
ਰੁਪਨਗਰ;

Surjeet Kaur
ਮੁੱਖ ਪ੍ਰੋਗਰਾਮੀ ਆਫਸਰ,
ਨਿਲੂ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Surjeet Kaur
ਵਾਟ ਮੰਡਲ ਆਫਸਰ,
ਕਾਰਜਕਾਰੀ ਮੈਂਬਰ
ਨਵਾਬਗੜ੍ਹ;

Surjeet Kaur
ਖੁਲਾਸੇ ਵਿਕਾਸ ਅਤੇ
ਪ੍ਰੋਗਰਾਮ ਆਫਸਰ, ਖੁਲਾਸੇ
ਅਤੇ ਸਰੋਤ;

Surjeet Kaur
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਆਮ
ਨਿਲੂ ਮਾਈਨਿੰਗ ਆਫਸਰ ਨਿਲੂ
ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Surjeet Kaur
ਉਪ ਮੰਡਲ ਮੈਨੇਜਰ/ਟੈਂਟ
ਬਲਾਕ/ਚੋਲਾ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acres)	Already in KML
27	Audhapur 459	Anandpreet Singh Oberoi SO Paramjeet Singh Oberoi Lakhwinder Kaur Cheema w/o Tarwinder Singh Cheema	22//3,4,7,	2.84	

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Deepraj Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੂਪਨਗਰ;

Harsh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਗੋਰੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
ਭਗਤ ਸਿੰਘ ਨਗਰ;

Ar
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Ar
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਡਰੈਨੇਜ ਵਿਭਾਗ,
ਰੂਪਨਗਰ;

Ar
ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ;

Ar
ਰਣ ਮੰਡਲ ਅਫਸਰ,
ਗੜ੍ਹਲੰਕਰ ਐਂਡ
ਨਵਾਂ ਬਠਿੰਦਰ;

Ar
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪੌਦਾਇਤ ਅਫਸਰ, ਬਲਾਦੇਰ
ਅਤੇ ਸੁਭੋਆ;

Ar
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜ਼ਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Ar
ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ
ਬਲਾਦੇਰ



St. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
28	Rail 419	Manpreet Singh SO Surjeet Singh	180//8,9,11,12,13,	5.24	

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਰਕਬਾ ਨੇੜਲੇ ਹਾਈਵੇ ਪੁਲ ਤੋਂ 01 ਕਿਲੋਮੀਟਰ ਤੋਂ ਜਿਆਦਾ ਦੂਰੀ ਤੇ ਸਥਿਤ ਹੈ।

3. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਟਾਰਸ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੁਪਨਗਰ।

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇਕੀਗੋਲਨ (ਸਲ ਸਰੋਤ)
ਵਿਤਾਗ, ਜਿਲ੍ਹਾ ਸਰੀਦ
ਤਰਤ ਸਿੰਘਰ ਨਗਰ।

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਤਾਗ,
ਜਿਲ੍ਹਾ ਸਰੀਦ ਤਰਤ ਸਿੰਘ
ਨਗਰ।

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਟਰੇਨਿੰਗ ਵਿਤਾਗ,
ਰੁਠਿਆਰਪੁਰ।

Manpreet Singh
ਮੁੱਖ ਮਹੀਕਾਤੀ ਅਫਸਰ,
ਜਿਲ੍ਹਾ ਸਰੀਦ ਤਰਤ ਸਿੰਘ
ਨਗਰ।

Manpreet Singh
ਵਟ ਮੰਡਲ ਅਫਸਰ,
ਗਬੁਰਕਰ ਮੈਂਡ
ਨਵਾਬਗਿਰ।

Manpreet Singh
ਬਲਾਕ ਵਿਕਾਸ ਅਫਸਰ,
ਪੇਰਾਇਤ ਅਫਸਰ, ਬਲਾਚੋਰ
ਅਤੇ ਸਰੋਤ।

Manpreet Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜਿਲ੍ਹਾ ਮਾਊਂਟਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
ਸਰੀਦ ਤਰਤ ਸਿੰਘ ਨਗਰ
ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
ਬਲਾਚੋਰ।



Sr. No	Village/Hadba st	Name	Khasra Number	Area (Acre)
29	Chandpur Rurki 366	Binder Kumar Sarpanch	45//1,12,13/1,15,16,17/1,18,19,20/1,20/2,21/1,21/2,21/3,22/1,22/2,23,24,25 46//1,2/1,2/2,25,54//1,2/1,2/2,3,4/1,4/2,4/3,5/1,5/2,6,7/1,7/2,8/1,8/2,9,10,11,12,13,14,15,16,17,18,19,20/1,20/2,2 0/3,20/4,21/1,21/2,22,23,24,25 55//1,2,3/1,3/2,4,5/1,5/2,6/1,6/2,7/1,7/2,8,9/1,9/2,11/3,12,13,14/1,14/2,15/1,15/2,16/1,16/2,16/3,17/1,17/2, 18,19,20,21,22,23,24/1,24/2,25/1,25/2 56//1/1,1/2,1/3,2/1,2/2,2/3,3,4,5,6,8,9,10,11,12/1,12/2,13/1,14/1,14/2,14/3,15/1,15/2,16/1,16/2,16/3,17/1,17/2, 18,19,20,21/1,21/2,21/3,22,23,24/1,24/2,25/1 57//14,15,21,23,24,25/1,25/2,25/3 60//8,13,14,15,16,17,18,19,20,21,22,23,24/1,25 61//1,2,3,4,5/1,5/2,5/3,6,7/1,7/2,8,9,10,11,12,13,14/1,14/2,15/1,15/2,16/1, 16/2,17/1,17/2,18/1,18/2,19,20,21/1,21/2,22/1,22/2,23,24/1,24/2,25/1,25/2,25/3 62//1-25, 68//1-25, 69//1-25, 70//1-25 73//1/1/3,1/2/1,1/2/2,2/1/3,2/2,3/1/2,3/2,4/1,4/2,18,19/1,19/2,20/1,20/2,21,22/1,22/2,23,24/1,24/2,24/3, 25, 80//1/1,1/2,2/1,2/2,3/1,3/2,4/1,4/2,5/1,5/2,5/3,5/4,6/1,6/2,6/3,7/1,7/2,8/1,8/2,9/1,9/2,9/3,10/1,10/2, 11/1,11/2,12/1,13/1,13/2,14,15/1,15/2,15/3,25/1,25/2, 81//9,10,11,12,13,16/2,17/1,17/2,18,19/1,19/2,20/1,20/2,21/1,21/2,22,23,24,25/1,25/2 84//6,7/1,7/2,8,9/1,10/1,10/2,11/1,11/2,12,13/1,13/2,14/1,14/2,14/3,15,16,17/1,17/2,18,19,20,21/1,21/2,22, 23/1,23/2,24/1,24/2,25 85//1/1,1/2,4,5,6/1,8,9/1,9/2,10,11,12,13/1,13/2,14,19,20,21,22	235.84

ਉਪਰੋਕਤ ਕੇਸ ਕਮੇਟੀ ਵਿੱਚ ਵਿਚਾਰਿਆ ਗਿਆ। ਇਸ ਸਬੰਧੀ ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ, ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ, ਰੂਪਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਇਰੀਗੇਸ਼ਨ (ਜਲ ਸਰੋਤ) ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਡਰੇਨੇਜ ਵਿਭਾਗ, ਰੁਸ਼ਿਆਰਪੁਰ, ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ ਪੰਚਾਇਤ ਅਫਸਰ, ਬਲਾਚੌਰ ਅਤੇ ਸਤੋਆ ਅਤੇ ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ, ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਨੂੰ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ। ਇਸ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 1601 ਐਮ.ਸੀ./ਮਿਤੀ 10.12.2022 ਅਤੇ ਪੱਤਰ ਨੰਬਰ 1602 ਐਮ.ਸੀ ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਂਟ ਗਰੁੱਪਕਰ ਤੋਂ ਜਵਾਬ ਮੰਗਿਆ ਗਿਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਂਟ ਗਰੁੱਪਕਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 6383 ਮਿਤੀ 13.12.2022, 357-BL ਮਿਤੀ 10.12.2022 ਅਤੇ 359-BLC ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਜਵਾਬ ਪ੍ਰਾਪਤ ਹੋਇਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਂਟ ਗਰੁੱਪਕਰ ਵੱਲੋਂ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਪਿੰਡ ਚਾਂਦਪੁਰ ਰੁੜੀ ਦੇ ਖਸਰਾ ਨੰਬਰ
















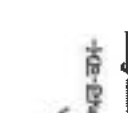
30/45

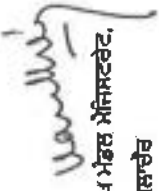


ਸਰਕਾਰ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6087 ਰਾਹੀਂ ਹੇਠ ਲਿਖੀਆਂ ਸਰਤਾਂ ਨਾਲ De-list ਕਰ ਦਿੱਤੇ ਗਏ ਸਨ:-

1. The State Government shall ensure that no commercial activity is permitted on such de-listed land.
2. The de-listed land shall be used only for bonafide use for agriculture and for sustaining the livelihood of the people/owner of the land.
3. No further part compliance will be entertained in respect of remaining area/villages/districts.

ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਬੰਕਰ ਵੱਲੋਂ ਇਹ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਖਸਰਾਂ ਨੰਬਰਾਂ ਦਾ ਰਕਬਾ ਵਣ ਵਿਭਾਗ ਦਾ ਨਹੀਂ ਹੈ ਅਤੇ ਨਾ ਹੀ ਵਣ ਵਿਭਾਗ ਦੇ ਅਧਿਕਾਰ ਖੇਤਰ ਵਿੱਚ ਆਉਂਦਾ ਹੈ। ਪ੍ਰਾਚੀ ਵੱਲੋਂ ਦਰਖਾਸਤ ਨਾਲ ਜੋ ਦਸਤਾਵੇਜ਼ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਵਿੱਚ ਦਾਇਰ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਰੁਕਮ ਮਿਤੀ 28.05.2014 ਨਾਲ ਨੰਬੀ ਕੀਤੇ ਗਏ ਹਨ ਨੂੰ ਘੋਖਿਆ ਗਿਆ ਹੈ। ਉਪਰੋਕਤ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਵਿੱਚ ਵਣ ਵਿਭਾਗ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ ਨੰਬਰ 39/578/2005-FT-III/6085 dated 13.08.2010 ਅਤੇ ਉਸ ਵਿੱਚ ਦਰਜ ਸਰਤਾਂ ਨੂੰ ਚੈਲੰਜ ਕੀਤਾ ਗਿਆ ਹੈ। ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮਾਂ ਵਿੱਚ ਇਹ ਕਿਹਾ ਗਿਆ ਹੈ ਕਿ "The notifications would in substance apply only in case the land in question is forest land in the revenue record" ਉਪਰੋਕਤ ਖਸਰਾਂ ਨੰਬਰਾਂ ਦੀ ਜ਼ਮੀਨ ਪ੍ਰਾਈਵੇਟ ਮਾਲਕੀ ਹੈ। ਮਾਲ ਵਿਭਾਗ ਦੇ Revenue Record (ਜਮਾਬੰਦੀ) ਵਿੱਚ ਖਾਨਾ ਨੰਬਰ 07 ਜ਼ਮੀਨ ਦੀ ਕਿਸਮ ਦਾ ਖਾਨਾ ਦੁੱਦਾ ਹੈ। Revenue Record (ਜਮਾਬੰਦੀ) ਦੇ ਖਾਨਾ ਨੰਬਰ 07 ਅਨੁਸਾਰ ਇਹ Forest land ਨਹੀਂ ਹੈ। ਇਸ ਲਈ ਉਪਰੋਕਤ ਸਾਰੇ ਤੱਥਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਦੇ ਮਿਤੀ 28.05.2014 ਦੇ ਹੁਕਮਾਂ ਨੂੰ ਮੁੱਖ ਰੱਖਦੇ ਹੋਏ ਉਪਰੋਕਤ ਖਸਰਾਂ ਨੰਬਰਾਂ ਨੂੰ ਇਸ ਸ਼ਰਤ ਤੇ ਯੋਗ ਪ੍ਰਾਪਤ ਜਾਂਦਾ ਹੈ ਕਿ ਸਰਕਾਰ ਨਿਯਮਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਮਿਤੀ 28.05.2014 ਹੁਕਮਾਂ ਦੀ ਰੋਸ਼ਨੀ ਵਿੱਚ ਮੁੜ ਵਿਚਾਰ ਕਰ ਸਕਦੀ ਹੈ।

	ਪੰਜਾਬ ਪ੍ਰਾਇਮਰੀ ਵੱਟਰੋਲ ਬੋਰਡ, ਰੂਪਨਗਰ;		ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਇੰਡੀਕੇਸ਼ਨ (ਜਲ ਸਰੋਤ) ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰੀਦ ਨਗਰ, ਭਗਤ ਸਿੰਘ ਨਗਰ;		ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਲੇਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ;		ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਟਰੇਨਿੰਗ ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ;		ਮੁੱਖ ਪੌਦੀਥਾਈ ਅਫਸਰ, ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ;		ਵਣ ਮੰਡਲ ਅਫਸਰ, ਗੜ੍ਹਬੰਕਰ ਐਂਡ ਨਵਾਂਸ਼ਹਿਰ;		ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-ਖਲਾਕ ਵਿਕਾਸ ਅਤੇ ਪੱਕਾਇਤ ਅਫਸਰ, ਬਲਾਚੌਰ ਅਤੇ ਸਰੋਆਂ;		ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ;
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ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ, ਬਲਾਚੌਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
30	Chandpur Rurki 366	Nirmal Singh SO Mahanga singh	14/25	1.00	

ਉਪਰੋਕਤ ਕੇਸ ਕਮੇਟੀ ਵਿੱਚ ਵਿਚਾਰਿਆ ਗਿਆ। ਇਸ ਸਬੰਧੀ ਵਤਾਵਰਣ ਇੰਜੀਨੀਅਰ, ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ, ਰੂਪਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਇੰਜੀਨੀਅਰ (ਜਲ ਸੰਚੇਤ) ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਡਰੇਨੇਜ ਵਿਭਾਗ, ਰੁਸਿਆਰਪੁਰ, ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ ਪੱਚਾਇਤ ਅਫਸਰ, ਬਲਾਚੌਰ ਅਤੇ ਸੜੇਆ ਅਤੇ ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ, ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਨੂੰ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ। ਇਸ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 1601 ਐਮ.ਸੀ./ਮਿਤੀ 10.12.2022 ਅਤੇ ਪੱਤਰ ਨੰਬਰ 1602 ਐਮ.ਸੀ ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ੰਕਰ ਤੋਂ ਜਵਾਬ ਮੰਗਿਆ ਗਿਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ੰਕਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 6383 ਮਿਤੀ 13.12.2022, 357-BL ਮਿਤੀ 10.12.2022 ਅਤੇ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ੰਕਰ ਤੋਂ ਜਵਾਬ ਪ੍ਰਾਪਤ ਹੋਇਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ੰਕਰ ਵੱਲੋਂ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਪਿੰਡ ਚਾਂਦਪੁਰ ਰੁੜਕੀ ਦੇ ਖਸਰਾ ਨੰਬਰ 359-BLC ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਜਵਾਬ ਪ੍ਰਾਪਤ ਹੋਇਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ੰਕਰ ਵੱਲੋਂ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਪਿੰਡ ਚਾਂਦਪੁਰ ਰੁੜਕੀ ਦੇ ਖਸਰਾ ਨੰਬਰ 39/578/2005-FT-III/6087 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6087 ਰਾਹੀਂ ਹੇਠ ਲਿਖੀਆਂ ਸਰਤਾਂ ਨਾਲ De-list ਕਰ ਦਿੱਤੇ ਗਏ ਸਨ:-

1. The State Government shall ensure that no commercial activity is permitted on such de-listed land.
2. The de-listed land shall be used only for bonafide use for agriculture and for sustaining the livelihood of the people / owner of the land.










3. No further part compliance will be entertained in respect of remaining area/villages/districts.


ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਸ਼ਹਿਰ ਐਂਟ ਗੜ੍ਹਸ਼ੈਕਰ ਵੱਲੋਂ ਇਹ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਖਸਰਾਂ ਨੰਬਰਾਂ ਦਾ ਰਕਬਾ ਵਣ ਵਿਭਾਗ ਦਾ ਨਹੀਂ ਹੈ ਅਤੇ ਨਾ ਹੀ ਵਣ ਵਿਭਾਗ ਦੇ ਅਧਿਕਾਰ ਖੇਤਰ ਵਿੱਚ ਆਉਂਦਾ ਹੈ। ਪੂਰਬੀ ਵੱਲੋਂ ਦਰਖਾਸਤ ਨਾਲ ਜੋ ਦਸਤਾਵੇਜ਼ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਵਿੱਚ ਦਾਇਰ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮ ਮਿਤੀ 28.05.2014 ਨਾਲ ਨੰਬੀ ਕੀਤੇ ਗਏ ਹਨ ਨੂੰ ਖੋਖਿਆ ਗਿਆ ਹੈ। ਉਪਰੋਕਤ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਵਿੱਚ ਵਣ ਵਿਭਾਗ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6087 Dated 13.08.2010 ਅਤੇ ਉਸ ਵਿੱਚ ਦਰਜ ਸ਼ਰਤਾਂ ਨੂੰ ਚੈਲੰਜ ਕੀਤਾ ਗਿਆ ਹੈ। ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮਾਂ ਵਿੱਚ ਕਿਹਾ ਗਿਆ ਹੈ ਕਿ "The notifications would in substance apply only in case the land in question is forest land in the revenue record" ਉਪਰੋਕਤ ਖਸਰਾਂ ਦੀ ਜਮੀਨ ਪ੍ਰਾਈਵੇਟ ਮਾਲਕੀ ਹੈ। ਮਾਲ ਵਿਭਾਗ ਦੇ Revenue Record (ਜਮਾਬੰਦੀ) ਵਿੱਚ ਖਾਨਾ ਨੰਬਰ 07 ਜਮੀਨ ਦੀ ਕਿਸਮ ਦਾ ਖਾਨਾ ਹੁੰਦਾ ਹੈ। Revenue Record (ਜਮਾਬੰਦੀ) ਦੇ ਖਾਨਾ ਨੰਬਰ 07 ਅਨੁਸਾਰ ਇਹ Forest land ਨਹੀਂ ਹੈ। ਇਸ ਲਈ ਉਪਰੋਕਤ ਸਾਰੇ ਤੱਥਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਦੇ ਮਿਤੀ 28.05.2014 ਦੇ ਹੁਕਮਾਂ ਨੂੰ ਮੁੱਖ ਰੱਖਦੇ ਹੋਏ ਉਪਰੋਕਤ ਖਸਰਾਂ ਨੰਬਰਾਂ ਨੂੰ ਇਸ ਸ਼ਰਤ ਤੇ ਯੋਗ ਪਾਇਆ ਜਾਂਦਾ ਹੈ ਕਿ ਸਰਕਾਰ ਨਿਯਮਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਮਿਤੀ 28.05.2014 ਹੁਕਮਾਂ ਦੀ ਰੋਸ਼ਨੀ ਵਿੱਚ ਮੁੜ ਵਿਚਾਰ ਕਰ ਸਕਦੀ ਹੈ।


 ਚੰਡੀਗੜ੍ਹ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ;


 ਭਾਰਤ ਸਰਕਾਰ, ਚੰਡੀਗੜ੍ਹ,
 ਚੰਡੀਗੜ੍ਹ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰੋਤ
 ਭਾਰਤ ਸਰਕਾਰ, ਨਗਰ;

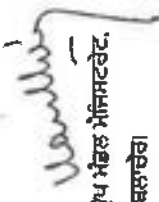

 ਭਾਰਤ ਸਰਕਾਰ, ਚੰਡੀਗੜ੍ਹ,
 ਨੇਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸਰੋਤ ਭਾਰਤ ਸਰਕਾਰ,
 ਨਗਰ;


 ਭਾਰਤ ਸਰਕਾਰ, ਚੰਡੀਗੜ੍ਹ,
 ਫੋਰੈਸਟ ਵਿਭਾਗ,
 ਚੰਡੀਗੜ੍ਹ;


 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸਰੋਤ ਭਾਰਤ ਸਰਕਾਰ,
 ਨਗਰ;


 ਵਣ ਮੰਡਲ ਅਫਸਰ,
 ਚੰਡੀਗੜ੍ਹ ਐਂਟ
 ਨਵਾਸ਼ਹਿਰ;


 ਭਾਰਤ ਸਰਕਾਰ, ਚੰਡੀਗੜ੍ਹ-ਭਮ-
 ਪੰਜਾਬ ਵਿਭਾਗ ਅਤੇ
 ਪੰਜਾਬ ਮਹਾਂਨਿਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸਰੋਤ ਭਾਰਤ ਸਰਕਾਰ
 ਅਤੇ ਸਰੋਤਾਂ;


 ਉਪ ਮੰਡਲ ਮੇਜਿਸਟਰੇਟ,
 ਬਲਾਚੋਰ।

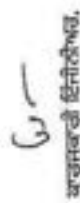



ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸਹਿਰ ਐਂਟ ਗਰੁੱਪਕਰ ਵੱਲੋਂ ਇਹ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਖਸਰਾਂ ਦਾ ਰਕਬਾ ਵਣ ਵਿਭਾਗ ਦਾ ਨਹੀਂ ਹੈ ਅਤੇ ਨਾ ਹੀ ਵਣ ਵਿਭਾਗ ਦੇ ਅਧਿਕਾਰ ਖੇਤਰ ਵਿੱਚ ਆਉਂਦਾ ਹੈ। ਪੂਰਬੀ ਵੱਲੋਂ ਦਰਖਾਸਤ ਨਾਲ ਜੋ ਦਸਤਾਵੇਜ਼ ਅਤੇ ਹਰਿਆਣਾ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਵਿੱਚ ਦਾਇਰ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮ ਮਿਤੀ 28.05.2014 ਨਾਲ ਨੱਥੀ ਕੀਤੇ ਗਏ ਹਨ ਨੂੰ ਘੋਖਿਆ ਗਿਆ ਹੈ। ਉਪਰੋਕਤ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਵਿੱਚ ਵਣ ਵਿਭਾਗ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6087 Dated 13.08.2010 ਅਤੇ ਉਸ ਵਿੱਚ ਦਰਜ ਸ਼ਰਤਾਂ ਨੂੰ ਚੈਲੰਜ ਕੀਤਾ ਗਿਆ ਹੈ। ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮਾਂ ਵਿੱਚ ਕਿਹਾ ਗਿਆ ਹੈ ਕਿ "The notifications would in substance apply only in case the land in question is forest land in the revenue record" ਉਪਰੋਕਤ ਖਸਰਾਂ ਦੀ ਜਮੀਨ ਪ੍ਰਾਈਵੇਟ ਮਾਲਕੀ ਹੈ। ਮਾਲ ਵਿਭਾਗ ਦੇ Revenue Record (ਜਮਾਬੰਦੀ) ਵਿੱਚ ਖਾਨਾ ਨੰਬਰ 07 ਜਮੀਨ ਦੀ ਕਿਸਮ ਦਾ ਖਾਨਾ ਹੁੰਦਾ ਹੈ। Revenue Record (ਜਮਾਬੰਦੀ) ਦੇ ਖਾਨਾ ਨੰਬਰ 07 ਅਨੁਸਾਰ ਇਹ Forest land ਨਹੀਂ ਹੈ। ਇਸ ਲਈ ਉਪਰੋਕਤ ਸਾਰੇ ਤੱਥਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਦੇ ਮਿਤੀ 28.05.2014 ਦੇ ਹੁਕਮਾਂ ਨੂੰ ਮੁੱਖ ਰੱਖਦੇ ਹੋਏ ਉਪਰੋਕਤ ਖਸਰਾਂ ਨੰਬਰਾਂ ਨੂੰ ਇਸ ਸ਼ਰਤ ਤੇ ਯੋਗ ਪਾਇਆ ਜਾਂਦਾ ਹੈ ਕਿ ਸਰਕਾਰ ਨਿਯਮਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਮਿਤੀ 28.05.2014 ਹੁਕਮਾਂ ਦੀ ਰੇਸ਼ਨੀ ਵਿੱਚ ਮੁੜ ਵਿਚਾਰ ਕਰ ਸਕਦੀ ਹੈ।



 ਚੰਡੀਗੜ੍ਹ ਏਜੰਟ
 ਪੰਜਾਬ ਪ੍ਰਦਾਨ ਕੰਟਰੋਲ
 ਖੇਤਰ, ਰੁਪਨਗਰ;



 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਡੀਕੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਭਗਤ ਸਿੰਘ ਨਗਰ;



 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਨੇਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

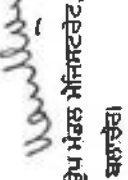

 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਮੇਜ਼ ਵਿਭਾਗ,
 ਰੂਰਿਆਰਪੁਰ;


 ਮੁੱਖ ਪੇਂਡੀਕਾਰੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;


 ਵਣ ਮੰਡਲ ਅਫਸਰ,
 ਗੜ੍ਹਕੋਟਰ ਐਂਡ
 ਨਵਾਂਸਹਿਰ;


 ਖਲਾਕ ਵਿਭਾਗ ਅਤੇ
 ਪੈਰਾਮਿਟਿ ਅਫਸਰ, ਬਠਾਂਦਰ
 ਅਤੇ ਸੜੋਆਂ;


 ਚਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜਿਲ੍ਹਾ ਮਾਰੀਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ


 ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
 ਬਠਾਂਦਰ।



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
32	Chandpur Runki 366	Pardeep Kaur WO Santokh Singh	54//3,4/1,4/2,4/3,5/1,5/2,7/1	3.46	

ਉਪਰੋਕਤ ਕੇਸ ਕਮੇਟੀ ਵਿੱਚ ਵਿਚਾਰਿਆ ਗਿਆ। ਇਸ ਸਬੰਧੀ ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ, ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ, ਰੂਪਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਇੰਜੀਨੀਅਰ (ਜਲ ਸਰੋਤ) ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਡਰੇਨੇਜ ਵਿਭਾਗ, ਹੁਸ਼ਿਆਰਪੁਰ, ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਬਲਾਚੇਰ ਅਤੇ ਪੰਚਾਇਤ ਅਫਸਰ, ਬਲਾਚੇਰ ਅਤੇ ਸੌਆ ਅਤੇ ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ, ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਨੂੰ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ। ਇਸ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 1601 ਐਮ.ਸੀ./ਮਿਤੀ 10.12.2022 ਅਤੇ ਪੱਤਰ ਨੰਬਰ 1602 ਐਮ.ਸੀ ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ੰਕਰ ਤੋਂ ਜਵਾਬ ਮੰਗਿਆ ਗਿਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ੰਕਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 6383 ਮਿਤੀ 13.12.2022, 357-BL ਮਿਤੀ 10.12.2022 ਅਤੇ 359-BLC ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਜਵਾਬ ਪ੍ਰਾਪਤ ਹੋਇਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ੰਕਰ ਵੱਲੋਂ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਪਿੰਡ ਚਾਂਦਪੁਰ ਰੁੜਕੀ ਦੇ ਖਸਰਾ ਨੰਬਰਾਂ ਸਰਕਾਰ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6087 ਰਾਹੀਂ ਹੇਠ ਲਿਖੀਆਂ ਸਰਤਾਂ ਨਾਲ De-list ਕਰ ਦਿੱਤੇ ਗਏ ਸਨ:-

1. The State Government shall ensure that no commercial activity is permitted on such de-listed land.
2. The de-listed land shall be used only for bonafide use for agriculture and for sustaining the livelihood of the people/owner of the land.

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3. No further part compliance will be entertained in respect of remaining area/villages/districts.

ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਂਟ ਗੜ੍ਹਸੰਕਰ ਵੱਲੋਂ ਇਹ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਖਸਰਾਂ ਨੰਬਰਾਂ ਦਾ ਰਕਬਾ ਵਣ ਵਿਭਾਗ ਦਾ ਨਹੀਂ ਹੈ ਅਤੇ ਨਾ ਹੀ ਵਣ ਵਿਭਾਗ ਦੇ ਅਧਿਕਾਰ ਖੇਤਰ ਵਿੱਚ ਆਉਂਦਾ ਹੈ। ਪੂਰਬੀ ਵੱਲੋਂ ਦਰਖਾਸਤ ਨਾਲ ਜੋ ਦਸਤਾਵੇਜ਼ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਵਿੱਚ ਦਾਇਰ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮ ਮਿਤੀ 28.05.2014 ਨਾਲ ਨੋਬੀ ਕੀਤੇ ਗਏ ਹਨ ਨੂੰ ਖੋਲਿਆ ਗਿਆ ਹੈ। ਉਪਰੋਕਤ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਵਿੱਚ ਵਣ ਵਿਭਾਗ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6087 Dated 13.08.2010 ਅਤੇ ਉਸ ਵਿੱਚ ਦਰਜ ਸ਼ਰਤਾਂ ਨੂੰ ਚੈਲੰਜ ਕੀਤਾ ਗਿਆ ਹੈ। ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ. ਚੰਡੀਗੜ੍ਹ "39/578/2005-FT-III/6087 Dated 13.08.2010 ਅਤੇ ਉਸ ਵਿੱਚ ਦਰਜ ਸ਼ਰਤਾਂ ਨੂੰ ਚੈਲੰਜ ਕੀਤਾ ਗਿਆ ਹੈ। ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ. ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮਾਂ ਵਿੱਚ ਇਹ ਕਿਹਾ ਗਿਆ ਹੈ ਕਿ "The notifications would in substance apply only in case the land in question is forest land in the revenue record" ਉਪਰੋਕਤ ਖਸਰਾਂ ਦੀ ਜਮੀਨ ਪ੍ਰਾਈਵੇਟ ਮਾਲਕੀ ਹੈ। ਮਾਲ ਵਿਭਾਗ ਦੇ Revenue Record (ਜਮਾਬੰਦੀ) ਵਿੱਚ ਖਾਨਾ ਨੰਬਰ 07 ਜਮੀਨ ਦੀ ਕਿਸਮ ਦਾ ਖਾਨਾ ਹੁੰਦਾ ਹੈ। Revenue Record (ਜਮਾਬੰਦੀ) ਦੇ ਖਾਨਾ ਨੰਬਰ 07 ਅਨੁਸਾਰ ਇਹ Forest land ਨਹੀਂ ਹੈ। ਇਸ ਲਈ ਉਪਰੋਕਤ ਸਾਰੇ ਤੱਥਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ. ਚੰਡੀਗੜ੍ਹ ਦੇ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਦੇ ਮਿਤੀ 28.05.2014 ਦੇ ਹੁਕਮਾਂ ਨੂੰ ਮੁੱਖ ਰੱਖਦੇ ਹੋਏ ਉਪਰੋਕਤ ਖਸਰਾਂ ਨੰਬਰਾਂ ਨੂੰ ਇਸ ਸ਼ਰਤ ਤੇ ਯੋਗ ਪਾਇਆ ਜਾਂਦਾ ਹੈ ਕਿ ਸਰਕਾਰ ਨਿਯਮਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਮਿਤੀ 28.05.2014 ਹੁਕਮਾਂ ਦੀ ਰੋਸ਼ਨੀ ਵਿੱਚ ਮੁੜ ਵਿਚਾਰ ਕਰ ਸਕਦੀ ਹੈ।

[Signature]
 ਚਾਰਜਡ ਐਗੇਂਟ
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ:

[Signature]
 ਚਾਰਜਡ ਐਗੇਂਟ
 ਇੰਚਾਰਜ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਤਗਤ ਸਿੰਘਰ ਨਗਰ:

[Signature]
 ਚਾਰਜਡ ਐਗੇਂਟ
 ਲੇਕ ਨਿਰਮਾਣ, ਨਿਰਮਾਣ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ
 ਨਗਰ:

[Signature]
 ਚਾਰਜਡ ਐਗੇਂਟ
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਰੁਸ਼ਿਆਰਪੁਰ:

[Signature]
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ
 ਨਗਰ:

[Signature]
 ਵਣ ਮੰਡਲ ਐਡਵਾਈਜ਼ਰ,
 ਗੜ੍ਹਸੰਕਰ ਐਂਟ
 ਨਵਾਂਸ਼ਹਿਰ:

[Signature]
 ਚਾਰਜਡ ਐਗੇਂਟ
 ਪੈਰਾਡਿਟ ਅਫਸਰ, ਬਲਾਚੌਰ
 ਅਤੇ ਸਰੋਆਂ:

[Signature]
 ਚਾਰਜਡ ਐਗੇਂਟ
 ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ
[Signature]
 ਉਪ ਮੰਡਲ ਐਗੇਂਟ
 ਬਲਾਚੌਰ:



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
33	Chandpur Rurki 366	Gurmail Singh SO Hakam Singh	46/24/2,25, 55/5/1 86/9/1 98/12,13,485	3.57	

ਉਪਰੋਕਤ ਕੇਸ ਕਮੇਟੀ ਵਿੱਚ ਵਿਚਾਰਿਆ ਗਿਆ। ਇਸ ਸਬੰਧੀ ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ, ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ, ਰੂਪਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਇਰੀਗੇਸ਼ਨ (ਜਲ ਸਰੋਤ) ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਡਰੇਨੇਜ ਵਿਭਾਗ, ਰੂਸਿਆਰਪੁਰ, ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਬਲਾਦੇਰ ਅਤੇ ਸੜੇਆ ਅਤੇ ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ, ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ, ਨੂੰ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ। ਇਸ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 1601 ਐਮ.ਸੀ/ਮਿਤੀ 10.12.2022 ਅਤੇ ਪੱਤਰ ਨੰਬਰ 1602 ਐਮ.ਸੀ ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ਹਿਰ ਤੋਂ ਜਵਾਬ ਮੰਗਿਆ ਗਿਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ਹਿਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 6383 ਮਿਤੀ 13.12.2022, 357-BL ਮਿਤੀ 10.12.2022 ਅਤੇ 359-BLC ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਜਵਾਬ ਪ੍ਰਾਪਤ ਹੋਇਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ਹਿਰ ਵੱਲੋਂ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਪਿੰਡ ਚਾਂਦਪੁਰ ਰੁਤਕੀ ਦੇ ਖਸਰਾ ਨੰਬਰਾਂ ਸਰਕਾਰ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6087 ਰਾਹੀਂ ਹੇਠ ਲਿਖੀਆਂ ਸ਼ਰਤਾਂ ਨਾਲ De-list ਕਰ ਦਿੱਤੇ ਗਏ ਸਨ:-

1. The State Government shall ensure that no commercial activity is permitted on such de-listed land.
2. The de-listed land shall be used only for bonafide use for agriculture and for sustaining the livelihood of the people/owner of the land.
3. No further part compliance will be entertained in respect of remaining area./villages/districts.

ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਟ ਗੜ੍ਹਸ਼ਹਿਰ ਵੱਲੋਂ ਇਹ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਖਸਰਾ ਨੰਬਰਾਂ ਦਾ ਰਕਬਾ ਵਣ ਵਿਭਾਗ ਦਾ ਨਹੀਂ ਹੈ ਅਤੇ ਨਾ ਹੀ ਵਣ ਵਿਭਾਗ ਦੇ ਅਧਿਕਾਰ ਖੇਤਰ ਵਿੱਚ ਆਉਂਦਾ ਹੈ। ਪੂਰਬੀ ਵੱਲੋਂ ਵਰਖਾਸਤ ਨਾਲ ਜੋ ਦਸਤਾਵੇਜ਼ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਰਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਵਿੱਚ ਦਾਇਰ ਸਿਵਲ ਰਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਰਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮ ਮਿਤੀ 28.05.2014 ਨਾਲ ਨੱਥੀ ਕੀਤੇ ਗਏ ਹਨ ਨੂੰ ਘੋਖਿਆ ਗਿਆ ਹੈ। ਉਪਰੋਕਤ ਸਿਵਲ

38/451

 SDO mining


 SDO mining

 SDO mining

 SDO mining

ਚਿੱਟ ਪਟਿਸ਼ਨ ਵਿੱਚ ਵਣ ਵਿਭਾਗ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FT-III/6087 Dated 13.08.2010 ਅਤੇ ਉਸ ਵਿੱਚ ਦਰਜ ਸ਼ਰਤਾਂ ਨੂੰ ਚੇਲੰਜ ਕੀਤਾ ਗਿਆ ਹੈ। ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮਾਂ ਵਿੱਚ ਇਹ ਕਿਹਾ ਗਿਆ ਹੈ ਕਿ "The notifications would in substance apply only in case the land in question is forest land in the revenue record" ਉਪਰੋਕਤ ਖਸਰਾ ਨੰਬਰਾਂ ਦੀ ਜਮੀਨ ਪ੍ਰਾਈਵੇਟ ਮਾਲਕੀ ਹੈ। ਮਾਲ ਵਿਭਾਗ ਦੇ Revenue Record (ਜਮਾਬੰਦੀ) ਵਿੱਚ ਖਾਨਾ ਨੰਬਰ 07 ਜਮੀਨ ਦੀ ਕਿਸਮ ਦਾ ਖਾਨਾ ਹੁੰਦਾ ਹੈ। Revenue Record (ਜਮਾਬੰਦੀ) ਦੇ ਖਾਨਾ ਨੰਬਰ 07 ਅਨੁਸਾਰ ਇਹ Forest land ਨਹੀਂ ਹੈ। ਇਸ ਲਈ ਉਪਰੋਕਤ ਸਾਰੇ ਤੱਥਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਸਿਵਲ ਚਿੱਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਦੇ ਮਿਤੀ 28.05.2014 ਦੇ ਹੁਕਮਾਂ ਨੂੰ ਮੁੱਖ ਰੱਖਦੇ ਹੋਏ ਉਪਰੋਕਤ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਇਸ ਸ਼ਰਤ ਤੇ ਯੋਗ ਪਾਇਆ ਜਾਂਦਾ ਹੈ ਕਿ ਸਰਕਾਰ ਨਿਯਮਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਮਿਤੀ 28.05.2014 ਹੁਕਮਾਂ ਦੀ ਰੋਸ਼ਨੀ ਵਿੱਚ ਮੁੜ ਵਿਚਾਰ ਕਰ ਸਕਦੀ ਹੈ।

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਪ੍ਰਾਚੀ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ:

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਚਾਰਜ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਤਰਗਤ ਸਿੰਘਰ ਨਗਰ:

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਰਗਤ ਸਿੰਘ
 ਨਗਰ:

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੈਨੇਜ ਵਿਭਾਗ,
 ਰੁਇਆਰਪੁਰ,

Signature
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਖਟਸਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਰਗਤ ਸਿੰਘ
 ਨਗਰ:

Signature
 ਵਣ ਮੰਗਰ/ਖਟਸਰ,
 ਕਾਨ੍ਹਸੰਕਰ ਖੇਤ
 ਨਵਾਂ ਬਠਿੰਡਾ:

Signature
 ਬਲਾਕ ਇੰਜੀਨੀਅਰ ਅਤੇ
 ਪੈਰਾਮੀਟਰ ਖਟਸਰ, ਬਲਾਚੌਰ
 ਅਤੇ ਸਤੋਆਂ:

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜ਼ਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਖਟਸਰ ਜਿਲ੍ਹਾ
 ਸ਼ਹੀਦ ਤਰਗਤ ਸਿੰਘ ਨਗਰ

Signature
 ਉਪ ਮੰਡਲ ਮੈਂਜਿਸਟਰੇਟ,
 ਬਲਾਚੌਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)
34	Chandpur Rurki 366	Nirmal Singh SO Sucha Singh	Not Recommended Due to PLPA 1900 under section 4/5	NIL

1. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ।
2. ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਖਸਰਿਆ ਉੱਪਰ ਵੱਡੇ ਵਿਭਾਗ ਵੱਲੋਂ ਇਤਰਾਜ਼ ਲਗਾਇਆ ਗਿਆ।
3. ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਵਿੱਚ ਦਰਜ ਰਕਬੇ ਦੀ ਸਿਫਾਰਿਸ਼ ਨਹੀਂ ਕੀਤੀ ਜਾਂਦੀ।

Sucha Singh
ਕਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
ਬੋਰਡ, ਰੂਪਨਗਰ:

Nirmal Singh
ਕਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਵਿਕੀਕੋਟਨ (ਜਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਸਿਲ੍ਹਾ ਸ਼ਹੀਦ
ਭਗਤ ਸਿੰਘਰ ਨਗਰ:

Sucha Singh
ਕਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਸਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ:

Sucha Singh
ਕਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਡਰੈਨੇਜ ਵਿਭਾਗ,
ਰੂਪਿਅਰਪੁਰ,
ਨਗਰ:

Sucha Singh
ਪੇਮ ਖੇਤੀਬਾੜੀ ਖੇਤਰ,
ਸਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
ਨਗਰ:

Sucha Singh
ਵੱਡੇ ਮੰਡਲ ਖੇਤਰ,
ਜ਼ਕੂਰੀਬਰ ਖੇਤਰ
ਨਵਾਬਗਿਰ:

Sucha Singh
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪ੍ਰੋਜੈਕਟ ਖੇਤਰ, ਬਲਾਦੇਰ
ਅਤੇ ਸਰੋਤ:

Sucha Singh
ਕਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜ਼ਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਖੇਤਰ ਸਿਲ੍ਹਾ
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Sucha Singh
ਉਪ ਮੰਡਲ ਮੈਨੇਜਰ
ਬਲਾਦੇਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already In KML
35	Chandpur Rurki 366	Ajaib Singh SO Tara Singh	10/15,16,17,24, 13/1 14/15,6,7,17/1	7.78	

ਉਪਰੋਕਤ ਕੇਸ ਕਮੇਟੀ ਵਿੱਚ ਵਿਚਾਰਿਆ ਗਿਆ। ਇਸ ਸਬੰਧੀ ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ ਮੁਖਿਯ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ, ਰੂਪਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਇਕੀਐਸਨ (ਜਲ ਸਰੋਤ) ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਡਰੋਨੇਜ਼ ਵਿਭਾਗ, ਹੁਸ਼ਿਆਰਪੁਰ, ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ, ਖ਼ਲਾਕ ਵਿਕਾਸ ਅਤੇ ਪੰਚਾਇਤ ਅਫਸਰ, ਬਲਾਚੌਰ ਅਤੇ ਸ਼ੌਛਾ ਅਤੇ ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ, ਸ਼ਹੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ, ਨੂੰ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ। ਇਸ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 1601 ਐਮ.ਸੀ/ਮਿਤੀ 10.12.2022 ਅਤੇ ਪੱਤਰ ਨੰਬਰ 1602 ਐਮ.ਸੀ ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਂਟ ਗਰੂਪਿੰਗ ਐਂਟ ਗਰੂਪਿੰਗ ਐਂਟ ਗਰੂਪਿੰਗ ਦੇ ਪੱਤਰ ਨੰਬਰ 6383 ਮਿਤੀ 13.12.2022, 357-BL ਮਿਤੀ 10.12.2022 ਅਤੇ 359-BLC ਮਿਤੀ 11.12.2022 ਰਾਹੀਂ ਜਵਾਬ ਪ੍ਰਾਪਤ ਹੋਇਆ। ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਂਟ ਗਰੂਪਿੰਗ ਵੱਲੋਂ ਦੱਸਿਆ ਗਿਆ ਕਿ ਉਪਰੋਕਤ ਪਿੰਡ ਚੰਦਪੁਰ ਰੁਤਕੀ ਦੇ ਖਸਰਾ ਨੰਬਰ ਸਰਕਾਰ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FI-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FI-III/6087 ਰਾਹੀਂ ਹੇਠ ਲਿਖੀਆਂ ਸਰਤਾਂ ਨਾਲ De-list ਕਰ ਦਿੱਤੇ ਗਏ ਸਨ:-

1. The State Government shall ensure that no commercial activity is permitted on such de-listed land.
2. The de-listed land shall be used only for bonafide use for agriculture and for sustaining the livelihood of the people/owner of the land.
3. No further part compliance will be entertained in respect of remaining area/villages/districts.

ਪੂਰਬੀ ਵੱਲੋਂ ਦਰਖਾਸਤ ਨਾਲ ਜੋ ਦਸਤਾਵੇਜ਼ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਰਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਵਿੱਚ ਦਾਇਰ ਸਿਵਲ ਰਿਟ ਪਟਿਸ਼ਨ ਨੰਬਰ 22756/2013, ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਵਣ ਮੰਡਲ ਅਫਸਰ ਨਵਾਂਸ਼ਹਿਰ ਐਂਟ ਗਰੂਪਿੰਗ ਵੱਲੋਂ ਦਿੱਤੇ ਗਏ ਵਿਚਾਰ ਦਾ ਰਕਬਾ ਵਣ ਵਿਭਾਗ ਦਾ ਨਹੀਂ ਹੈ ਅਤੇ ਨਾ ਹੀ ਵਣ ਵਿਭਾਗ ਦੇ ਅਧਿਕਾਰ ਖੇਤਰ ਵਿੱਚ ਆਉਂਦਾ ਹੈ।

41/45

 Anil Kumar
 SD Mining

 H. Singh
 CAO


 Anil Kumar
 SD Mining

 Anil Kumar
 SD Mining

 Anil Kumar
 SD Mining

ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮ ਮਿਤੀ 28.05.2014 ਨਾਲ ਨੈਬੀ ਕੀਤੇ ਗਏ ਹਨ ਨੂੰ ਘੋਖਿਆ ਗਿਆ ਹੈ। ਉਪਰੋਕਤ ਸਿਵਲ ਡਿੱਟ ਪਟਿਸਨ ਵਿੱਚ ਵਣ ਵਿਭਾਗ ਦੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FI-III/6085 dated 13.08.2010 ਅਤੇ ਨੋਟਿਫਿਕੇਸ਼ਨ ਨੰਬਰ 39/578/2005-FI-III/6087 ਅਤੇ ਉਸ ਵਿੱਚ ਦਰਜ ਸ਼ਰਤਾਂ ਨੂੰ ਚੈਲੰਜ ਕੀਤਾ ਗਿਆ ਹੈ। ਜਿਸ ਵਿੱਚ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਹੁਕਮਾਂ ਵਿੱਚ ਇਹ ਕਿਹਾ ਗਿਆ ਹੈ ਕਿ "The notifications would in substance apply only in case the land in question is forest land in the revenue record" ਉਪਰੋਕਤ ਖਸਰਾ ਨੰਬਰਾਂ ਦੀ ਜਮੀਨ ਪ੍ਰਾਈਵੇਟ ਮਾਲਕੀ ਹੈ ਅਤੇ ਮਾਲ ਵਿਭਾਗ ਦੇ ਰਿਕਾਰਡ (ਜਮਾਬੰਦੀ) ਵਿੱਚ ਵਣ ਵਿਭਾਗ ਦੀ ਜਮੀਨ ਨਹੀਂ ਹੈ। ਇਸ ਲਈ ਉਪਰੋਕਤ ਸਾਰੇ ਤੱਥਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਸਿਵਲ ਡਿੱਟ ਪਟਿਸਨ ਨੰਬਰ 22756/2013, ਦੇ ਮਿਤੀ 28.05.2014 ਦੇ ਹੁਕਮਾਂ ਨੂੰ ਮੁੱਖ ਰੱਖਦੇ ਹੋਏ ਉਪਰੋਕਤ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਇਸ ਸ਼ਰਤ ਤੇ ਯੋਗ ਪਾਇਆ ਜਾਂਦਾ ਹੈ ਕਿ ਸਰਕਾਰ ਦੇ ਨਿਯਮਾਂ ਅਤੇ ਮਾਨਯੋਗ ਪੰਜਾਬ ਅਤੇ ਹਰਿਆਣਾ ਹਾਈਕੋਰਟ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਮਿਤੀ 28.05.2014 ਹੁਕਮਾਂ ਦੀ ਰੇਸ਼ਨੀ ਵਿੱਚ ਮੁੜ ਵਿਚਾਰ ਕਰ ਸਕਦੀ ਹੈ।

Quinlan
 ਵਾਹਿਗੁਰੂ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰੋਜ਼ੈਕਟ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ;

Yash
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਫਿਰੀਕੇਸ਼ਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਰੀਦ
 ਭਗਤ ਸਿੰਘ ਨਗਰ;

R
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

W
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਨਿਰਮਾਣ,
 ਡੁਲਿਆਰਪੁਰ;

Shah
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸਰੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

h
 ਵਣ ਮੰਡਲ ਅਫਸਰ,
 ਗੁਰੂਸ਼ੰਕਰ ਮੰਡ
 ਨਵਾਂਸ਼ਹਿਰ;

Alka Singh
 ਖੁਲਾਕ ਵਿਕਾਸ ਅਤੇ
 ਪ੍ਰਾਇਟ ਅਫਸਰ, ਬਲਾਚੌਰ
 ਅਤੇ ਸਰੀਦ;

Jeet Singh
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜਿਲਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸਰੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Wandhu
 ਉਪ ਮੰਡਲ ਮੈਨੇਜਰ/ਕੰਟਰੋਲਰ
 ਬਲਾਚੌਰ



No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
36	Sarangpur Panj Peda 440	Pardeep Singh SO Kuldeep Singh	Already included in Data provided by the consultant and are recommended in KML file site number PO_SN_BL_ST_12_13	NIL	11//4,5,6,7.

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਦਰਖਾਸਤ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਮਿਲਾਚਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Pardeep Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਪੰਜਾਬ ਪ੍ਰੋਜੈਕਟ ਕੰਟਰੋਲ
ਓਰਡਰ, ਰੂਪਨਗਰ।

Pardeep Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਇੰਗੋਰਸਨ (ਜਲ ਸਰੋਤ)
ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਹੀਦ
ਤਗਤ ਸਿੰਕਰ ਨਗਰ।

Pardeep Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
ਜਿਲ੍ਹਾ ਸਹੀਦ ਤਗਤ ਸਿੰਘ
ਨਗਰ।

Pardeep Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਡਰੈਜਿੰਗ ਵਿਭਾਗ,
ਰੁਠਿਆਰਪੁਰ।

Pardeep Singh
ਮੁੱਖ ਪਤੀਕਾਰੀ ਅਫਸਰ,
ਜਿਲ੍ਹਾ ਸਹੀਦ ਤਗਤ ਸਿੰਘ
ਨਗਰ।

Pardeep Singh
ਐਚ ਮੈਡਲ ਅਫਸਰ,
ਗੜ੍ਹਸੰਕਰ ਖੇਡ
ਨਵਾਂਸਹਿਰ।

Pardeep Singh
ਬਲਾਕ ਵਿਕਾਸ ਅਤੇ
ਪੇਂਚਾਇਤ ਅਫਸਰ, ਬਲਾਚੌਰ
ਅਤੇ ਸਤੋਆਂ।

Pardeep Singh
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
ਜ਼ਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
ਸਹੀਦ ਤਗਤ ਸਿੰਘ ਨਗਰ

Pardeep Singh
ਉਪ ਮੈਡਲ ਮੈਜਿਸਟਰੇਟ,
ਬਲਾਚੌਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
37	Sarangpur Panj Peda 440	Satwant Singh SO Makhani Singh	16/1,2,9,10,	4.0	

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਪੇਂਸ਼ਨ ਪ੍ਰਿਊਵ ਕੰਟਰੋਲ
 ਖੋਰਡ, ਰੁਪਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਵਿਰੀਗੇਸ਼ਨ (ਸਰ ਸਕੋਰ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸਟੀਟ
 ਤਗਤ ਸਿੰਘ ਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸਟੀਟ ਤਗਤ ਸਿੰਘ
 ਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੈਨੇਜ ਵਿਭਾਗ,
 ਤੁਸ਼ਿਆਰਪੁਰ;

Signature
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸਟੀਟ ਤਗਤ ਸਿੰਘ
 ਨਗਰ;

Signature
 ਟਾਟ ਮੰਡਲ ਅਫਸਰ,
 ਗਰਕੂਲੰਕਰ ਐਂਡ
 ਨਵਾਂਸਹਿਰ;

Signature
 ਕਲਾਕ ਵਿਕਾਸ ਅਤੇ
 ਪੌਦਾਇਤ ਅਫਸਰ, ਬਲਾਚੌਰ
 ਅਤੇ ਸਤੋਆ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸਟੀਟ ਤਗਤ ਸਿੰਘ ਨਗਰ

Signature
 ਉਪ ਮੰਡਲ ਮੈਂਜਿਸਟਰੇਟ,
 ਬਲਾਚੌਰ



Sr. No.	Village/Hadbast	Name	Khasra Number	Area (Acre)	Already in KML
38	Majran Jattan 412	Shivay Sharma SS Trading Company	54//20/3,21/1	0.75	

1. ਉਪਰੋਕਤ ਲਿਖੇ ਖਸਰਾ ਨੰਬਰਾਂ ਨੂੰ ਕਮੇਟੀ ਵੱਲੋਂ ਵਿਚਾਰਿਆ ਗਿਆ ਕਮੇਟੀ ਵੱਲੋਂ ਉਪਰੋਕਤ ਖਸਰਿਆਂ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।

2. ਉਪਰੋਕਤ ਖਸਰੇ ਨੰਬਰਾਂ ਦੀ ਕਮੇਟੀ ਵੱਲੋਂ ਸਿਫਾਰਸ਼ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ
 ਬੋਰਡ, ਰੂਪਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਇੰਡੀਗੋਲਨ (ਜਲ ਸਰੋਤ)
 ਵਿਭਾਗ, ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ
 ਭਗਤ ਸਿੰਘ ਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਲੋਕ ਨਿਰਮਾਣ, ਵਿਭਾਗ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
 ਡਰੇਨੇਜ ਵਿਭਾਗ,
 ਰੁਸਿਆਰਪੁਰ;

Signature
 ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ,
 ਜਿਲ੍ਹਾ ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ
 ਨਗਰ;

Signature
 ਵਣ ਮੰਡਲ ਅਫਸਰ,
 ਗੜ੍ਹਲੰਕਰ ਐਂਡ
 ਨਵਾਂਬੰਦਿਰ;

Signature
 ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-
 ਪੰਚਾਇਤ ਅਫਸਰ, ਬਲਾਚੌਰ
 ਅਤੇ ਸਭੋਆ;
 ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ ਜਿਲ੍ਹਾ
 ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Signature
 ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ
 ਬਲਾਚੌਰ



To

RIAN ENVIRO PRIVATE LIMITED,
REGISTERED OFFICE 133, ANSAL CHAMBER-II,
6 BHIKAJI CAMA PLACE, NEW DELHI - 110066

NO. 2861 DATED 14-12-2022

Subject:- Regarding Sub-Divisional level Committee reports of DSR of District SBS Nagar.

Please find enclosed Sub-Divisional Level Committee reports of DSR of Tehsil Nawanshahr and Balachaur. In this regard you are directed to compile the final District Survey Report (DSR) of District Shaheed Bhagat Singh Nagar and send the same to the undersigned by tomorrow, so that it may be sent to SEIAA for further necessary action.

Encl. As above.


Deputy Commissioner,
Shaheed Bhagat Singh Nagar.

Endst No. 2862-65 Dated 14-12-2022

- 1) Principal Secretary, Water Resource, Department Punjab, Chandigarh for information, please.
- 2) Sub-Divisional Magistrate Nawanshahr & Balachaur for information and necessary action.
- 3) Executive Engineer-cum-District Mining Officer, Shaheed Bhagat Singh Nagar for information and necessary action.


Deputy Commissioner,
Shaheed Bhagat Singh Nagar.



ਵੱਲੋਂ,

ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
ਨਵਾਸ਼ਹਿਰ।

ਵੱਲੋਂ,

ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ,
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ।

ਨੰਬਰ 440 /ਏ.ਐਸ.ਡੀ.ਏ.

ਮਿਤੀ 14/12/2022

ਵਿਸ਼ਾ:-

ਡੀ.ਐਸ.ਆਰ ਦੀ ਰਿਪੋਰਟ ਤਿਆਰ ਕਰਕੇ ਤੇਜ਼ ਸਬੰਧੀ।

ਉਪੋਰਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਬੇਨਤੀ ਹੈ ਕਿ ਡੀ.ਐਸ.ਆਰ.ਦੀ ਰਿਪੋਰਟ ਸਬ-ਡਵੀਜ਼ਨ ਪੱਧਰ ਤੇ ਗਠਿਤ ਕੀਤੀ ਗਈ ਕਮੇਟੀ ਮੈਂਬਰਾਂ ਵਲੋਂ, ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ-ਕਮ-ਜਿਲ੍ਹਾ ਮਾਈਨਿੰਗ ਅਫਸਰ, ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ ਵਲੋਂ ਦਿੱਤੀਆਂ ਗਈਆਂ ਸਾਈਟਾਂ ਦੀ ਮੌਕੇ ਤੇ ਜਾ ਕੇ ਵਿਜ਼ਿਟ ਕਰਕੇ ਸਰਵੇ ਕਰਨ ਉਪਰੰਤ ਤਿਆਰ ਕੀਤੀ ਗਈ ਹੈ। ਜੇ ਕਿ ਤਿਆਰ ਕੀਤੀ ਡੀ.ਐਸ.ਆਰ.ਸਰਵੇ ਰਿਪੋਰਟ ਇਸ ਪੱਤਰ ਨਾਲ ਨੱਥੀ ਕਰਕੇ ਆਪ ਜੀ ਨੂੰ ਅਗਲੇਰੀ ਯੋਗ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜੀ ਜਾਂਦੀ ਹੈ ਜੀ।

ਨੱਥੀ:-ਸਰਵੇ ਰਿਪੋਰਟ।


ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
ਨਵਾਸ਼ਹਿਰ।



A REPORT OF SUB-DIVISION LEVEL COMMITTEE NAWANSHAHR SITE VISIT OF POTENTIAL SAND MINING SITES IN TEHSIL NAWANSHAHR DISTRICT SBS NAGAR ON DATED: 12-12-2022 REGARDING

In connection with the above, it is submitted that the Sub-Division Level Committee Nawanshahr, constituted by the Hon'ble Deputy Commissioner, vide letter no. PSWR/E321792/414 his office order Ref No.905-39/SK dated 09-05-2022 conducted a joint site visit on Dt. 29 & 30-11-2022 for the purpose of inclusion in the District Survey Report of sand mining sites shown below :

RIVER BED SAND MINING SITES:

Sr. No.	Code	Area (sq.mt)	Block Name	Recommended or Not
1	PO_SN_NS_ST_25	11537.34135	NAWASHAHR	Recommended
2	PO_SN_NS_ST_26A	46960.46416	NAWASHAHR	Recommended
3	PO_SN_NS_ST_30	48219.39027	NAWASHAHR	Recommended
4	PO_SN_NS_ST_31_33	40412.97463	NAWASHAHR	Recommended
5	PO_SN_NS_ST_32	60069.17272	NAWASHAHR	Recommended
6	PO_SN_NS_ST_34	109179.8139	NAWASHAHR	Not recommended because considered as agriculture mining site sr. no. 3
7	PO_SN_NS_ST_35	23802.06535	NAWASHAHR	Recommended
8	PO_SN_NS_ST_36	17101.70425	NAWASHAHR	Recommended
9	PO_SN_NS_ST_37	30657.31669	NAWASHAHR	Recommended
10	PO_SN_NS_ST_37A	10396.15908	NAWASHAHR	Recommended
11	PO_SN_NS_ST_38	8193.241198	NAWASHAHR	Recommended
12	PO_SN_NS_ST_39	51388.38474	NAWASHAHR	Recommended
13	PO_SN_NS_ST_40	11192.80869	NAWASHAHR	Recommended
14	PO_SN_NS_ST_45	21064.03466	NAWASHAHR	Recommended
15	PO_SN_NS_ST_47	72990.29282	NAWASHAHR	Recommended
16	PO_SN_NS_ST_48	6885.413082	NAWASHAHR	Recommended
17	PO_SN_NS_ST_50	42590.78577	NAWASHAHR	Recommended
18	PO_SN_NS_ST_51	137603.0585	NAWASHAHR	Recommended
19	PO_SN_NS_ST_52	12355.28699	NAWASHAHR	Recommended












20	PO_SN_NS_ST_53	16476.77731	NAWASHAIH	Recommended
21	PO_SN_NS_ST_54	2249.594189	NAWASHAIH	Recommended
22	PO_SN_NS_ST_55	12575.88167	NAWASHAIH	Recommended
23	PO_SN_NS_ST_56	64812.01319	NAWASHAIH	Recommended
24	PO_SN_NS_ST_57	21605.76469	NAWASHAIH	Recommended
25	PO_SN_AR_ST_58	104578.5319	AUR	Recommended
26	PO_SN_AR_ST_59	93001.55258	AUR	Recommended
27	PO_SN_AR_ST_61	17915.39466	AUR	Recommended
28	PO_SN_AR_ST_61B	9418.383282	AUR	Recommended
29	PO_SN_AR_ST_62	47454.83523	AUR	Recommended
30	PO_SN_AR_ST_63	52985.28674	AUR	Recommended
31	PO_SN_AR_ST_64	47616.75101	AUR	Recommended
32	PO_SN_AR_ST_65	6052.554784	AUR	Recommended
33	PO_SN_AR_ST_66	37765.8998	AUR	Recommended
34	PO_SN_AR_ST_66A	2259.259902	AUR	Recommended
35	PO_SN_AR_ST_66B	3718.017606	AUR	Recommended
36	PO_SN_AR_ST_66C	7988.165692	AUR	Recommended
37	PO_SN_AR_ST_67	40387.28874	AUR	Recommended
38	PO_SN_AR_ST_67A	6820.659705	AUR	Recommended
39	PO_SN_AR_ST_68	54277.75156	AUR	Recommended
40	PO_SN_AR_ST_68A	18359.03262	AUR	Recommended
41	PO_SN_AR_ST_69	45838.64243	AUR	Recommended
42	PO_SN_AR_ST_69A	14707.55247	AUR	Recommended
43	PO_SN_AR_ST_69B	4738.393656	AUR	Recommended
44	PO_SN_AR_ST_70	63501.74764	AUR	Recommended
45	PO_SN_AR_ST_71	73288.33829	AUR	Not recommended because considered as agriculture mining site sr. no. 17
46	PO_SN_AR_ST_71A	10249.59252	AUR	Recommended
47	PO_SN_AR_ST_72	240919.6652	AUR	Recommended
48	PO_SN_AR_ST_81A	8117.209888	AUR	Not recommended because considered as agriculture mining site sr. no. 16
49	PO_SN_AR_ST_81B	4565.016714	AUR	Not recommended because considered as agriculture mining site sr. no. 16
50	PO_SN_AR_ST_81C	6148.357495	AUR	Not recommended because considered as agriculture mining site sr. no. 16
51	PO_SN_AR_ST_81D	3365.702869	AUR	Not recommended because considered as agriculture mining site sr. no. 16

Handwritten mark

Handwritten signature and initials

Handwritten signature



52	PO_SN_AR_ST_81E	509295987	AUR	Not recommended (court case)
53	PO_SN_AR_ST_81F	4213.07432	AUR	Recommended
54	PO_SN_AR_ST_82	87115.8692	AUR	Not recommended because considered as agriculture mining site sr. no. 8

Not recommended Sites = 8 nos and Area = 300172.4811 Sqm or 74.17 Acre

Recommended Sites = 46 Nos = 1718017.95 Sqm or 424.53 Acre

AGRICULTURE MINING SITES:

Sr. no.	Name of land owner	Village name	Hodbas t no.	Khasra no.	Area	Remark's
1	Dhunda Singh Anprej Singh Vinsa Singh Mehinder Laur W/o Joginder singh	Behloor Khurd	256	6/1/3, 6/2/1, 6/2/2, 6/11/1, 6/12, 6/20, 7/5/1, 7/5/3, 7/1/6, 7/1/2, 7/1/4/2, 10/1, 10/2, 10/10, 10/11, 10/12, 10/19, 10/20, 10/27(7-2) 10/4, 10/3, 15/1/7	8.19(Acre)	Recommended (excluding 6/1.11.12.20.21.22. 7/4.5)
2	Kuldeep Singh	Behloor Khurd	256	16/22/2(4-3), 16/22/3(1-7), 16/23/1(6-3), 16/23/2(1-16), 16/24(8-0), 16/25(7-4)	3.5(Acre)	Recommended
3	Pritpal Singh	Behloor Khurd	256	5/11(4-0), 12(8-0), 18(8-0), 19(8-0), 20(8-0), 21(8-0), 22(8-0), 23(8-0), 5/11M(4-0), 6/16(4-0), 16(3-4), 25(7-4) 7/1/9(8-0), 20/2(5-6), 21(4-0), 22(8-0), 23(8-0), 24(4-0) 9/2(6-19), 3(7-2), 4(3-10), 4(3-12) 10/6(7-4), 7(8-0), 8(8-0), 9 (8-0), 10(8-0), 11(8-0), 12(8-0), 13(8-0), 14(8-0), 15(7-4), 16(7-4), 17(8-0), 24(8-0), 25(7-4). 11/1(8-0), 2(8-0), 3(8-0), 4(8-0), 5(8-0), 6(8-0), 7(8-0), 8(8-0), 9(8-0), 10(8-0), 11(8-0). 12(8-0), 13(7-19), 18(7-4), 19(7-19), 20(8-0), 21(7-11) . 22(7-4) 0) 16/3(8-0), 4(8-0), 5(6-0), 7/1(6-0), 8(8-0) 19/10(8-0), 11(8-0) 20/1/1(7-1)	55.38(Acre)	Recommended (excluding 6/16.25, 7/19, 20.21.22.23.24)

Handwritten signatures and initials:
 1. A large signature on the left side of the table.
 2. A signature "Dhan Singh" written vertically in the middle.
 3. A signature "R" written vertically on the right side.
 4. A signature "R" written at the bottom right of the page.



	Anop Kumar	Behloor Khurd	256	6//1/3(3-2), 7//4/2(3-15),7//5/3(3-2), 7//6/2(6-17) 10//1(7-2),10//1(7-0),10//10/2(7-2),10//10(8-0),10//11(8-0),10//12(8-0),10//19(8-0),10//20(8-0)	5.8(Acre)	Recommended (excluding 6//1/3, 7//4,5,6)
4	KS Parna	Behloor Khurd	256	10//6(7-4),7(8-0),14(8-0),15(7-4),16(7-4),17(8-0),24(8-0),25(7-4),10//10(8-0),11(8-0),12(8-0),10//9(8-0) 11//1(8-0),2(8-0),3(8-0),8(8-0),9(8-0),10(8-0),11(8-0),12(8-0),13(7-19),18(7-4),19(7-19),20(8-0),21(7-11),22(7-4), 14//21(8-0), 20//1/1(7-1) 5//12(8-0),18(8-0),19(8-0),20(8-0),21(8-0),22(8-0),23(8-0),5//11M(4-0), 7//19(8-0), 20//2(5-6),21(4-0),22(8-0),23(8-0),24M(4-0), 9//2(6-19),3(7-2),4M(3-10), 6//16M(4-0),6//16M(3-4),6//25(7-4), 9//4M(3-12), 7//24M(4-0)	44.81(Acre)	Recommended
5	Behloor Khurd	Behloor Khurd	256	5//2(8-0),9(8-0),13(8-0),14(8-0),15(8-0),16(8-0),17(8-0)	7(Acre)	Recommended
6	Surjeet Singh	Behloor Khurd	256	5//12,18,19,20,21,22,23 6//25 7//19,20/2,21,22,23,24 9//2,3,4	14.76(Acre)	Recommended
7	Kulvir Singh Gurdev Singh Balvir Singh	Behloor Khurd	256			

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8	Mohanpal Singh	Burj tehal das	292	48//11(8-0), 48//12(8-0), 48//13(8-0), 48//14(8-0), 50//12(7-12), 50//2(8-0), 50//3(8-0), 50//4(8-0), 50//5(6-4), 50//6(6-18), 50//7(7-1), 50//8(6-18), 50//9(7-2), 50//10(8-0), 50//11(8-0), 50//12(8-0), 50//13(8-0), 50//14(8-0), 50//15(8-0), 50//16(8-0), 50//17(8-0), 50//18(8-0), 50//19(8-0), 50//20(8-0), 50//21(8-0), 50//22(8-0), 50//23(8-0), 50//24(8-0), 51//2(8-0), 51//3(8-0), 51//4(8-0), 51//5(6-4), 51//6(6-18), 51//7(6-1), 51//8(6-18), 51//9(7-2), 51//10(8-0), 51//11(8-0), 51//12(8-0), 51//13(8-0), 51//14(8-0), 51//15(8-0), 51//16(8-0), 51//17(8-0), 51//18(8-0), 51//19(8-0), 51//20(8-0), 51//21(8-0), 51//22(8-0), 51//23(8-0), 51//24(8-0), 51//25(8-0), 52//3(8-0), 52//4(8-0), 52//5(8-0), 53//1(8-0), 53//2(8-0), 53//3(4-0), 53//4(8-0)	38.8(Acre)	Recommended
9	Baljinder Singh Karanveer Singh Akash Infrastructure	Burj tehal das	292	49//11(8-0), 12(8-0), 18/2(4-0), 19(8-0), 20(8-0), 21(8-0), 22(8-0), 23/1(4-0), 3(8-0), 4(8-0), 5(8-0), 6(8-0), 7(8-0), 8(8-0), 9(8-0), 10(8-0), 49//11(8-0), 49//13(4-0), 49//19(8-0), 49//21(8-0), 49//3(8-0), 49//4(8-0), 49//5(8-0), 49//6(8-0), 49//7(8-0), 49//8(8-0), 49//9(8-0), 49//10(8-0), 49//11(8-0), 49//12(3-0), 49//13(7-16), 60//12(7-11), 60//4(2(7-11), 60//5(2(7-11), 60//6(8-0), 60//7(8-0), 60//3(2(7-11) 61//5(2(7-11) 52//16(8-0), 52//17(8-0), 52//24(8-0), 52//25(8-0), 53//11(8-0), 53//20(8-0)	15(Acre)	Recommended
10	Jamail Singh Gurmeet Singh Gurmeet Singh Baljinder Singh Hardeep Singh Balwinder Singh Harmander Kaur w/o Harpal Singh	Burj tehal das	292	61//9, 10, 11, 12, 13, 14, 17/1, 18/1, 19/1, 20/1, 62//4(2, 5, 2, 6, 7, 14, 15, 16, 17, 24, 25, 69//4, 5, 6, 7, 60//10, 11	25.5 (Acre)	Recommended
11	Paramvir Singh	Burj tehal das	292	61//9, 10, 11, 12, 13, 14, 17/1, 18/1, 19/1, 20/1, 62//4(2, 5, 2, 6, 7, 14, 15, 16, 17, 24, 25, 69//4, 5, 6, 7, 60//10, 11	12.33(Acre)	Recommended (excluding 62//4, 2, 5, 2, 6, 7, 14, 15, 16, 17, 24, 25)
12	Darshan Singh Kulwant Singh Balraj Singh Kuldeep Kaur w/o Darshan Singh	Burj tehal das	292	62//4(2(7-11), 5(2(7-11), 6(8-0), 7(8-0), 14(8-0), 15(8-0), 16(8-0), 17(8-0), 24(8-0), 25(8-0), 61//8(2(6-18), 19/2(6-18), 20/2(6-4), 21(7-4), 22(8-0), 23(8-0), 1/2(6-16), 2/2(7-11), 3/2(7-11), 8(8-0), 10(7-4), 11(7-4), 12(8-0), 13(8-0), 18/1(1-2), 19/1(1-2), 20/1(1-0), 9(8-0)	28.5(Acre)	Recommended

Yash to Jyoti & J. D. Oberoi



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13	Balraj Singh Dilbag Singh Harpal Singh (Central Govt.)	Burj tehal das	292	54//15(8-0), 16(8-0), 17(8-0), 18(8-0), 19 (8-0), 20(8-0), 21(8-0), 25(8-0), 57//5(8-0), 6(8-0), 7(8-0), 8(8-0), 9 (8-0), 10(8-0), 11(8-0), 12(8-0), 13(8-0), 14 (8- 0), 15(8-0), 16(8-0), 17(8-0), 18 (8-0), 19(8-0), 20(8-0), 21(8-0), 22(8-0), 23 (8-0), 24(8- 0), 25(8-0), 58//1(8-0), 2(8-0)	31(Acre)	Not Recommended
14	Prabhddev Singh	Burj tehal das	292	60//8(8-0), 9(8-0), 12/2(6-2), 2/2(7-1), 3/2(7-1), 22(8-0) 59//1, 2, 10 60//1/2, 4/2, 5/2, 6, 7, 12/1, 19 61//5/2 71//2	14.54(Acre)	Recommended
15	Puneet singh	Khoja	284	59//2(5-6), 59//3(8-0), 59//4(8-0), 59//5(8-0), 59//6(8-0), 59//7(8-0), 59//8(8-0), 59//9(2-10)	7(Acre)	Recommended
16	Varinder Ghuman w/o Harmohanjeet Singh	Khoja	284	55//6(9-0), 7(9-13), 8(6-0), 9(8-0), 10 (8-0), 11(3-13), 12(3-0), 13(1-15), 56//6(8-0), 7(8-0), 8/1(5-12), 14(5-0), 15 (4-7)	10(Acre)	Recommended
17	Swaran Singh Gurdyal Singh Surjan Singh Bachitrar Singh Mahar Singh Sainam Singh	Khoja	284	50//6, 14, 15, 16, 17, 18, 22, 23, 24, 25, 5, 19, 13, 20, 21 57//9, 11, 12, 13, 20 58//6, 7, 8, 14, 15 49//22, 23, 24, 25, 17	17.6(Acre)	Recommended (Excluding 50//5, 6, 15, 16, 25, 58//8, 24)
18	Balvir Singh (Central Govt.)	Lalewal	282	36//23(8-0), 24(8-0), 25(8-0)	3(Acre)	Not Recommended
19	Mohampal singh	Kanon	269	19//19/1(2-13), 19//17/2(7-0), 19//18(8-0), 19//19/2(5-7), 19//20(7-4), 19//21/2(1-16), 20//24(9-12), 20//25(8-0), 21//19(8-0), 21//21(8-0), 21//22/1(7-11)	9(Acre)	Not Recommended
20	Shingara Singh Avtar Kaur w/o Udham Singh(Punjab Government)	Saidpur Khurd	268	13//1((8-0), 2(8-0), 3(8-0), 4(8-0)	4(Acre)	Recommended



 A. Singh
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 H. Singh


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27	Angrej Ram Phool Makodi	257	4/16(7-2), 12/8(14-3), 9/1(3-15), 11/2(5-9), 12/2(7-18), 13(8-0), 14(8-0), 17(8-0), 18(8-0), 19(8-0), 21(2-0), 22(7-18), 23(8-0), 24(8-0), 14/2(6-18), 3(8-0),	13.6(Acre)	Not Recommended
28	Gian Singh (MAKBUJA MALIK)(Central Govern ment)	257	15/8(8-0), 15/13(8-0), 17(8-0), 3(8-0), 15/13(8-0), 17(8-0), 2(8-0),	7(acre)	Recommended

Not Recommended sites= 7 nos. and Area = 359158.51 Sqm or 88.75 Acre

Partially Recommended Sites = 5 nos. and Area = 401852.8 Sqm or 99.3 Acre

Recommended sites = 16 nos and Area = 1016610.8 Sqm or 251.21 Acre

The inspection report along with observation of respective Members of Sub-Division Level Committee Nawanshahr in this regard are shown below as:-

1. Divisional Forest Officer, Department of Forests and Wildlife Prevention Punjab

The land of the above said sand mining site is neither included in Areas notified u/s 4 & 5 of PLPA Act, 1900 nor in Areas falling in the Eco-Sensitive Zones of Wildlife Sanctuary & Conservation Reserves cover under Wildlife Protection Act, 1972 and Punjab Wildlife Preservation Act, 1959. This land of above said sand mining site is not forest land and there is no objection in this regard. The land of site sr. no. 8(48/11, 12, 13, 14), 10(57/1-25), 11(62/1-25), 13(57/1-25), 18(50/5, 6, 15, 16, 25) touch in villages in which forest department has land. The list of khasra numbers of the forest department land is attached along the report. So, proper recommendation can be given after demarcation is done.

2. Environmental Engineer, Punjab Pollution Control Board

It has been observed that Environmental Clearance should be obtained from the competent authority and consent under Air Act 1981 and Water Act 1974 should be taken before starting the work of extracting sand from the said quarry. The proposed mining sites shall obtain the prior environmental clearance from SEIAA as per the

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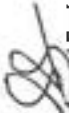
Keeping in the view the above said, the potential sand mining sites in villages tehsil Nawanshahr district SBS Nagar is recommended for inclusion in District Survey Report of SBS Nagar.

Member 1



Divisional Forest Officer,
Department of Forests and Wildlife Prevention Punjab
Nawanshahr at Garhshankar.

Member 2



Environmental Engineer,
Punjab Pollution Control Board
Hoshiarpur.

Member 3



Executive Engineer,
Building & Roads,
Punjab Public Works Department
Nawanshahr.

Member 4



Executive Engineer,
Bist Nalab Canal, Jalandhar
Department of Water Resources Punjab

Member 5



Chief Agriculture Officer, Department of Agriculture Punjab
SBS Nagar

Member 6



Block Development and Panchayat Officer,
Nawanshahr

Member 7



Block Development and Panchayat Officer,

Aur



Executive Engineer,
Drainage-cum-Mining,
Department of Water Resources Punjab
SBS Nagar
(Member Secretary)

Chairman



Sub Divisional Magistrate-cum-Chairman,
Nawanshahr



ਦਫਤਰ ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ, ਨਵਾਂਸ਼ਹਿਰ

Ph. 01823-220001, Fax 01823-222580, E. mail – sdmnsr047@gmail.com

ਸੇਵਾ ਵਿਖੇ,

ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ,
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ।

ਨੰ. 20 / ASDA ਮਿਤੀ 23/01/2023

ਵਿਸ਼ਾ:- Supplementary Report of DSR Sub Divisional Level Committee
Nawanshahr ਭੇਜਣ ਬਾਰੇ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਬੇਨਤੀ ਹੈ ਕਿ Supplementary Report of DSR Sub Divisional
Level Committee Nawanshahr ਰਿਪੋਰਟ ਆਪ ਜੀ ਨੂੰ ਇਸ ਪੱਤਰ ਨਾਲ ਸ਼ਾਮਲ ਕਰਕੇ ਆਪ ਜੀ ਨੂੰ
ਅਗਲੇਰੀ ਯੋਗ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜੀ ਜਾਂਦੀ ਹੈ ਜੀ।

ਨੋਟ: ਉਕਤ ਅਨੁਸਾਰ।


ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ,
ਨਵਾਂਸ਼ਹਿਰ।




Supplementary Report of Sub Divisional Level Committee Nawanshahr

In continuation to the report sent to deputy commissioner SBS Nagar by Sub Division Level Committee Nawanshahr vide number 440/ASDA dated 14.12.2022, A supplementary report regarding clarification 6 no. River bed sites is as under:

Sr. no. of river bed mining site as per SDLC Nawanshahr Report	Code	Area	Block Name	Recommended or Not by SDLC vide report dated 14.12.2022	Revised Recommendation
6	PO_SN_NS_S T_34	109179.8139	NAWAN SHAHR	Recommended	This site was recommended as agriculture mining site no. 3 but as per the report submitted by the consultant this site falls in riverbed. Hence it is recommended as riverbed site PO_SN_NS_ST_34.
45	PO_SN_AR_S T_71	73288.33829	AUR	Recommended	This site was recommended as agriculture mining site no. 17 but as per the report submitted by the consultant this site falls in riverbed. Hence it is recommended as riverbed site PO_SN_AR_ST_71.
48	PO_SN_AR_S T_81A	8117.209988	AUR	Recommended	This site was recommended as agriculture mining site no. 16 but as per the report submitted by the consultant this site falls in riverbed. Hence it is recommended as riverbed site PO_SN_AR_ST_81A.
50	PO_SN_AR_S T_81C	6148.357495	AUR	Recommended	This site was recommended as agriculture mining site no. 16 but as per the report submitted by the consultant this site falls in riverbed. Hence it is recommended as riverbed site PO_SN_AR_ST_81C.
51	PO_SN_AR_S T_81D	3365.702869	AUR	Recommended	This site was recommended as agriculture mining site no. 16 but as per the report submitted by the consultant this site falls in riverbed. Hence it is recommended as riverbed site PO_SN_AR_ST_81D.




54	PO_SN_AR_S T_82	87115.08692	AUR	Recommended	This site was recommended as agriculture mining site no. 8 but as per the report submitted by the consultant this site falls in riverbed. Hence it is recommended as riverbed site PO_SN_AR_ST_82.
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 Divisional forest officer
 Department of Forest and
 Wildlife Preservation Punjab
 Nawanshahr at Garhshankar


 Environmental Engineer
 Punjab Pollution Control Board
 Hoshiarpur


 Executive Engineer
 Building and Roads
 Punjab Public Works Department
 Nawanshahr


 Executive Engineer
 Bist Doab Canal, Jalandhar
 Department of Water
 Resources, Punjab


 Block Development and
 Panchayat Officer
 Aur


 Block Development
 and Panchayat Officer
 Nawanshahr


 Chief Agriculture officer
 Department of Agriculture Punjab
 SBS Nagar


 Executive Engineer
 Drainage Cum Mining
 Department of Water Resources, Punjab
 SBS Nagar
 (Member Secretary)


 Sub Divisional Magistrate-Cum-Chairman
 Nawanshahr





Rian Enviro Private Limited

Head Office: 202 & 402, Mangal Market, Raza Bazar, Sheikhpura, Patna, Bihar- 800 014

Ranchi Office: 303, Nageshwar Tiwari Apartment, Bajpayee Path, Shukla Colony, Hinoo, Ranchi, Jharkhand- 834 002

Ref. No. REPL/GEN/SS/185/22

Date: 18.01.2023.

Observations of Rian Enviro Private Limited regarding the agricultural sites recommended by Sub Divisional Committee, SBS Nagar

Nawashahr					
Sr.No.	SLDC	Sr.No.of Site in SLDC proceeding	VillageName	HadbastNo	Remarks
1	Nawashahr	1	BehloorKhurd	256	Some Parts Overlapping with Sandbars no. PO_SN_NS_ST_34 and this site should be Recommended as River Bed site with code- PO_SN_NS_ST_34 Some parts of mentioned site lie within no mining Zone and nearby Embankment.
2	Nawashahr	2	BehloorKhurd	256	No mining area
3	Nawashahr	3	BehloorKhurd	256	Some Parts are in No mining area and Overlapping with Sandbars no. PO_SN_NS_ST_34 and this site should be Recommended as River Bed site with code- PO SN NS ST 34
4	Nawashahr	4	BehloorKhurd	256	Overlapping with Sandbars no. PO_SN_NS_ST_34 and this site should be Recommended as River Bed site with code- PO SN NS ST 34
5	Nawashahr	5	BehloorKhurd	256	Overlapping with Sandbars no. PO_SN_NS_ST_34 and this site should be Recommended as River Bed site with code- PO SN NS ST 34
6	Nawashahr	6	BehloorKhurd	256	Major part of this sites lies within no mining area and within 100m buffer zone from river Embankment
7	Nawashahr	7	BehloorKhurd	256	Major part of this sites lies within no mining area and within 100m buffer zone from river Embankment



8	Nawashahr	8	Burj Tehal Das	292	Overlapping with Sandbars no. PO_SN_AR_ST_82 and this site should be Recommended as River Bed site with code- PO_SN_NS_ST_82 and rest of the recommended area lies within no mining area
9	Nawashahr	9	Burj Tehal Das	292	Overlapping with Sandbars no. PO_SN_AR_ST_82 and this site should be Recommended as River Bed site with code- PO_SN_NS_ST_82 and rest of the recommended area lies within no mining area
10	Nawashahr	10	Burj Tehal Das	292	Overlapping with Sandbars no. PO SN AR ST 82.
11	Nawashahr	11	Burj Tehal Das	292	Discarded due to District boundary issue
12	Nawashahr	12	Burj Tehal Das	292	Discarded due to District boundary issue
13	Nawashahr	14	Burj Tehal Das	292	Discarded due to District boundary issue
14	Nawashahr	15	Khoja	284	Overlapping with Sandbars no. PO_SN_AR_ST_72 and some parts has no potential.
15	Nawashahr	16	Khoja	284	Overlapping with Sandbars no. PO_SN_AR_ST_69,&68 and some parts lies within no mining area
16	Nawashahr	17	Khoja	284	Overlapping with Sandbars no. PO_SN_AR_ST_71 and and this site should be Recommended as River Bed site with code- PO_SN_NS_ST_71 and some parts lies within no mining area
17	Nawashahr	20	Saidpur Khurd	268	No mining area
18	Nawashahr	21	Saidpur Khurd	268	Discarded due to District boundary issue
19	Nawashahr	22	Saidpur Khurd	268	No mining Area
20	Nawashahr	26	Phool Makodi	257	Overlapping with Sandbars no. 37 & 36 and some parts lies within no mining area
21	Nawashahr	28	Phool Makodi	257	Some parts lie within no mining area and some parts has negligible potential.



Balachaur

Sr.No.	SLDC	Sr.No.ofSite in SLDC proceeding	VillageName	HadbastNo	Remarks
1	Balachaur	1	ADB Brahmadrail	420	Some Parts Overlapping with Sandbars no. PO_SN_BL_ST_03_04, Some parts of mentioned site lie within no mining area and Some parts has negligible potential.
2	Balachaur	2	ADB Brahmadrail	420	Negligible potential & rest part lies within no mining area
3	Balachaur	3	ADB Brahmadrail	420	Major Parts are in No mining area and some parts has Negligible potential & some parts Overlapping with Sandbars no. PO_SN_BL_ST_03_04
4	Balachaur	4	ADB Brahmadrail	420	Overlapping with Sandbars no. PO_SN_BL_ST_01
5	Balachaur	5	ADB Brahmadrail	420	No potential for Sand Mining
6	Balachaur	6	ADB Brahmadrail	420	No potential for Sand Mining
7	Balachaur	8	ADB Brahmadrail	420	No Mining Area
8	Balachaur	9	ADB Brahmadrail	420	No Mining Area & Some parts is overlapping with Sandbars no. PO SN BL ST 03 04.
9	Balachaur	10	ADB Brahmadrail	420	Some area has no potential & Remaining area is Overlapping with Sandbars no. PO SN BL ST 4A.
10	Balachaur	11	ADB Bela Tajawal	421	Some area lies within no mining area & discarded due to District boundary issue
11	Balachaur	12	ADB Bela Tajawal	421	No potential area
12	Balachaur	13	ADB Bela Tajawal	421	Discarded due to District boundary issue and No mining area
13	Balachaur	14	ADB Bela Tajawal	421	No mining area & Negligible potential



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14	Balachaur	21	Auliapur	459	No mining area & Most part has Negligible potential & remaining part is overlapping with PO SN BL ST 2
15	Balachaur	23	Auliapur	459	Partially overlapping with Sandbars no. PO SN BL ST 22
16	Balachaur	25	Auliapur	459	Some parts lie within no mining area and remaining parts has no potentials.
17	Balachaur	27	Auliapur	459	No mining area
18	Balachaur	28	Rail	419	Overlapping with Sandbars no. PO SN BL ST 01
19	Balachaur	37	SarangpurPunjPe da	440	Some parts lie within no mining area and rest part is overlapping with Sandbars no PO SN BL ST 10 & 11



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Annexure F
(Sp. Gravity & Bulk Density data of sand from
NABL lab)



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Block-A, Raut City, Commercial Complex, Garikhana, Khagaul, Near Radiant International School, Patna - 801105 (Bihar)

To,	ULR No. : TC1021422000000129F
District Mining Officer , SBS Nagar	Date of Receipt: 17.11.2022
Member of Secretary of Sub divisional Committees SBS Nagar	Date of Testing: 17.11.2022-20.11.2022
	Date of Report : 21.11.2022

Description of Sample : Sandi Soil

Location : Village- Ratnana , Tehsil- Nawan Sahar Sutej river

Ref No: Nil Dated: 29.11.2022

SL. No.	TEST PARAMETERS	TEST METHOD	Results
1	Specific Gravity	IS 2720 (P-3)	2.64
2	Bulk density , kg/l	IS 2386 (P-3)	1.54



End of Test Report



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3. The above results are related only to the test performed on the sample, Endorsement of the product is neither inferred not implied,
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Block-A, Raut City, Commercial Complex, Garikhana, Khagaul, Near Radiant International School, Patna - 801105 (Bihar)

To,		ULR No. : TC1021422000000160F	
District Mining Officer , SBS Nagar		Date of Receipt: 29.11.2022	
Member of Secretary of Sub divisional Committees SBS Nagar		Date of Testing: 29.11.2022-30.11.2022	
Date of Report : 30.11.2022			
Description of Sample : Sandi Soil			
Location : Village- Daulat Pur , Tehsil- Nawan Sahar Suttlej River			
Ref No: Nil Dated: 29.11.2022			
SL. No.	TEST PARAMETERS	TEST METHOD	Results
1	Specific Gravity	IS 2720 (P-3)	2.62
2	Bulk density , kg/l	IS 2386 (P-3)	1.54



End of Test Report

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Block-A, Raut City, Commercial Complex, Garikhana, Khagaul, Near Radiant International School, Patna - 801105 (Bihar)

To,	ULR No. : TC1021422000000162F
District Mining Officer , SBS Nagar	Date of Receipt: 29.11.2022
Member of Secretary of Sub divisional Committees SBS Nagar	Date of Testing: 29.11.2022-30.11.2022
Description of Sample : Sandi Soil	Date of Report : 30.11.2022
Location : Village- Bahlaur , Tehsil- Nawan Sahar ,Sutlej River	
Ref No: Nil Dated: 29.11.2022	

SL. No.	TEST PARAMETERS	TEST METHOD	Results
1	Specific Gravity	IS 2720 (P-3)	2.64
2	Bulk density , kg/l	IS 2386 (P-3)	1.56



End of Test Report



Terms & Conditions:

1. This report shall not be reproduced except in full without the approval of the Rappid Test Lab Pvt. Ltd.,
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3. The above results are related only to the test performed on the sample, Endorsement of the product is neither inferred not implied,
4. Total liability of hour Test Lab is limited to the invoiced amount.,
- 5 Report refers to the sample received by Rappid Test Lab Pvt. Ltd. unless mentioned otherwise.



RAPPID TEST LAB PVT. LTD.

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Block-A, Raut City, Commercial Complex, Garikhana, Khagaul, Near Radiant International School, Patna - 801105 (Bihar)

To,	ULR No. : TC1021422000000163F
District Mining Officer , SBS Nagar	Date of Receipt: 29.11.2022
Member of Secretary of Sub divisional Committees SBS Nagar	Date of Testing: 29.11.2022-30.11.2022
	Date of Report : 30.11.2022

Description of Sample : Sandi Soil

Location : Village- Aulliapur , Tehsil- Balachaur Sutlej River

Ref No: Nil Dated: 29.11.2022

SL. No.	TEST PARAMETERS	TEST METHOD	Results
1	Specific Gravity	IS 2720 (P-3)	2.61
2	Bulk density , kg/l	IS 2386 (P-3)	1.53



End of Test Report



Terms & Conditions:

1. This report shall not be reproduced except in full without the approval of the Rappid Test Lab Pvt. Ltd., 2. This report will not be valid for judicial Purpose. 3. The above results are related only to the test performed on the sample, Endorsement of the product is neither inferred not implied, 4. Total liability of hour Test Lab is limited to the invoiced amount., 5 Report refers to the sample received by Rappid Test Lab Pvt. Ltd. unless mentioned otherwise.



RAPPID TEST LAB PVT. LTD.

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Block-A, Raut City, Commercial Complex, Garikhana, Khagaul, Near Radiant International School, Patna - 801105 (Bihar)

TEST REPORT

To,		ULR No.: TC1021422000000130F	
District Mining Officer , SBS Nagar		Date of Receipt: 17.11.2022	
Member of Secretary of Sub divisional Committees SBS Nagar		Date of Testing: 17.11.2022-20.11.2022	
Description of Sample : Sandi Soil		Date of Report : 21.11.2022	
Location : Village-Rail Majra , Tahsil – Balachaur (Sutlej River)			
Ref No: Nil		Dated: 17.11.2022	
SL. No.	TEST PARAMETERS	TEST METHOD	Results
1	Specific Gravity	IS 2720 (P-3)	2.62
2	Bulk density , kg/l	IS 2386 (P-3)	1.56



Terms & Conditions:

1. This report shall not be reproduced except in full without the approval of the Rappid Test Lab Pvt. Ltd.,
2. This report will not be valid for judicial Purpose.
3. The above results are related only to the test performed on the sample, Endorsement of the product is neither inferred not implied,
4. Total liability of hour Test Lab is limited to the invoiced amount.,
- 5 Report refers to the sample received by Rappid Test Lab Pvt. Ltd. unless mentioned otherwise.



FINITY ENGINEERING CONSULTANCY AND RESEARCH LABORATORY PVT. LTD.

(An ISO 9001 : 2015 Certified & NABL Accredited Laboratory)



CIN NO- U7499BR2018PTC039944

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TEST REPORT

To,		ULR No. : TC90132200000405F	
District Mining Officer , SBS Nagar		Date of Receipt: 17.11.2022	
Member of Secretary of Sub divisional Committees SBS Nagar		Date of Testing: 17.11.2022-20.11.2022	
Date of Report : 21.11.2022			
Description of Sample : Sandi Soil			
Location : Village- Dugri , Tahsil – Balachaur (Sutlej River)			
Ref No: Nil		Dated: 17.11.2022	
SL. No.	TEST PARAMETERS	TEST METHOD	Results
1	Specific Gravity	IS 2720 (P-3)	2.63
2	Bulk density , kg/l	IS 2386 (P-3)	1.56



Checked By
Remarks:

End of Test Report

- The results listed in the report refer only to the item(s) tested and it's Parameters (s). Endorsement of products is neither inferred nor implied.
- Sample will be destroyed after 30 days from the date of issue of test report unless otherwise specified.
- Report refer to the sample as received and not drawn by us unless mentioned otherwise
- The report shall not be reproduced exception full, without the approval of the laboratory and cannot be used as evidence in the Court of law and Should not be used in any advertising media without our special permission in writing.

Address : Madhepura Bhawan Devi Mandir, Road, Punaichak, Patna-23

E-mail : finitybihar@gmail.com
fecrlbihar@gmail.com

Annexure G
(Final Block Sand Ghats Coordinates)

*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
PO_SN_BL_ST_01	1	30° 58' 47.261" N	76° 28' 55.115" E	SBS Nagar Sutlej 01
	2	30° 58' 46.987" N	76° 28' 54.677" E	
	3	30° 58' 48.185" N	76° 28' 51.338" E	
	4	30° 58' 46.905" N	76° 28' 44.176" E	
	5	30° 58' 49.211" N	76° 28' 51.761" E	
	6	30° 58' 49.792" N	76° 28' 54.972" E	
	7	30° 58' 50.590" N	76° 28' 56.222" E	
	8	30° 58' 51.131" N	76° 28' 57.737" E	
	9	30° 58' 51.460" N	76° 28' 58.944" E	
	10	30° 58' 52.015" N	76° 29' 0.026" E	
	11	30° 58' 52.012" N	76° 29' 1.622" E	
	12	30° 58' 50.118" N	76° 29' 2.804" E	
	13	30° 58' 49.694" N	76° 29' 2.906" E	
PO_SN_BL_ST_03_04	1	30° 58' 45.692" N	76° 28' 6.223" E	SBS Nagar Sutlej 02
	2	30° 58' 45.348" N	76° 27' 59.844" E	
	3	30° 58' 47.603" N	76° 27' 39.108" E	
	4	30° 58' 53.344" N	76° 27' 17.242" E	
	5	30° 58' 54.212" N	76° 27' 0.851" E	
	6	30° 58' 56.481" N	76° 27' 6.220" E	
	7	30° 58' 56.850" N	76° 27' 18.008" E	
	8	30° 58' 55.567" N	76° 27' 24.625" E	
	9	30° 58' 52.763" N	76° 27' 28.680" E	
	10	30° 58' 52.093" N	76° 27' 33.161" E	
	11	30° 58' 51.205" N	76° 27' 36.461" E	
	12	30° 58' 51.077" N	76° 27' 43.320" E	
	13	30° 58' 49.802" N	76° 27' 48.210" E	
	14	30° 58' 47.084" N	76° 27' 53.542" E	
PO_SN_BL_ST_4A	1	30° 58' 54.736" N	76° 26' 25.163" E	SBS Nagar Sutlej 03
	2	30° 58' 54.097" N	76° 26' 25.677" E	
	3	30° 58' 51.309" N	76° 26' 22.125" E	
	4	30° 58' 49.940" N	76° 26' 20.969" E	
	5	30° 58' 49.991" N	76° 26' 19.541" E	
	6	30° 58' 51.117" N	76° 26' 19.420" E	
	7	30° 58' 51.539" N	76° 26' 19.456" E	
	8	30° 58' 52.043" N	76° 26' 19.670" E	
	9	30° 58' 52.418" N	76° 26' 18.877" E	
	10	30° 58' 52.669" N	76° 26' 17.957" E	
	11	30° 58' 52.941" N	76° 26' 17.829" E	
	12	30° 58' 53.777" N	76° 26' 17.639" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	13	30° 58' 54.305" N	76° 26' 17.641" E	
	14	30° 58' 54.875" N	76° 26' 20.261" E	
	15	30° 58' 54.805" N	76° 26' 22.425" E	
	16	30° 58' 55.043" N	76° 26' 23.326" E	
	17	30° 58' 54.987" N	76° 26' 23.903" E	
PO_SN_BL_ST_4B	1	30° 58' 47.198" N	76° 26' 4.914" E	SBS Nagar Sutlej 04
	2	30° 58' 47.094" N	76° 26' 5.377" E	
	3	30° 58' 46.349" N	76° 26' 4.271" E	
	4	30° 58' 45.502" N	76° 26' 3.280" E	
	5	30° 58' 44.524" N	76° 26' 2.439" E	
	6	30° 58' 43.899" N	76° 26' 1.941" E	
	7	30° 58' 43.105" N	76° 26' 1.175" E	
	8	30° 58' 42.715" N	76° 26' 0.379" E	
	9	30° 58' 41.677" N	76° 25' 59.214" E	
	10	30° 58' 41.318" N	76° 25' 59.028" E	
	11	30° 58' 41.145" N	76° 25' 58.589" E	
	12	30° 58' 41.257" N	76° 25' 57.844" E	
	13	30° 58' 41.834" N	76° 25' 57.946" E	
	14	30° 58' 42.141" N	76° 25' 58.435" E	
	15	30° 58' 42.822" N	76° 25' 59.351" E	
	16	30° 58' 43.303" N	76° 25' 59.016" E	
	17	30° 58' 42.980" N	76° 25' 58.265" E	
	18	30° 58' 42.528" N	76° 25' 57.988" E	
	19	30° 58' 42.374" N	76° 25' 57.535" E	
	20	30° 58' 42.288" N	76° 25' 56.722" E	
	21	30° 58' 42.229" N	76° 25' 56.152" E	
	22	30° 58' 42.123" N	76° 25' 55.542" E	
	23	30° 58' 42.119" N	76° 25' 54.719" E	
	24	30° 58' 42.294" N	76° 25' 53.457" E	
	25	30° 58' 42.256" N	76° 25' 52.722" E	
	26	30° 58' 42.482" N	76° 25' 52.421" E	
	27	30° 58' 42.794" N	76° 25' 52.484" E	
	28	30° 58' 44.136" N	76° 25' 56.256" E	
	29	30° 58' 44.647" N	76° 25' 58.890" E	
	30	30° 58' 45.319" N	76° 26' 0.140" E	
	31	30° 58' 45.961" N	76° 26' 0.500" E	
	32	30° 58' 46.620" N	76° 26' 1.565" E	
	33	30° 58' 46.992" N	76° 26' 2.768" E	
PO_SN_BL_ST_05	1	30° 58' 22.289" N	76° 25' 5.057" E	SBS Nagar Sutlej 05



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	2	30° 58' 25.298" N	76° 25' 19.815" E	
	3	30° 58' 23.026" N	76° 25' 18.807" E	
PO_SN_BL_ST_06_07	1	30° 58' 11.052" N	76° 21' 44.302" E	SBS Nagar Sutlej 06
	2	30° 58' 9.889" N	76° 21' 40.644" E	
	3	30° 58' 11.014" N	76° 21' 34.101" E	
	4	30° 58' 12.946" N	76° 21' 31.440" E	
	5	30° 58' 14.416" N	76° 21' 30.644" E	
	6	30° 58' 14.981" N	76° 21' 31.060" E	
	7	30° 58' 15.765" N	76° 21' 30.546" E	
	8	30° 58' 16.767" N	76° 21' 28.644" E	
	9	30° 58' 19.746" N	76° 21' 25.666" E	
	10	30° 58' 22.531" N	76° 21' 22.003" E	
	11	30° 58' 22.626" N	76° 21' 20.670" E	
	12	30° 58' 24.455" N	76° 21' 17.584" E	
	13	30° 58' 26.726" N	76° 21' 16.025" E	
	14	30° 58' 28.526" N	76° 21' 15.581" E	
	15	30° 58' 29.258" N	76° 21' 16.028" E	
	16	30° 58' 29.381" N	76° 21' 18.013" E	
		17	30° 58' 13.751" N	
PO_SN_BL_ST_08	1	30° 58' 35.224" N	76° 21' 9.936" E	SBS Nagar Sutlej 07
	2	30° 58' 32.456" N	76° 21' 13.763" E	
	3	30° 58' 29.380" N	76° 21' 14.035" E	
	4	30° 58' 27.637" N	76° 21' 14.029" E	
	5	30° 58' 25.490" N	76° 21' 13.732" E	
	6	30° 58' 22.616" N	76° 21' 15.253" E	
	7	30° 58' 21.029" N	76° 21' 16.707" E	
	8	30° 58' 20.124" N	76° 21' 17.085" E	
	9	30° 58' 18.635" N	76° 21' 17.162" E	
	10	30° 58' 32.739" N	76° 21' 0.021" E	
	11	30° 58' 34.363" N	76° 20' 58.398" E	
	12	30° 58' 34.300" N	76° 21' 1.015" E	
	13	30° 58' 34.887" N	76° 21' 5.005" E	
	14	30° 58' 34.892" N	76° 21' 8.395" E	
PO_SN_BL_ST_09	1	30° 58' 48.654" N	76° 21' 0.459" E	SBS Nagar Sutlej 08
	2	30° 58' 36.779" N	76° 21' 8.814" E	
	3	30° 58' 36.941" N	76° 21' 7.525" E	
	4	30° 58' 37.449" N	76° 21' 5.902" E	
	5	30° 58' 37.115" N	76° 21' 3.229" E	
	6	30° 58' 36.429" N	76° 21' 0.604" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	7	30° 58' 36.711" N	76° 20' 57.804" E	
	8	30° 58' 37.639" N	76° 20' 55.970" E	
	9	30° 58' 42.619" N	76° 20' 51.157" E	
	10	30° 58' 50.854" N	76° 20' 49.844" E	
	11	30° 58' 53.006" N	76° 20' 49.769" E	
	12	30° 58' 55.643" N	76° 20' 48.882" E	
	13	30° 58' 57.821" N	76° 20' 47.727" E	
	14	30° 58' 59.745" N	76° 20' 47.380" E	
	15	30° 59' 1.165" N	76° 20' 47.430" E	
PO_SN_BL_ST_10	1	30° 58' 50.162" N	76° 20' 45.623" E	SBS Nagar Sutlej 09
	2	30° 58' 54.316" N	76° 20' 42.754" E	
	3	30° 58' 58.914" N	76° 20' 36.548" E	
	4	30° 59' 0.704" N	76° 20' 33.121" E	
	5	30° 59' 2.561" N	76° 20' 31.428" E	
	6	30° 59' 3.126" N	76° 20' 29.786" E	
	7	30° 59' 4.467" N	76° 20' 27.514" E	
	8	30° 59' 5.263" N	76° 20' 26.865" E	
	9	30° 59' 5.978" N	76° 20' 26.821" E	
	10	30° 59' 7.817" N	76° 20' 30.986" E	
	11	30° 59' 7.559" N	76° 20' 33.088" E	
	12	30° 59' 5.779" N	76° 20' 35.453" E	
	13	30° 59' 2.401" N	76° 20' 37.997" E	
	14	30° 59' 2.364" N	76° 20' 38.037" E	
	15	30° 58' 59.602" N	76° 20' 41.473" E	
	16	30° 58' 57.650" N	76° 20' 43.088" E	
	17	30° 58' 56.551" N	76° 20' 45.002" E	
	18	30° 58' 55.211" N	76° 20' 45.461" E	
	19	30° 58' 53.814" N	76° 20' 45.177" E	
	20	30° 58' 52.138" N	76° 20' 44.727" E	
PO_SN_BL_ST_11	1	30° 59' 2.444" N	76° 20' 29.791" E	SBS Nagar Sutlej 10
	2	30° 59' 5.162" N	76° 20' 24.589" E	
	3	30° 59' 9.991" N	76° 20' 5.864" E	
	4	30° 59' 10.064" N	76° 20' 4.311" E	
	5	30° 59' 12.393" N	76° 20' 7.535" E	
	6	30° 59' 12.333" N	76° 20' 9.493" E	
	7	30° 59' 9.598" N	76° 20' 16.851" E	
	8	30° 59' 9.459" N	76° 20' 17.895" E	
	9	30° 59' 7.325" N	76° 20' 21.466" E	
	10	30° 59' 6.634" N	76° 20' 23.141" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	11	30° 59' 6.350" N	76° 20' 24.696" E	
	12	30° 59' 5.177" N	76° 20' 25.638" E	
PO_SN_BL_ST_12_13	1	30° 59' 14.755" N	76° 20' 1.164" E	SBS Nagar Sutlej 11
	2	30° 59' 13.585" N	76° 20' 1.176" E	
	3	30° 59' 12.028" N	76° 20' 0.341" E	
	4	30° 59' 10.812" N	76° 19' 59.094" E	
	5	30° 59' 10.764" N	76° 19' 59.002" E	
	6	30° 59' 10.469" N	76° 19' 55.682" E	
	7	30° 59' 10.472" N	76° 19' 55.606" E	
	8	30° 59' 11.146" N	76° 19' 54.151" E	
	9	30° 59' 11.019" N	76° 19' 52.335" E	
	10	30° 59' 11.401" N	76° 19' 49.414" E	
	11	30° 59' 11.825" N	76° 19' 48.200" E	
	12	30° 59' 12.280" N	76° 19' 48.085" E	
	13	30° 59' 12.842" N	76° 19' 48.936" E	
	14	30° 59' 13.180" N	76° 19' 48.151" E	
	15	30° 59' 13.127" N	76° 19' 46.415" E	
	16	30° 59' 14.378" N	76° 19' 43.859" E	
	17	30° 59' 14.323" N	76° 19' 42.571" E	
	18	30° 59' 13.997" N	76° 19' 41.117" E	
	19	30° 59' 13.869" N	76° 19' 40.166" E	
	20	30° 59' 21.077" N	76° 19' 39.601" E	
	21	30° 59' 23.221" N	76° 19' 39.873" E	
	22	30° 59' 19.235" N	76° 19' 48.612" E	
	23	30° 59' 18.017" N	76° 19' 50.075" E	
	24	30° 59' 17.370" N	76° 19' 51.276" E	
	25	30° 59' 16.304" N	76° 19' 53.597" E	
	26	30° 59' 15.672" N	76° 19' 55.759" E	
	27	30° 59' 15.620" N	76° 19' 57.061" E	
	28	30° 59' 15.249" N	76° 19' 58.184" E	
	29	30° 59' 15.060" N	76° 19' 59.556" E	
PO_SN_BL_ST_14	1	31° 0' 20.508" N	76° 18' 9.487" E	SBS Nagar Sutlej 12
	2	31° 0' 20.893" N	76° 18' 8.994" E	
	3	31° 0' 20.765" N	76° 18' 9.273" E	
	4	31° 0' 20.508" N	76° 18' 9.487" E	
	5	31° 0' 20.508" N	76° 18' 9.487" E	
	6	31° 0' 20.337" N	76° 18' 9.808" E	
	7	31° 0' 19.758" N	76° 18' 10.365" E	
	8	31° 0' 19.373" N	76° 18' 10.515" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS		
	9	31° 0' 18.174" N	76° 18' 10.943" E			
	10	31° 0' 17.938" N	76° 18' 11.071" E			
	11	31° 0' 17.788" N	76° 18' 11.221" E			
	12	31° 0' 17.553" N	76° 18' 11.307" E			
	13	31° 0' 17.231" N	76° 18' 11.307" E			
	14	31° 0' 16.803" N	76° 18' 11.371" E			
	15	31° 0' 16.439" N	76° 18' 11.393" E			
	16	31° 0' 15.390" N	76° 18' 11.393" E			
	17	31° 0' 14.833" N	76° 18' 11.628" E			
	18	31° 0' 14.354" N	76° 18' 11.794" E			
	19	31° 0' 14.572" N	76° 18' 5.703" E			
	20	31° 0' 16.783" N	76° 18' 5.038" E			
	21	31° 0' 22.175" N	76° 17' 52.493" E			
	22	31° 0' 22.778" N	76° 17' 51.688" E			
	23	31° 0' 24.450" N	76° 17' 51.609" E			
	24	31° 0' 25.977" N	76° 17' 51.830" E			
	25	31° 0' 27.532" N	76° 17' 52.300" E			
	26	31° 0' 29.864" N	76° 17' 52.172" E			
	27	31° 0' 26.889" N	76° 17' 58.077" E			
	28	31° 0' 19.601" N	76° 18' 8.758" E			
	PO_SN_BL_ST_15	1	31° 0' 28.396" N		76° 17' 43.740" E	SBS Nagar Sutlej 13
		2	31° 0' 28.103" N		76° 17' 43.488" E	
		3	31° 0' 29.325" N		76° 17' 40.724" E	
		4	31° 0' 30.100" N		76° 17' 40.608" E	
		5	31° 0' 30.489" N		76° 17' 40.651" E	
		6	31° 0' 31.022" N		76° 17' 40.803" E	
		7	31° 0' 31.912" N		76° 17' 40.817" E	
		8	31° 0' 32.802" N		76° 17' 41.118" E	
9		31° 0' 33.734" N	76° 17' 41.124" E			
10		31° 0' 34.170" N	76° 17' 41.621" E			
11		31° 0' 34.630" N	76° 17' 42.562" E			
12		31° 0' 34.116" N	76° 17' 43.020" E			
13		31° 0' 33.238" N	76° 17' 43.753" E			
14		31° 0' 32.011" N	76° 17' 44.161" E			
15		31° 0' 29.989" N	76° 17' 44.200" E			
PO_SN_BL_ST_15 A	1	31° 0' 35.061" N	76° 17' 30.923" E	SBS Nagar Sutlej 14		
	2	31° 0' 34.888" N	76° 17' 32.928" E			
	3	31° 0' 35.290" N	76° 17' 35.907" E			
	4	31° 0' 34.893" N	76° 17' 36.332" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS		
	5	31° 0' 33.514" N	76° 17' 36.191" E			
	6	31° 0' 32.671" N	76° 17' 35.805" E			
	7	31° 0' 31.917" N	76° 17' 35.693" E			
	8	31° 0' 31.709" N	76° 17' 35.961" E			
	9	31° 0' 31.196" N	76° 17' 36.489" E			
	10	31° 0' 39.242" N	76° 17' 19.982" E			
	11	31° 0' 40.833" N	76° 17' 11.303" E			
	12	31° 0' 41.289" N	76° 17' 14.407" E			
	13	31° 0' 41.263" N	76° 17' 15.480" E			
	14	31° 0' 40.851" N	76° 17' 17.413" E			
	15	31° 0' 40.422" N	76° 17' 21.007" E			
	16	31° 0' 39.912" N	76° 17' 22.527" E			
	17	31° 0' 38.809" N	76° 17' 23.817" E			
	18	31° 0' 37.405" N	76° 17' 26.395" E			
	19	31° 0' 36.033" N	76° 17' 28.557" E			
	PO SN BL ST 17	1	31° 0' 43.893" N		76° 16' 56.130" E	SBS Nagar Sutlej 15
		2	31° 0' 43.552" N		76° 16' 55.970" E	
		3	31° 0' 43.701" N		76° 16' 55.130" E	
		4	31° 0' 44.012" N		76° 16' 44.821" E	
5		31° 0' 47.110" N	76° 16' 38.473" E			
6		31° 0' 47.925" N	76° 16' 36.347" E			
7		31° 0' 50.204" N	76° 16' 40.690" E			
8		31° 0' 50.817" N	76° 16' 43.163" E			
9		31° 0' 50.814" N	76° 16' 44.025" E			
10		31° 0' 49.720" N	76° 16' 47.168" E			
11		31° 0' 49.022" N	76° 16' 48.595" E			
12		31° 0' 48.074" N	76° 16' 49.946" E			
13		31° 0' 45.759" N	76° 16' 52.109" E			
PO SN BL ST 19	1	31° 0' 49.162" N	76° 16' 33.731" E	SBS Nagar Sutlej 16		
	2	31° 0' 49.098" N	76° 16' 33.288" E			
	3	31° 0' 51.214" N	76° 16' 27.767" E			
	4	31° 0' 52.676" N	76° 16' 26.395" E			
	5	31° 0' 54.124" N	76° 16' 25.314" E			
	6	31° 0' 55.634" N	76° 16' 24.698" E			
	7	31° 0' 56.192" N	76° 16' 23.656" E			
	8	31° 0' 56.640" N	76° 16' 20.882" E			
	9	31° 0' 57.355" N	76° 16' 21.704" E			
	10	31° 0' 57.059" N	76° 16' 27.443" E			
	11	31° 0' 55.937" N	76° 16' 31.296" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	12	31° 0' 55.084" N	76° 16' 31.913" E	
	13	31° 0' 52.898" N	76° 16' 34.841" E	
	14	31° 0' 51.762" N	76° 16' 36.301" E	
	15	31° 0' 51.350" N	76° 16' 37.363" E	
	16	31° 0' 50.324" N	76° 16' 35.642" E	
	17	31° 0' 49.576" N	76° 16' 34.599" E	
PO_SN_BL_ST_20	1	31° 0' 52.012" N	76° 16' 24.899" E	SBS Nagar Sutlej 16
	2	31° 0' 52.960" N	76° 16' 21.304" E	
	3	31° 0' 54.150" N	76° 16' 21.050" E	
	4	31° 0' 54.983" N	76° 16' 20.508" E	
	5	31° 0' 55.641" N	76° 16' 20.616" E	
	6	31° 0' 55.525" N	76° 16' 21.316" E	
	7	31° 0' 54.796" N	76° 16' 22.432" E	
	8	31° 0' 53.908" N	76° 16' 23.103" E	
	9	31° 0' 52.759" N	76° 16' 24.375" E	
PO_SN_BL_ST_22	1	31° 0' 59.198" N	76° 16' 12.359" E	SBS Nagar Sutlej 17
	2	31° 0' 59.410" N	76° 16' 11.496" E	
	3	31° 0' 59.941" N	76° 16' 11.426" E	
	4	31° 1' 1.778" N	76° 16' 14.126" E	
	5	31° 1' 2.640" N	76° 16' 16.118" E	
	6	31° 1' 2.657" N	76° 16' 17.289" E	
	7	31° 1' 1.690" N	76° 16' 19.033" E	
	8	31° 1' 0.872" N	76° 16' 18.821" E	
	9	31° 1' 0.170" N	76° 16' 18.273" E	
PO_SN_BL_ST_27	1	31° 0' 45.319" N	76° 15' 16.100" E	SBS Nagar Sutlej 16
	2	31° 0' 45.267" N	76° 15' 15.214" E	
	3	31° 0' 46.866" N	76° 15' 14.191" E	
	4	31° 0' 48.777" N	76° 15' 15.586" E	
	5	31° 0' 48.960" N	76° 15' 15.874" E	
	6	31° 0' 49.335" N	76° 15' 16.964" E	
	7	31° 0' 49.463" N	76° 15' 18.099" E	
	8	31° 0' 49.997" N	76° 15' 19.774" E	
	9	31° 0' 50.511" N	76° 15' 20.662" E	
	10	31° 0' 50.796" N	76° 15' 22.602" E	
	11	31° 0' 50.820" N	76° 15' 24.069" E	
	12	31° 0' 50.739" N	76° 15' 24.634" E	
	13	31° 0' 49.706" N	76° 15' 23.872" E	
	14	31° 0' 48.000" N	76° 15' 22.081" E	
PO_SN_NS_ST_28	1	31° 0' 27.133" N	76° 12' 59.359" E	SBS Nagar Sutlej 20



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	2	31° 0' 27.845" N	76° 12' 58.369" E	
	3	31° 0' 29.005" N	76° 12' 57.487" E	
	4	31° 0' 30.517" N	76° 12' 56.960" E	
	5	31° 0' 30.536" N	76° 12' 58.351" E	
	6	31° 0' 29.716" N	76° 13' 1.160" E	
	7	31° 0' 28.986" N	76° 13' 2.760" E	
	8	31° 0' 27.460" N	76° 13' 3.722" E	
	PO SN NS ST 28 A	1	31° 0' 30.078" N	
2		31° 0' 28.040" N	76° 12' 56.797" E	
3		31° 0' 29.515" N	76° 12' 53.056" E	
4		31° 0' 34.003" N	76° 12' 43.639" E	
5		31° 0' 35.594" N	76° 12' 35.244" E	
6		31° 0' 35.700" N	76° 12' 33.545" E	
7		31° 0' 36.533" N	76° 12' 35.100" E	
8		31° 0' 37.145" N	76° 12' 40.212" E	
9		31° 0' 36.951" N	76° 12' 45.742" E	
10		31° 0' 35.723" N	76° 12' 47.658" E	
11		31° 0' 34.803" N	76° 12' 49.350" E	
12		31° 0' 33.285" N	76° 12' 51.317" E	
13		31° 0' 31.720" N	76° 12' 53.811" E	
PO SN NS ST 30	1	31° 0' 36.963" N	76° 12' 31.243" E	SBS Nagar Sutlej 22
	2	31° 0' 36.536" N	76° 12' 29.250" E	
	3	31° 0' 37.439" N	76° 12' 27.124" E	
	4	31° 0' 38.632" N	76° 12' 25.552" E	
	5	31° 0' 39.609" N	76° 12' 23.375" E	
	6	31° 0' 42.937" N	76° 12' 26.808" E	
	7	31° 0' 42.985" N	76° 12' 27.779" E	
	8	31° 0' 43.902" N	76° 12' 32.159" E	
	9	31° 0' 43.821" N	76° 12' 33.179" E	
	10	31° 0' 42.825" N	76° 12' 35.363" E	
	11	31° 0' 40.970" N	76° 12' 35.800" E	
	12	31° 0' 40.345" N	76° 12' 35.897" E	
	13	31° 0' 38.463" N	76° 12' 33.582" E	
PO SN NS ST 31 33	1	31° 0' 37.457" N	76° 12' 21.385" E	SBS Nagar Sutlej 23
	2	31° 0' 36.343" N	76° 12' 25.613" E	
	3	31° 0' 36.900" N	76° 12' 20.449" E	
	4	31° 0' 33.230" N	76° 12' 13.347" E	
	5	31° 0' 26.198" N	76° 12' 2.769" E	
	6	31° 0' 19.860" N	76° 11' 56.368" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS		
	7	31° 0' 17.589" N	76° 11' 54.110" E			
	8	31° 0' 17.812" N	76° 11' 54.057" E			
	9	31° 0' 18.242" N	76° 11' 53.424" E			
	10	31° 0' 18.234" N	76° 11' 51.352" E			
	11	31° 0' 18.356" N	76° 11' 50.746" E			
	12	31° 0' 18.648" N	76° 11' 50.676" E			
	13	31° 0' 18.861" N	76° 11' 51.074" E			
	14	31° 0' 20.812" N	76° 11' 52.463" E			
	15	31° 0' 23.115" N	76° 11' 54.925" E			
	16	31° 0' 25.869" N	76° 12' 1.791" E			
	17	31° 0' 27.062" N	76° 12' 2.856" E			
	18	31° 0' 27.180" N	76° 12' 3.860" E			
	19	31° 0' 27.868" N	76° 12' 5.105" E			
	20	31° 0' 30.614" N	76° 12' 8.269" E			
	21	31° 0' 35.903" N	76° 12' 15.355" E			
	22	31° 0' 36.903" N	76° 12' 17.414" E			
	23	31° 0' 36.999" N	76° 12' 19.297" E			
	PO_SN_NS_ST_32	1	31° 0' 18.273" N		76° 11' 49.162" E	SBS Nagar Sutlej 24
		2	31° 0' 17.953" N		76° 11' 48.849" E	
		3	31° 0' 18.590" N		76° 11' 44.284" E	
		4	31° 0' 19.638" N		76° 11' 44.464" E	
		5	31° 0' 21.200" N		76° 11' 45.764" E	
		6	31° 0' 22.355" N		76° 11' 46.514" E	
7		31° 0' 23.955" N	76° 11' 47.838" E			
8		31° 0' 24.130" N	76° 11' 48.292" E			
9		31° 0' 24.692" N	76° 11' 49.402" E			
10		31° 0' 28.245" N	76° 11' 54.975" E			
11		31° 0' 28.978" N	76° 11' 57.457" E			
12		31° 0' 29.927" N	76° 11' 59.242" E			
13		31° 0' 31.763" N	76° 12' 5.347" E			
14		31° 0' 29.660" N	76° 12' 4.828" E			
15		31° 0' 27.531" N	76° 12' 1.211" E			
16		31° 0' 26.698" N	76° 11' 59.398" E			
17		31° 0' 26.099" N	76° 11' 57.454" E			
18		31° 0' 24.787" N	76° 11' 54.520" E			
19		31° 0' 23.639" N	76° 11' 52.880" E			
20		31° 0' 21.070" N	76° 11' 51.459" E			
21		31° 0' 20.296" N	76° 11' 50.376" E			
PO_SN_NS_ST_34	1	30° 59' 57.849" N	76° 10' 51.954" E	SBS Nagar Sutlej 25		



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	2	30° 59' 54.887" N	76° 10' 47.235" E	
	3	30° 59' 53.746" N	76° 10' 46.468" E	
	4	30° 59' 53.497" N	76° 10' 45.505" E	
	5	30° 59' 53.867" N	76° 10' 43.575" E	
	6	30° 59' 54.863" N	76° 10' 42.434" E	
	7	30° 59' 56.315" N	76° 10' 42.144" E	
	8	30° 59' 57.144" N	76° 10' 41.813" E	
	9	30° 59' 57.584" N	76° 10' 41.203" E	
	10	30° 59' 57.311" N	76° 10' 39.427" E	
	11	30° 59' 57.273" N	76° 10' 37.452" E	
	12	30° 59' 57.096" N	76° 10' 36.290" E	
	13	30° 59' 58.838" N	76° 10' 35.112" E	
	14	30° 59' 59.854" N	76° 10' 36.088" E	
	15	31° 0' 0.080" N	76° 10' 37.639" E	
	16	31° 0' 1.169" N	76° 10' 40.743" E	
	17	31° 0' 2.159" N	76° 10' 47.644" E	
	18	31° 0' 2.944" N	76° 10' 48.875" E	
	19	31° 0' 3.395" N	76° 10' 50.823" E	
	20	31° 0' 3.956" N	76° 10' 54.193" E	
	21	31° 0' 3.864" N	76° 10' 56.855" E	
	22	31° 0' 3.469" N	76° 10' 58.089" E	
	23	31° 0' 2.440" N	76° 10' 59.033" E	
	24	31° 0' 1.627" N	76° 11' 1.663" E	
	25	31° 0' 0.340" N	76° 11' 2.250" E	
	26	31° 0' 0.035" N	76° 11' 2.185" E	
	27	30° 59' 59.097" N	76° 10' 58.591" E	
	28	30° 59' 58.621" N	76° 10' 53.968" E	
PO_SN_NS_ST_35	1	30° 59' 53.142" N	76° 11' 1.461" E	SBS Nagar Sutlej 26
	2	30° 59' 52.713" N	76° 10' 59.699" E	
	3	30° 59' 52.765" N	76° 10' 57.920" E	
	4	30° 59' 53.065" N	76° 10' 56.275" E	
	5	30° 59' 53.864" N	76° 10' 55.133" E	
	6	30° 59' 54.512" N	76° 10' 52.543" E	
	7	30° 59' 55.192" N	76° 10' 53.120" E	
	8	30° 59' 55.576" N	76° 10' 54.152" E	
	9	30° 59' 55.912" N	76° 10' 57.478" E	
	10	30° 59' 56.185" N	76° 10' 59.353" E	
	11	30° 59' 56.825" N	76° 11' 1.644" E	
	12	30° 59' 56.851" N	76° 11' 2.421" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	13	30° 59' 56.490" N	76° 11' 4.043" E	
	14	30° 59' 55.568" N	76° 11' 3.977" E	
	15	30° 59' 54.235" N	76° 11' 2.839" E	
PO_SN_NS_ST_36	1	30° 59' 47.471" N	76° 10' 20.700" E	SBS Nagar Sutlej 27
	2	30° 59' 47.464" N	76° 10' 19.884" E	
	3	30° 59' 48.008" N	76° 10' 18.897" E	
	4	30° 59' 49.426" N	76° 10' 17.427" E	
	5	30° 59' 50.436" N	76° 10' 16.818" E	
	6	30° 59' 52.005" N	76° 10' 15.479" E	
	7	30° 59' 52.292" N	76° 10' 17.167" E	
	8	30° 59' 52.141" N	76° 10' 18.744" E	
	9	30° 59' 51.749" N	76° 10' 20.263" E	
	10	30° 59' 48.560" N	76° 10' 23.662" E	
	11	30° 59' 48.332" N	76° 10' 22.890" E	
	12	30° 59' 47.963" N	76° 10' 22.329" E	
	13	30° 59' 47.849" N	76° 10' 21.388" E	
PO_SN_NS_ST_37	1	30° 59' 42.557" N	76° 10' 11.753" E	SBS Nagar Sutlej 28
	2	30° 59' 38.204" N	76° 9' 56.927" E	
	3	30° 59' 39.971" N	76° 9' 59.240" E	
	4	30° 59' 40.836" N	76° 10' 1.791" E	
	5	30° 59' 41.773" N	76° 10' 5.462" E	
	6	30° 59' 42.502" N	76° 10' 7.208" E	
	7	30° 59' 43.451" N	76° 10' 8.919" E	
	8	30° 59' 43.934" N	76° 10' 10.600" E	
	9	30° 59' 45.458" N	76° 10' 11.566" E	
	10	30° 59' 47.932" N	76° 10' 11.483" E	
	11	30° 59' 48.754" N	76° 10' 12.311" E	
	12	30° 59' 47.430" N	76° 10' 13.909" E	
	13	30° 59' 46.118" N	76° 10' 17.781" E	
	14	30° 59' 46.049" N	76° 10' 18.111" E	
PO_SN_NS_ST_37 A	1	30° 59' 41.888" N	76° 9' 57.989" E	SBS Nagar Sutlej 29
	2	30° 59' 41.499" N	76° 9' 56.253" E	
	3	30° 59' 42.866" N	76° 9' 56.604" E	
	4	30° 59' 44.534" N	76° 9' 58.297" E	
	5	30° 59' 45.576" N	76° 10' 0.507" E	
	6	30° 59' 46.317" N	76° 10' 2.416" E	
	7	30° 59' 45.907" N	76° 10' 3.084" E	
	8	30° 59' 44.943" N	76° 10' 2.361" E	
	9	30° 59' 43.600" N	76° 10' 1.149" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	10	30° 59' 42.740" N	76° 9' 59.315" E	
PO_SN_NS_ST_38	1	30° 59' 44.458" N	76° 9' 55.719" E	SBS Nagar Sutlej 30
	2	30° 59' 43.231" N	76° 9' 54.840" E	
	3	30° 59' 42.267" N	76° 9' 53.802" E	
	4	30° 59' 42.168" N	76° 9' 52.439" E	
	5	30° 59' 43.226" N	76° 9' 49.183" E	
	6	30° 59' 43.498" N	76° 9' 49.235" E	
	7	30° 59' 43.449" N	76° 9' 50.324" E	
	8	30° 59' 45.791" N	76° 9' 57.391" E	
	9	30° 59' 45.215" N	76° 9' 56.381" E	
PO_SN_NS_ST_39	1	30° 59' 37.175" N	76° 9' 34.788" E	SBS Nagar Sutlej 31
	2	30° 59' 36.970" N	76° 9' 33.512" E	
	3	30° 59' 37.203" N	76° 9' 30.371" E	
	4	30° 59' 39.229" N	76° 9' 24.927" E	
	5	30° 59' 39.784" N	76° 9' 24.051" E	
	6	30° 59' 41.894" N	76° 9' 30.917" E	
	7	30° 59' 42.380" N	76° 9' 33.935" E	
	8	30° 59' 42.571" N	76° 9' 34.374" E	
	9	30° 59' 43.058" N	76° 9' 36.983" E	
	10	30° 59' 43.470" N	76° 9' 42.431" E	
	11	30° 59' 42.358" N	76° 9' 41.416" E	
	12	30° 59' 40.497" N	76° 9' 40.386" E	
	13	30° 59' 38.750" N	76° 9' 38.283" E	
PO_SN_NS_ST_40	1	30° 59' 31.535" N	76° 9' 22.441" E	SBS Nagar Sutlej 32
	2	30° 59' 32.533" N	76° 9' 22.044" E	
	3	30° 59' 33.853" N	76° 9' 21.448" E	
	4	30° 59' 35.150" N	76° 9' 20.786" E	
	5	30° 59' 36.421" N	76° 9' 20.058" E	
	6	30° 59' 38.127" N	76° 9' 18.948" E	
	7	30° 59' 38.260" N	76° 9' 19.352" E	
	8	30° 59' 37.852" N	76° 9' 20.761" E	
	9	30° 59' 36.745" N	76° 9' 22.400" E	
	10	30° 59' 35.774" N	76° 9' 22.919" E	
	11	30° 59' 32.392" N	76° 9' 24.150" E	
	12	30° 59' 31.997" N	76° 9' 23.328" E	
PO_SN_NS_ST_45	1	30° 59' 11.352" N	76° 8' 7.101" E	SBS Nagar Sutlej 33
	2	30° 59' 10.923" N	76° 8' 5.788" E	
	3	30° 59' 11.295" N	76° 8' 3.996" E	
	4	30° 59' 12.224" N	76° 8' 2.356" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS		
	5	30° 59' 13.166" N	76° 8' 1.476" E			
	6	30° 59' 14.497" N	76° 8' 1.322" E			
	7	30° 59' 15.497" N	76° 8' 1.439" E			
	8	30° 59' 16.467" N	76° 8' 1.874" E			
	9	30° 59' 16.548" N	76° 8' 2.271" E			
	10	30° 59' 14.283" N	76° 8' 7.366" E			
	11	30° 59' 14.205" N	76° 8' 7.822" E			
	12	30° 59' 13.022" N	76° 8' 8.401" E			
	13	30° 59' 11.999" N	76° 8' 8.234" E			
	14	30° 59' 11.383" N	76° 8' 7.119" E			
	PO_SN_NS_ST_48	1	30° 59' 12.942" N		76° 7' 59.784" E	SBS Nagar Sutlej 35
		2	30° 59' 13.009" N		76° 7' 59.244" E	
		3	30° 59' 13.372" N		76° 7' 58.136" E	
		4	30° 59' 13.547" N		76° 7' 57.208" E	
5		30° 59' 13.947" N	76° 7' 56.409" E			
6		30° 59' 14.481" N	76° 7' 56.025" E			
7		30° 59' 14.646" N	76° 7' 58.143" E			
8		30° 59' 14.831" N	76° 7' 59.203" E			
9		30° 59' 14.943" N	76° 7' 59.299" E			
10		30° 59' 15.658" N	76° 7' 58.995" E			
11		30° 59' 16.143" N	76° 7' 59.117" E			
12		30° 59' 16.342" N	76° 7' 59.452" E			
13		30° 59' 16.399" N	76° 8' 0.001" E			
14		30° 59' 16.041" N	76° 8' 0.651" E			
15		30° 59' 12.944" N	76° 8' 0.648" E			
PO_SN_NS_ST_47	1	30° 59' 16.527" N	76° 7' 57.826" E	SBS Nagar Sutlej 34		
	2	30° 59' 15.740" N	76° 7' 56.841" E			
	3	30° 59' 15.763" N	76° 7' 55.278" E			
	4	30° 59' 16.246" N	76° 7' 53.093" E			
	5	30° 59' 17.386" N	76° 7' 49.809" E			
	6	30° 59' 17.454" N	76° 7' 48.125" E			
	7	30° 59' 18.110" N	76° 7' 46.592" E			
	8	30° 59' 22.044" N	76° 7' 39.060" E			
	9	30° 59' 23.737" N	76° 7' 36.867" E			
	10	30° 59' 24.101" N	76° 7' 45.564" E			
	11	30° 59' 21.334" N	76° 7' 54.093" E			
	12	30° 59' 20.751" N	76° 7' 55.073" E			
	13	30° 59' 19.492" N	76° 7' 56.008" E			
	14	30° 59' 18.597" N	76° 7' 57.446" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	15	30° 59' 18.267" N	76° 7' 58.985" E	
	16	30° 59' 17.115" N	76° 7' 59.329" E	
	17	30° 59' 16.665" N	76° 7' 57.893" E	
PO_SN_NS_ST_50	1	30° 59' 13.664" N	76° 7' 45.285" E	SBS Nagar Sutlej 36
	2	30° 59' 13.091" N	76° 7' 44.607" E	
	3	30° 59' 12.752" N	76° 7' 43.691" E	
	4	30° 59' 12.896" N	76° 7' 42.218" E	
	5	30° 59' 13.050" N	76° 7' 41.673" E	
	6	30° 59' 13.459" N	76° 7' 40.856" E	
	7	30° 59' 13.905" N	76° 7' 39.822" E	
	8	30° 59' 14.133" N	76° 7' 38.838" E	
	9	30° 59' 14.000" N	76° 7' 37.892" E	
	10	30° 59' 13.891" N	76° 7' 36.742" E	
	11	30° 59' 14.363" N	76° 7' 34.848" E	
	12	30° 59' 14.451" N	76° 7' 33.712" E	
	13	30° 59' 14.932" N	76° 7' 32.589" E	
	14	30° 59' 15.098" N	76° 7' 31.936" E	
	15	30° 59' 15.641" N	76° 7' 30.137" E	
	16	30° 59' 15.945" N	76° 7' 28.098" E	
	17	30° 59' 16.774" N	76° 7' 25.502" E	
	18	30° 59' 17.562" N	76° 7' 28.567" E	
	19	30° 59' 18.200" N	76° 7' 32.321" E	
	20	30° 59' 17.384" N	76° 7' 36.916" E	
	21	30° 59' 16.641" N	76° 7' 40.004" E	
	22	30° 59' 16.281" N	76° 7' 41.685" E	
	23	30° 59' 15.931" N	76° 7' 43.869" E	
	24	30° 59' 15.445" N	76° 7' 45.101" E	
	25	30° 59' 14.713" N	76° 7' 45.174" E	
PO_SN_NS_ST_51	1	30° 59' 29.001" N	76° 7' 10.419" E	SBS Nagar Sutlej 37
	2	30° 59' 28.937" N	76° 7' 15.252" E	
	3	30° 59' 27.675" N	76° 7' 18.158" E	
	4	30° 59' 27.120" N	76° 7' 20.033" E	
	5	30° 59' 26.862" N	76° 7' 21.981" E	
	6	30° 59' 26.364" N	76° 7' 25.220" E	
	7	30° 59' 24.834" N	76° 7' 29.202" E	
	8	30° 59' 24.297" N	76° 7' 30.504" E	
	9	30° 59' 21.618" N	76° 7' 32.955" E	
	10	30° 59' 19.876" N	76° 7' 33.025" E	
	11	30° 59' 19.195" N	76° 7' 33.347" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	12	30° 59' 19.014" N	76° 7' 32.536" E	
	13	30° 59' 18.851" N	76° 7' 29.159" E	
	14	30° 59' 18.356" N	76° 7' 27.875" E	
	15	30° 59' 17.832" N	76° 7' 23.608" E	
	16	30° 59' 18.658" N	76° 7' 20.334" E	
	17	30° 59' 20.057" N	76° 7' 17.170" E	
	18	30° 59' 21.087" N	76° 7' 13.999" E	
	19	30° 59' 21.483" N	76° 7' 13.000" E	
	20	30° 59' 21.721" N	76° 7' 12.364" E	
	21	30° 59' 22.275" N	76° 7' 10.886" E	
	22	30° 59' 22.400" N	76° 7' 10.638" E	
	23	30° 59' 23.304" N	76° 7' 9.338" E	
	24	30° 59' 24.094" N	76° 7' 8.367" E	
	25	30° 59' 24.361" N	76° 7' 8.051" E	
26	30° 59' 26.290" N	76° 7' 6.834" E		
27	30° 59' 27.175" N	76° 7' 6.594" E		
28	30° 59' 28.590" N	76° 7' 9.170" E		
PO_SN_NS_ST_52	1	30° 59' 15.006" N	76° 7' 23.495" E	SBS Nagar Sutlej 38
	2	30° 59' 14.898" N	76° 7' 25.867" E	
	3	30° 59' 15.096" N	76° 7' 26.830" E	
	4	30° 59' 13.588" N	76° 7' 27.533" E	
	5	30° 59' 13.603" N	76° 7' 24.483" E	
	6	30° 59' 13.318" N	76° 7' 21.369" E	
	7	30° 59' 17.754" N	76° 7' 16.716" E	
	8	30° 59' 17.326" N	76° 7' 18.056" E	
	9	30° 59' 16.264" N	76° 7' 19.809" E	
PO_SN_NS_ST_53	1	30° 59' 32.017" N	76° 7' 0.231" E	SBS Nagar Sutlej 39
	2	30° 59' 31.950" N	76° 7' 0.668" E	
	3	30° 59' 31.108" N	76° 7' 2.512" E	
	4	30° 59' 30.949" N	76° 7' 3.479" E	
	5	30° 59' 30.815" N	76° 7' 4.119" E	
	6	30° 59' 28.609" N	76° 7' 5.430" E	
	7	30° 59' 28.402" N	76° 7' 4.808" E	
	8	30° 59' 28.378" N	76° 7' 3.408" E	
	9	30° 59' 28.517" N	76° 7' 1.305" E	
	10	30° 59' 29.174" N	76° 6' 59.907" E	
	11	30° 59' 29.424" N	76° 6' 58.487" E	
	12	30° 59' 30.168" N	76° 6' 57.472" E	
	13	30° 59' 31.727" N	76° 6' 56.957" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	14	30° 59' 32.129" N	76° 6' 58.887" E	
PO_SN_NS_ST_54	1	30° 59' 24.051" N	76° 7' 4.538" E	SBS Nagar Sutlej 40
	2	30° 59' 22.976" N	76° 7' 6.138" E	
	3	30° 59' 23.866" N	76° 7' 1.723" E	
	4	30° 59' 24.131" N	76° 7' 1.429" E	
	5	30° 59' 24.479" N	76° 7' 1.880" E	
	6	30° 59' 24.438" N	76° 7' 2.766" E	
PO_SN_NS_ST_55	1	30° 59' 32.602" N	76° 6' 46.993" E	SBS Nagar Sutlej 41
	2	30° 59' 32.592" N	76° 6' 45.688" E	
	3	30° 59' 33.749" N	76° 6' 44.430" E	
	4	30° 59' 35.123" N	76° 6' 42.341" E	
	5	30° 59' 35.464" N	76° 6' 43.837" E	
	6	30° 59' 35.486" N	76° 6' 44.221" E	
	7	30° 59' 34.801" N	76° 6' 49.135" E	
	8	30° 59' 34.144" N	76° 6' 51.754" E	
	9	30° 59' 34.001" N	76° 6' 51.414" E	
	10	30° 59' 32.978" N	76° 6' 49.605" E	
PO_SN_NS_ST_56	1	30° 59' 27.674" N	76° 6' 31.337" E	SBS Nagar Sutlej 42
	2	30° 59' 26.506" N	76° 6' 33.951" E	
	3	30° 59' 26.723" N	76° 6' 36.015" E	
	4	30° 59' 27.153" N	76° 6' 37.345" E	
	5	30° 59' 27.559" N	76° 6' 38.916" E	
	6	30° 59' 27.183" N	76° 6' 40.812" E	
	7	30° 59' 26.697" N	76° 6' 41.460" E	
	8	30° 59' 25.913" N	76° 6' 35.768" E	
	9	30° 59' 27.164" N	76° 6' 27.958" E	
	10	30° 59' 24.554" N	76° 6' 19.850" E	
	11	30° 59' 20.174" N	76° 6' 13.547" E	
	12	30° 59' 21.512" N	76° 6' 13.532" E	
	13	30° 59' 22.722" N	76° 6' 14.025" E	
	14	30° 59' 23.677" N	76° 6' 15.534" E	
	15	30° 59' 24.702" N	76° 6' 16.920" E	
	16	30° 59' 25.646" N	76° 6' 17.358" E	
	17	30° 59' 27.017" N	76° 6' 17.696" E	
	18	30° 59' 28.995" N	76° 6' 18.800" E	
	19	30° 59' 30.361" N	76° 6' 20.579" E	
	20	30° 59' 31.423" N	76° 6' 23.069" E	
	21	30° 59' 31.442" N	76° 6' 26.082" E	
	22	30° 59' 30.824" N	76° 6' 28.096" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	23	30° 59' 29.900" N	76° 6' 29.797" E	
PO_SN_NS_ST_57	1	30° 59' 30.006" N	76° 6' 35.816" E	SBS Nagar Sutlej 43
	2	30° 59' 29.659" N	76° 6' 33.496" E	
	3	30° 59' 29.959" N	76° 6' 31.668" E	
	4	30° 59' 30.153" N	76° 6' 30.782" E	
	5	30° 59' 31.113" N	76° 6' 29.643" E	
	6	30° 59' 32.397" N	76° 6' 28.654" E	
	7	30° 59' 33.819" N	76° 6' 27.247" E	
	8	30° 59' 34.724" N	76° 6' 25.524" E	
	9	30° 59' 34.759" N	76° 6' 25.519" E	
	10	30° 59' 35.060" N	76° 6' 28.111" E	
	11	30° 59' 32.965" N	76° 6' 33.894" E	
	12	30° 59' 30.383" N	76° 6' 36.382" E	
PO_SN_AR_ST_58	1	30° 59' 32.468" N	76° 6' 22.413" E	SBS Nagar Sutlej 44
	2	30° 59' 32.153" N	76° 6' 20.228" E	
	3	30° 59' 30.863" N	76° 6' 17.464" E	
	4	30° 59' 29.542" N	76° 6' 15.572" E	
	5	30° 59' 28.156" N	76° 6' 14.398" E	
	6	30° 59' 25.997" N	76° 6' 13.460" E	
	7	30° 59' 23.090" N	76° 6' 10.312" E	
	8	30° 59' 22.528" N	76° 6' 8.247" E	
	9	30° 59' 23.580" N	76° 6' 4.478" E	
	10	30° 59' 25.898" N	76° 5' 58.817" E	
	11	30° 59' 31.964" N	76° 6' 4.974" E	
	12	30° 59' 32.842" N	76° 6' 7.386" E	
	13	30° 59' 33.069" N	76° 6' 8.858" E	
	14	30° 59' 33.292" N	76° 6' 10.345" E	
	15	30° 59' 33.281" N	76° 6' 12.008" E	
	16	30° 59' 32.302" N	76° 6' 16.804" E	
	17	30° 59' 33.849" N	76° 6' 23.669" E	
	18	30° 59' 33.481" N	76° 6' 24.559" E	
PO_SN_AR_ST_59	1	30° 59' 21.399" N	76° 6' 4.558" E	SBS Nagar Sutlej 45
	2	30° 59' 20.847" N	76° 6' 6.792" E	
	3	30° 59' 21.117" N	76° 6' 9.521" E	
	4	30° 59' 22.225" N	76° 6' 12.280" E	
	5	30° 59' 20.337" N	76° 6' 12.387" E	
	6	30° 59' 19.499" N	76° 6' 12.615" E	
	7	30° 59' 17.193" N	76° 6' 9.504" E	
	8	30° 59' 16.806" N	76° 6' 6.233" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	9	30° 59' 16.149" N	76° 6' 2.739" E	
	10	30° 59' 15.649" N	76° 6' 1.123" E	
	11	30° 59' 15.729" N	76° 6' 0.297" E	
	12	30° 59' 19.050" N	76° 5' 52.660" E	
	13	30° 59' 22.053" N	76° 5' 49.032" E	
	14	30° 59' 22.322" N	76° 5' 49.856" E	
	15	30° 59' 22.367" N	76° 5' 50.842" E	
	16	30° 59' 22.497" N	76° 5' 52.446" E	
	17	30° 59' 23.401" N	76° 5' 54.141" E	
	18	30° 59' 24.140" N	76° 5' 56.083" E	
	19	30° 59' 24.719" N	76° 5' 57.111" E	
	20	30° 59' 24.691" N	76° 5' 58.343" E	
	21	30° 59' 23.654" N	76° 5' 59.932" E	
	22	30° 59' 22.329" N	76° 6' 2.270" E	
PO_SN_AR_ST_61	1	30° 59' 25.582" N	76° 5' 45.904" E	SBS Nagar Sutlej 46
	2	30° 59' 25.048" N	76° 5' 44.287" E	
	3	30° 59' 25.809" N	76° 5' 42.679" E	
	4	30° 59' 28.802" N	76° 5' 45.351" E	
	5	30° 59' 28.975" N	76° 5' 45.901" E	
	6	30° 59' 30.142" N	76° 5' 52.154" E	
	7	30° 59' 29.673" N	76° 5' 52.873" E	
	8	30° 59' 29.308" N	76° 5' 52.492" E	
	9	30° 59' 28.982" N	76° 5' 51.754" E	
	10	30° 59' 28.160" N	76° 5' 50.590" E	
	11	30° 59' 27.471" N	76° 5' 49.822" E	
	12	30° 59' 26.861" N	76° 5' 48.295" E	
	13	30° 59' 26.114" N	76° 5' 47.114" E	
PO_SN_AR_ST_61 B	1	30° 59' 38.963" N	76° 4' 53.145" E	SBS Nagar Sutlej 47
	2	30° 59' 38.031" N	76° 4' 53.421" E	
	3	30° 59' 38.060" N	76° 4' 52.133" E	
	4	30° 59' 38.600" N	76° 4' 51.568" E	
	5	30° 59' 40.634" N	76° 4' 50.630" E	
	6	30° 59' 42.788" N	76° 4' 49.857" E	
	7	30° 59' 44.154" N	76° 4' 49.495" E	
	8	30° 59' 45.998" N	76° 4' 49.233" E	
	9	30° 59' 42.773" N	76° 4' 50.879" E	
	10	30° 59' 40.976" N	76° 4' 53.445" E	
PO_SN_AR_ST_62	1	30° 59' 40.681" N	76° 4' 46.026" E	SBS Nagar Sutlej 48
	2	30° 59' 38.729" N	76° 4' 46.287" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS		
	3	30° 59' 38.975" N	76° 4' 45.478" E			
	4	30° 59' 40.791" N	76° 4' 45.779" E			
	5	30° 59' 44.296" N	76° 4' 39.934" E			
	6	30° 59' 49.448" N	76° 4' 29.447" E			
	7	30° 59' 49.535" N	76° 4' 28.494" E			
	8	30° 59' 49.981" N	76° 4' 28.990" E			
	9	30° 59' 50.777" N	76° 4' 31.150" E			
	10	30° 59' 50.602" N	76° 4' 35.476" E			
	11	30° 59' 48.790" N	76° 4' 40.290" E			
	12	30° 59' 46.095" N	76° 4' 43.196" E			
	13	30° 59' 43.968" N	76° 4' 45.002" E			
	PO_SN_AR_ST_63	1	31° 0' 1.480" N		76° 3' 57.675" E	SBS Nagar Sutlej 49
		2	30° 59' 59.436" N		76° 4' 1.670" E	
3		30° 59' 59.400" N	76° 4' 7.214" E			
4		30° 59' 59.575" N	76° 4' 11.250" E			
5		30° 59' 57.826" N	76° 4' 16.695" E			
6		30° 59' 56.236" N	76° 4' 19.223" E			
7		30° 59' 56.856" N	76° 4' 16.567" E			
8		30° 59' 57.317" N	76° 4' 14.577" E			
9		30° 59' 57.784" N	76° 4' 13.708" E			
10		30° 59' 57.949" N	76° 4' 12.892" E			
11		30° 59' 58.088" N	76° 4' 12.152" E			
12		30° 59' 58.226" N	76° 4' 11.239" E			
13		30° 59' 58.029" N	76° 4' 10.226" E			
14		30° 59' 58.026" N	76° 4' 9.295" E			
15		30° 59' 58.246" N	76° 4' 7.931" E			
16		30° 59' 58.581" N	76° 4' 7.020" E			
17		30° 59' 58.577" N	76° 4' 5.797" E			
18		30° 59' 58.601" N	76° 4' 4.377" E			
19		30° 59' 58.769" N	76° 4' 3.613" E			
20		30° 59' 58.908" N	76° 4' 1.930" E			
21		30° 59' 58.935" N	76° 4' 0.845" E			
22		30° 59' 59.220" N	76° 4' 0.179" E			
23		30° 59' 59.769" N	76° 3' 59.468" E			
24		31° 0' 0.090" N	76° 3' 57.596" E			
25		31° 0' 0.415" N	76° 3' 55.969" E			
26		31° 0' 0.504" N	76° 3' 54.646" E			
27		31° 0' 0.624" N	76° 3' 53.285" E			
28		31° 0' 0.714" N	76° 3' 51.454" E			



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	29	31° 0' 1.228" N	76° 3' 50.283" E	
	30	31° 0' 2.437" N	76° 3' 48.637" E	
	31	31° 0' 3.361" N	76° 3' 46.425" E	
	32	31° 0' 3.913" N	76° 3' 45.203" E	
	33	31° 0' 5.081" N	76° 3' 44.249" E	
	34	31° 0' 6.854" N	76° 3' 43.407" E	
	35	31° 0' 7.655" N	76° 3' 43.349" E	
	36	31° 0' 7.685" N	76° 3' 43.702" E	
	37	31° 0' 8.220" N	76° 3' 46.212" E	
	38	31° 0' 4.613" N	76° 3' 50.487" E	
PO_SN_AR_ST_64	1	30° 59' 58.213" N	76° 4' 1.592" E	SBS Nagar Sutlej 50
	2	30° 59' 57.012" N	76° 4' 6.464" E	
	3	30° 59' 57.354" N	76° 4' 9.287" E	
	4	30° 59' 56.720" N	76° 4' 11.675" E	
	5	30° 59' 55.452" N	76° 4' 11.391" E	
	6	30° 59' 54.431" N	76° 4' 10.097" E	
	7	30° 59' 54.276" N	76° 4' 10.031" E	
	8	30° 59' 53.361" N	76° 4' 9.051" E	
	9	30° 59' 53.887" N	76° 4' 6.944" E	
	10	30° 59' 55.330" N	76° 4' 4.358" E	
	11	30° 59' 55.327" N	76° 4' 2.810" E	
	12	30° 59' 55.855" N	76° 4' 0.564" E	
	13	30° 59' 56.315" N	76° 3' 57.588" E	
	14	30° 59' 56.533" N	76° 3' 55.086" E	
	15	30° 59' 57.511" N	76° 3' 53.131" E	
	16	30° 59' 59.158" N	76° 3' 51.128" E	
	17	31° 0' 0.627" N	76° 3' 48.940" E	
	18	31° 0' 2.095" N	76° 3' 47.498" E	
	19	31° 0' 2.033" N	76° 3' 48.210" E	
	20	31° 0' 0.357" N	76° 3' 51.848" E	
	21	31° 0' 0.054" N	76° 3' 54.267" E	
	22	30° 59' 59.250" N	76° 3' 55.992" E	
	23	30° 59' 58.641" N	76° 3' 58.791" E	
PO_SN_AR_ST_65	1	30° 59' 54.669" N	76° 3' 53.614" E	SBS Nagar Sutlej 51
	2	30° 59' 54.512" N	76° 3' 54.636" E	
	3	30° 59' 54.518" N	76° 3' 54.952" E	
	4	30° 59' 54.383" N	76° 3' 56.598" E	
	5	30° 59' 53.838" N	76° 3' 58.516" E	
	6	30° 59' 53.142" N	76° 3' 58.976" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	7	30° 59' 52.931" N	76° 3' 58.494" E	SBS Nagar Sutlej 52
	8	30° 59' 52.885" N	76° 3' 58.159" E	
	9	30° 59' 53.997" N	76° 3' 51.034" E	
	10	30° 59' 54.106" N	76° 3' 50.697" E	
PO_SN_AR_ST_66	1	30° 59' 57.366" N	76° 3' 52.112" E	
	2	30° 59' 57.087" N	76° 3' 51.424" E	
	3	30° 59' 57.151" N	76° 3' 42.420" E	
	4	30° 59' 57.488" N	76° 3' 41.891" E	
	5	31° 0' 5.461" N	76° 3' 42.630" E	
	6	31° 0' 4.807" N	76° 3' 43.810" E	
	7	31° 0' 3.540" N	76° 3' 44.297" E	
	8	31° 0' 3.176" N	76° 3' 45.874" E	
	9	31° 0' 2.781" N	76° 3' 46.760" E	
	10	31° 0' 2.062" N	76° 3' 47.334" E	
	11	31° 0' 1.188" N	76° 3' 47.767" E	
	12	31° 0' 0.154" N	76° 3' 48.807" E	
	13	30° 59' 59.316" N	76° 3' 50.288" E	
	14	30° 59' 58.400" N	76° 3' 51.708" E	
PO_SN_AR_ST_66 A	1	31° 0' 7.943" N	76° 3' 41.103" E	SBS Nagar Sutlej 53
	2	31° 0' 7.586" N	76° 3' 42.551" E	
	3	31° 0' 7.600" N	76° 3' 42.715" E	
	4	31° 0' 7.290" N	76° 3' 42.957" E	
	5	31° 0' 6.611" N	76° 3' 43.054" E	
	6	31° 0' 6.059" N	76° 3' 43.236" E	
	7	31° 0' 5.713" N	76° 3' 43.188" E	
	8	31° 0' 6.162" N	76° 3' 42.695" E	
	9	31° 0' 7.022" N	76° 3' 42.775" E	
	10	31° 0' 7.226" N	76° 3' 38.840" E	
	11	31° 0' 7.523" N	76° 3' 39.300" E	
	12	31° 0' 7.783" N	76° 3' 40.201" E	
	13	31° 0' 7.904" N	76° 3' 40.918" E	
PO_SN_AR_ST_66 B	1	31° 0' 7.682" N	76° 3' 38.142" E	SBS Nagar Sutlej 54
	2	31° 0' 7.290" N	76° 3' 37.596" E	
	3	31° 0' 7.505" N	76° 3' 33.410" E	
	4	31° 0' 7.433" N	76° 3' 33.035" E	
	5	31° 0' 7.638" N	76° 3' 32.727" E	
	6	31° 0' 8.120" N	76° 3' 31.602" E	
	7	31° 0' 8.326" N	76° 3' 33.092" E	
	8	31° 0' 8.245" N	76° 3' 35.822" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	9	31° 0' 7.860" N	76° 3' 38.244" E	
PO_SN_AR_ST_66 C	1	31° 0' 8.397" N	76° 3' 24.325" E	SBS Nagar Sutlej 55
	2	31° 0' 8.210" N	76° 3' 26.133" E	
	3	31° 0' 8.334" N	76° 3' 28.045" E	
	4	31° 0' 7.965" N	76° 3' 30.482" E	
	5	31° 0' 8.018" N	76° 3' 30.863" E	
	6	31° 0' 7.718" N	76° 3' 31.487" E	
	7	31° 0' 7.273" N	76° 3' 32.206" E	
	8	31° 0' 6.206" N	76° 3' 26.670" E	
	9	31° 0' 6.849" N	76° 3' 25.970" E	
	10	31° 0' 7.417" N	76° 3' 25.187" E	
PO_SN_AR_ST_67	1	31° 0' 7.134" N	76° 3' 10.571" E	SBS Nagar Sutlej 56
	2	31° 0' 6.447" N	76° 3' 14.651" E	
	3	31° 0' 6.479" N	76° 3' 16.005" E	
	4	31° 0' 6.620" N	76° 3' 17.985" E	
	5	31° 0' 6.031" N	76° 3' 18.876" E	
	6	31° 0' 5.053" N	76° 3' 18.786" E	
	7	31° 0' 4.587" N	76° 3' 18.276" E	
	8	31° 0' 3.369" N	76° 3' 11.959" E	
	9	31° 0' 3.053" N	76° 3' 0.834" E	
	10	31° 0' 2.422" N	76° 2' 59.649" E	
	11	31° 0' 3.144" N	76° 2' 59.598" E	
	12	31° 0' 4.195" N	76° 3' 0.708" E	
	13	31° 0' 4.838" N	76° 3' 1.876" E	
	14	31° 0' 5.162" N	76° 3' 3.216" E	
	15	31° 0' 5.981" N	76° 3' 4.572" E	
	16	31° 0' 6.399" N	76° 3' 5.767" E	
	17	31° 0' 6.657" N	76° 3' 7.649" E	
	18	31° 0' 6.228" N	76° 3' 8.725" E	
	19	31° 0' 5.365" N	76° 3' 9.823" E	
	20	31° 0' 4.604" N	76° 3' 10.691" E	
	21	31° 0' 4.200" N	76° 3' 11.280" E	
	22	31° 0' 4.907" N	76° 3' 10.537" E	
	23	31° 0' 5.015" N	76° 3' 10.478" E	
	24	31° 0' 6.029" N	76° 3' 9.729" E	
	25	31° 0' 6.431" N	76° 3' 9.569" E	
	26	31° 0' 6.725" N	76° 3' 9.586" E	
PO_SN_AR_ST_67 A	1	30° 59' 59.246" N	76° 2' 53.694" E	SBS Nagar Sutlej 57
	2	30° 59' 58.888" N	76° 2' 53.511" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS		
	3	30° 59' 59.055" N	76° 2' 52.823" E			
	4	30° 59' 58.864" N	76° 2' 51.781" E			
	5	30° 59' 58.775" N	76° 2' 50.323" E			
	6	30° 59' 59.289" N	76° 2' 50.511" E			
	7	31° 0' 0.153" N	76° 2' 51.578" E			
	8	31° 0' 1.264" N	76° 2' 53.257" E			
	9	31° 0' 1.394" N	76° 2' 54.279" E			
	10	31° 0' 1.122" N	76° 2' 55.759" E			
	11	31° 0' 0.795" N	76° 2' 56.599" E			
	PO_SN_AR_ST_68	1	30° 59' 58.682" N		76° 2' 53.406" E	SBS Nagar Sutlej 58
		2	30° 59' 54.654" N		76° 2' 51.349" E	
3		30° 59' 54.589" N	76° 2' 42.132" E			
4		30° 59' 52.481" N	76° 2' 34.462" E			
5		30° 59' 52.213" N	76° 2' 28.775" E			
6		30° 59' 52.408" N	76° 2' 29.097" E			
7		30° 59' 53.313" N	76° 2' 30.143" E			
8		30° 59' 53.943" N	76° 2' 30.801" E			
9		30° 59' 54.566" N	76° 2' 31.599" E			
10		30° 59' 55.389" N	76° 2' 32.974" E			
11		30° 59' 55.829" N	76° 2' 34.004" E			
12		30° 59' 56.149" N	76° 2' 34.958" E			
13		30° 59' 56.309" N	76° 2' 35.610" E			
14		30° 59' 56.496" N	76° 2' 36.454" E			
15		30° 59' 56.874" N	76° 2' 37.358" E			
16		30° 59' 57.205" N	76° 2' 38.641" E			
17		30° 59' 57.290" N	76° 2' 39.542" E			
18		30° 59' 57.264" N	76° 2' 40.666" E			
19		30° 59' 57.049" N	76° 2' 42.366" E			
20		30° 59' 56.863" N	76° 2' 45.075" E			
21		30° 59' 57.222" N	76° 2' 46.621" E			
22		30° 59' 57.444" N	76° 2' 47.090" E			
23		30° 59' 57.457" N	76° 2' 48.008" E			
24		30° 59' 58.373" N	76° 2' 51.439" E			
25		30° 59' 58.712" N	76° 2' 53.005" E			
PO_SN_AR_ST_68 A	1	31° 0' 0.485" N	76° 2' 28.848" E	SBS Nagar Sutlej 59		
	2	31° 0' 0.323" N	76° 2' 27.351" E			
	3	31° 0' 0.797" N	76° 2' 27.237" E			
	4	31° 0' 1.378" N	76° 2' 27.091" E			
	5	31° 0' 2.081" N	76° 2' 26.990" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS		
	6	31° 0' 3.432" N	76° 2' 26.538" E			
	7	31° 0' 3.454" N	76° 2' 26.536" E			
	8	31° 0' 4.586" N	76° 2' 26.620" E			
	9	31° 0' 4.633" N	76° 2' 26.680" E			
	10	31° 0' 4.710" N	76° 2' 26.698" E			
	11	31° 0' 3.745" N	76° 2' 31.655" E			
	12	31° 0' 2.391" N	76° 2' 36.622" E			
	13	31° 0' 2.303" N	76° 2' 36.383" E			
	14	31° 0' 2.155" N	76° 2' 35.724" E			
	15	31° 0' 2.029" N	76° 2' 34.694" E			
	16	31° 0' 1.840" N	76° 2' 33.460" E			
	17	31° 0' 1.777" N	76° 2' 32.546" E			
	18	31° 0' 1.591" N	76° 2' 31.926" E			
	19	31° 0' 1.225" N	76° 2' 31.315" E			
	20	31° 0' 0.863" N	76° 2' 30.346" E			
	PO_SN_AR_ST_69	1	30° 59' 51.961" N		76° 2' 23.444" E	SBS Nagar Sutlej 60
		2	30° 59' 51.927" N		76° 2' 17.170" E	
		3	30° 59' 53.269" N		76° 2' 16.887" E	
		4	30° 59' 54.466" N		76° 2' 16.440" E	
		5	30° 59' 55.912" N		76° 2' 16.285" E	
6		30° 59' 56.849" N	76° 2' 16.130" E			
7		30° 59' 57.317" N	76° 2' 16.549" E			
8		30° 59' 57.488" N	76° 2' 17.945" E			
9		30° 59' 57.302" N	76° 2' 20.368" E			
10		30° 59' 56.388" N	76° 2' 22.655" E			
11		30° 59' 55.874" N	76° 2' 25.277" E			
12		30° 59' 54.866" N	76° 2' 28.743" E			
13		30° 59' 54.797" N	76° 2' 30.681" E			
14		30° 59' 53.316" N	76° 2' 29.436" E			
15		30° 59' 53.315" N	76° 2' 29.411" E			
16		30° 59' 52.185" N	76° 2' 28.180" E			
PO_SN_AR_ST_69 A	1	30° 59' 53.475" N	76° 2' 12.669" E	SBS Nagar Sutlej 61		
	2	30° 59' 52.446" N	76° 2' 12.732" E			
	3	30° 59' 51.902" N	76° 2' 12.496" E			
	4	30° 59' 51.888" N	76° 2' 9.702" E			
	5	30° 59' 52.527" N	76° 2' 2.982" E			
	6	30° 59' 52.725" N	76° 2' 2.440" E			
	7	30° 59' 52.763" N	76° 2' 1.660" E			
	8	30° 59' 53.535" N	76° 2' 0.357" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	9	30° 59' 54.233" N	76° 2' 0.942" E	
	10	30° 59' 53.707" N	76° 2' 2.880" E	
	11	30° 59' 53.451" N	76° 2' 4.077" E	
	12	30° 59' 53.174" N	76° 2' 6.902" E	
	13	30° 59' 53.426" N	76° 2' 8.430" E	
	14	30° 59' 54.220" N	76° 2' 9.539" E	
	15	30° 59' 54.511" N	76° 2' 10.830" E	
	16	30° 59' 54.290" N	76° 2' 11.702" E	
PO_SN_AR_ST_69 B	1	30° 59' 54.811" N	76° 1' 54.803" E	SBS Nagar Sutlej 62
	2	30° 59' 54.775" N	76° 1' 53.664" E	
	3	30° 59' 55.246" N	76° 1' 51.990" E	
	4	30° 59' 55.515" N	76° 1' 52.862" E	
	5	30° 59' 55.917" N	76° 1' 53.558" E	
	6	30° 59' 56.268" N	76° 1' 54.091" E	
	7	30° 59' 56.727" N	76° 1' 54.508" E	
	8	30° 59' 57.289" N	76° 1' 54.894" E	
	9	30° 59' 57.611" N	76° 1' 55.286" E	
	10	30° 59' 57.564" N	76° 1' 55.714" E	
	11	30° 59' 56.911" N	76° 1' 56.179" E	
	12	30° 59' 56.249" N	76° 1' 56.219" E	
	13	30° 59' 55.699" N	76° 1' 55.980" E	
	14	30° 59' 55.070" N	76° 1' 55.448" E	
PO_SN_AR_ST_70	1	31° 0' 7.184" N	76° 2' 5.620" E	SBS Nagar Sutlej 63
	2	31° 0' 7.232" N	76° 2' 7.282" E	
	3	31° 0' 6.440" N	76° 2' 15.400" E	
	4	31° 0' 3.303" N	76° 2' 15.580" E	
	5	31° 0' 3.056" N	76° 2' 14.824" E	
	6	31° 0' 2.316" N	76° 2' 9.189" E	
	7	31° 0' 2.150" N	76° 2' 5.993" E	
	8	31° 0' 2.683" N	76° 2' 4.694" E	
	9	31° 0' 3.075" N	76° 2' 4.143" E	
	10	31° 0' 3.999" N	76° 2' 3.418" E	
	11	31° 0' 4.905" N	76° 2' 1.987" E	
	12	31° 0' 5.052" N	76° 1' 59.983" E	
	13	31° 0' 4.737" N	76° 1' 58.189" E	
	14	31° 0' 4.857" N	76° 1' 56.816" E	
	15	31° 0' 5.720" N	76° 1' 56.135" E	
	16	31° 0' 7.161" N	76° 1' 54.529" E	
	17	31° 0' 7.457" N	76° 1' 53.991" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	18	31° 0' 8.267" N	76° 1' 57.022" E	
	19	31° 0' 7.469" N	76° 2' 4.857" E	
PO_SN_AR_ST_71	1	31° 0' 5.284" N	76° 1' 52.206" E	SBS Nagar Sutlej 64
	2	31° 0' 5.260" N	76° 1' 52.206" E	
	3	31° 0' 4.070" N	76° 1' 52.402" E	
	4	31° 0' 2.993" N	76° 1' 52.568" E	
	5	31° 0' 1.538" N	76° 1' 53.092" E	
	6	31° 0' 0.640" N	76° 1' 53.039" E	
	7	30° 59' 59.677" N	76° 1' 53.516" E	
	8	30° 59' 58.392" N	76° 1' 53.944" E	
	9	30° 59' 57.012" N	76° 1' 53.987" E	
	10	30° 59' 56.353" N	76° 1' 53.616" E	
	11	30° 59' 56.005" N	76° 1' 52.137" E	
	12	30° 59' 56.378" N	76° 1' 50.856" E	
	13	30° 59' 57.055" N	76° 1' 49.793" E	
	14	30° 59' 57.641" N	76° 1' 48.970" E	
	15	30° 59' 59.397" N	76° 1' 46.983" E	
	16	30° 59' 59.509" N	76° 1' 46.285" E	
	17	30° 59' 59.297" N	76° 1' 45.591" E	
	18	30° 59' 59.540" N	76° 1' 44.578" E	
	19	31° 0' 0.100" N	76° 1' 43.514" E	
	20	31° 0' 1.127" N	76° 1' 42.197" E	
	21	31° 0' 1.971" N	76° 1' 41.510" E	
	22	31° 0' 3.155" N	76° 1' 40.726" E	
	23	31° 0' 4.027" N	76° 1' 39.952" E	
	24	31° 0' 5.365" N	76° 1' 39.397" E	
	25	31° 0' 5.544" N	76° 1' 41.560" E	
	26	31° 0' 5.409" N	76° 1' 43.180" E	
	27	31° 0' 5.469" N	76° 1' 44.717" E	
	28	31° 0' 5.891" N	76° 1' 45.263" E	
	29	31° 0' 6.155" N	76° 1' 49.116" E	
	30	31° 0' 6.722" N	76° 1' 51.237" E	
	31	31° 0' 6.122" N	76° 1' 51.736" E	
PO_SN_AR_ST_71 A	1	31° 0' 2.835" N	76° 1' 32.054" E	SBS Nagar Sutlej 65
	2	31° 0' 2.801" N	76° 1' 29.906" E	
	3	31° 0' 3.081" N	76° 1' 28.716" E	
	4	31° 0' 3.973" N	76° 1' 27.621" E	
	5	31° 0' 5.041" N	76° 1' 27.565" E	
	6	31° 0' 5.158" N	76° 1' 28.022" E	



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
	7	31° 0' 5.248" N	76° 1' 32.345" E	
	8	31° 0' 4.398" N	76° 1' 33.300" E	
	9	31° 0' 3.746" N	76° 1' 33.691" E	
	10	31° 0' 3.273" N	76° 1' 34.129" E	
PO_SN_AR_ST_72	1	31° 0' 1.893" N	76° 1' 30.380" E	SBS Nagar Sutlej 66
	2	31° 0' 1.525" N	76° 1' 31.480" E	
	3	31° 0' 1.537" N	76° 1' 32.697" E	
	4	31° 0' 1.084" N	76° 1' 34.479" E	
	5	31° 0' 0.348" N	76° 1' 36.154" E	
	6	30° 59' 58.682" N	76° 1' 38.094" E	
	7	30° 59' 57.348" N	76° 1' 39.031" E	
	8	30° 59' 55.494" N	76° 1' 39.995" E	
	9	30° 59' 53.851" N	76° 1' 41.213" E	
	10	30° 59' 52.047" N	76° 1' 43.909" E	
	11	30° 59' 50.940" N	76° 1' 31.927" E	
	12	30° 59' 50.738" N	76° 1' 21.663" E	
	13	30° 59' 48.486" N	76° 1' 11.340" E	
	14	30° 59' 47.448" N	76° 1' 7.603" E	
	15	30° 59' 47.978" N	76° 1' 7.690" E	
	16	30° 59' 54.472" N	76° 1' 11.352" E	
	17	30° 59' 58.350" N	76° 1' 14.436" E	
	18	30° 59' 59.721" N	76° 1' 16.160" E	
	19	31° 0' 0.515" N	76° 1' 18.946" E	
	20	31° 0' 0.884" N	76° 1' 22.326" E	
	21	31° 0' 2.184" N	76° 1' 27.364" E	
	22	31° 0' 2.223" N	76° 1' 28.997" E	
PO_SN_AR_ST_81 A	1	31° 0' 36.759" N	75° 58' 45.044" E	SBS Nagar Sutlej 67
	2	31° 0' 34.025" N	75° 58' 43.048" E	
	3	31° 0' 34.210" N	75° 58' 42.299" E	
	4	31° 0' 34.743" N	75° 58' 41.183" E	
	5	31° 0' 35.883" N	75° 58' 39.491" E	
	6	31° 0' 36.221" N	75° 58' 40.023" E	
	7	31° 0' 36.236" N	75° 58' 40.038" E	
	8	31° 0' 36.749" N	75° 58' 40.892" E	
	9	31° 0' 37.054" N	75° 58' 41.794" E	
	10	31° 0' 37.093" N	75° 58' 42.749" E	
	11	31° 0' 36.930" N	75° 58' 44.282" E	
PO_SN_AR_ST_81 C	1	31° 0' 29.881" N	75° 58' 37.638" E	SBS Nagar Sutlej 68
	2	31° 0' 29.757" N	75° 58' 39.248" E	



District Survey Report
SBS Nagar District,
Punjab

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS		
	3	31° 0' 29.867" N	75° 58' 40.012" E			
	4	31° 0' 29.537" N	75° 58' 39.772" E			
	5	31° 0' 28.407" N	75° 58' 38.377" E			
	6	31° 0' 30.221" N	75° 58' 34.203" E			
	7	31° 0' 30.462" N	75° 58' 33.318" E			
	8	31° 0' 30.603" N	75° 58' 33.387" E			
	9	31° 0' 30.905" N	75° 58' 33.790" E			
	10	31° 0' 31.748" N	75° 58' 34.100" E			
	11	31° 0' 31.695" N	75° 58' 34.723" E			
	12	31° 0' 31.273" N	75° 58' 35.534" E			
	13	31° 0' 30.974" N	75° 58' 35.750" E			
	14	31° 0' 30.233" N	75° 58' 36.691" E			
	PO_SN_AR_ST_81 D	1	31° 0' 32.586" N		75° 58' 35.478" E	SBS Nagar Sutlej 69
		2	31° 0' 32.518" N		75° 58' 35.182" E	
3		31° 0' 33.058" N	75° 58' 35.177" E			
4		31° 0' 33.500" N	75° 58' 35.144" E			
5		31° 0' 33.712" N	75° 58' 34.725" E			
6		31° 0' 33.907" N	75° 58' 33.906" E			
7		31° 0' 33.978" N	75° 58' 33.400" E			
8		31° 0' 34.115" N	75° 58' 32.924" E			
9		31° 0' 34.428" N	75° 58' 32.495" E			
10		31° 0' 34.650" N	75° 58' 33.014" E			
11		31° 0' 34.534" N	75° 58' 34.510" E			
12		31° 0' 34.386" N	75° 58' 35.303" E			
13		31° 0' 33.887" N	75° 58' 36.389" E			
14		31° 0' 33.406" N	75° 58' 37.141" E			
15		31° 0' 33.122" N	75° 58' 36.985" E			
16		31° 0' 32.651" N	75° 58' 36.395" E			
PO_SN_AR_ST_81 F	1	31° 0' 34.918" N	75° 58' 24.629" E	SBS Nagar Sutlej 70		
	2	31° 0' 34.522" N	75° 58' 23.529" E			
	3	31° 0' 34.633" N	75° 58' 22.392" E			
	4	31° 0' 34.888" N	75° 58' 22.389" E			
	5	31° 0' 35.778" N	75° 58' 22.846" E			
	6	31° 0' 36.310" N	75° 58' 23.943" E			
	7	31° 0' 36.500" N	75° 58' 25.080" E			
	8	31° 0' 36.273" N	75° 58' 25.839" E			
	9	31° 0' 35.822" N	75° 58' 26.783" E			
	10	31° 0' 35.410" N	75° 58' 26.225" E			
	11	31° 0' 35.156" N	75° 58' 25.565" E			



*District Survey Report
SBS Nagar District,
Punjab*

SANDBAR CODE	POINT NO	LATITUDE	LONGITUDE	LEASE DETAILS
PO_SN_AR_ST_82	1	31° 0' 37.237" N	75° 58' 37.514" E	SBS Nagar Sutlej 71
	2	31° 0' 37.076" N	75° 58' 35.326" E	
	3	31° 0' 37.226" N	75° 58' 31.735" E	
	4	31° 0' 37.523" N	75° 58' 27.890" E	
	5	31° 0' 37.601" N	75° 58' 25.219" E	
	6	31° 0' 37.843" N	75° 58' 22.470" E	
	7	31° 0' 37.960" N	75° 58' 19.823" E	
	8	31° 0' 38.302" N	75° 58' 18.095" E	
	9	31° 0' 38.968" N	75° 58' 15.731" E	
	10	31° 0' 39.399" N	75° 58' 14.902" E	
	11	31° 0' 40.127" N	75° 58' 14.686" E	
	12	31° 0' 42.340" N	75° 58' 19.698" E	
	13	31° 0' 42.390" N	75° 58' 20.043" E	
	14	31° 0' 43.097" N	75° 58' 21.454" E	
	15	31° 0' 44.094" N	75° 58' 27.521" E	
	16	31° 0' 40.681" N	75° 58' 34.567" E	
	17	31° 0' 39.022" N	75° 58' 39.034" E	
	18	31° 0' 38.317" N	75° 58' 41.521" E	
	19	31° 0' 37.864" N	75° 58' 40.500" E	



BENCH MARK

Bench Mark	Coordinates	Elevation	Sandbars Code
Mattewara Bridge (Nearby Bridge)	31.0053N 75.998E	249.719 m	81A-82
Jhungian	31.002525°N 76.025848°E	247.595 m	69A-72
Nearby Talwandi Sibū	31.003055° N 76.040554°E	246.077 m	61B- 68A
Machhiwara Bridge (Nearby Bridge)	30.98578 N 76.14713E	250.513 m	34-61
Dugri	31.005828° N 76.303243°E	253.900 m	14-32
Rail Bramad	30.976799° N 76.483388°E	261.651 m	7-13

Permanent Bench Mark	Coordinates	Elevation
Ropar Headworks	30.985808°N 76.520350°E	267.54 m
Nawanshahar Doaba Railway Station	31.121704°N 76.108837°E	256.30 m





Latitute: 30.192808
 Longitude: 76.500316
 Elevation: 278.6664 m
 Accuracy: 13.6 m
 Altitude: 322' (NW)
 Pitch: -3.2° (-1.4°)
 Date: 25-01-2023 09:45
 Note: Fossil Headquarter



BENCH MARK PHOTOGRAPHS





Annexure H
**(Detailed Lithological Section of Agriculture Sites up
to 15 feet)**

Chandpur Rurki Site 1

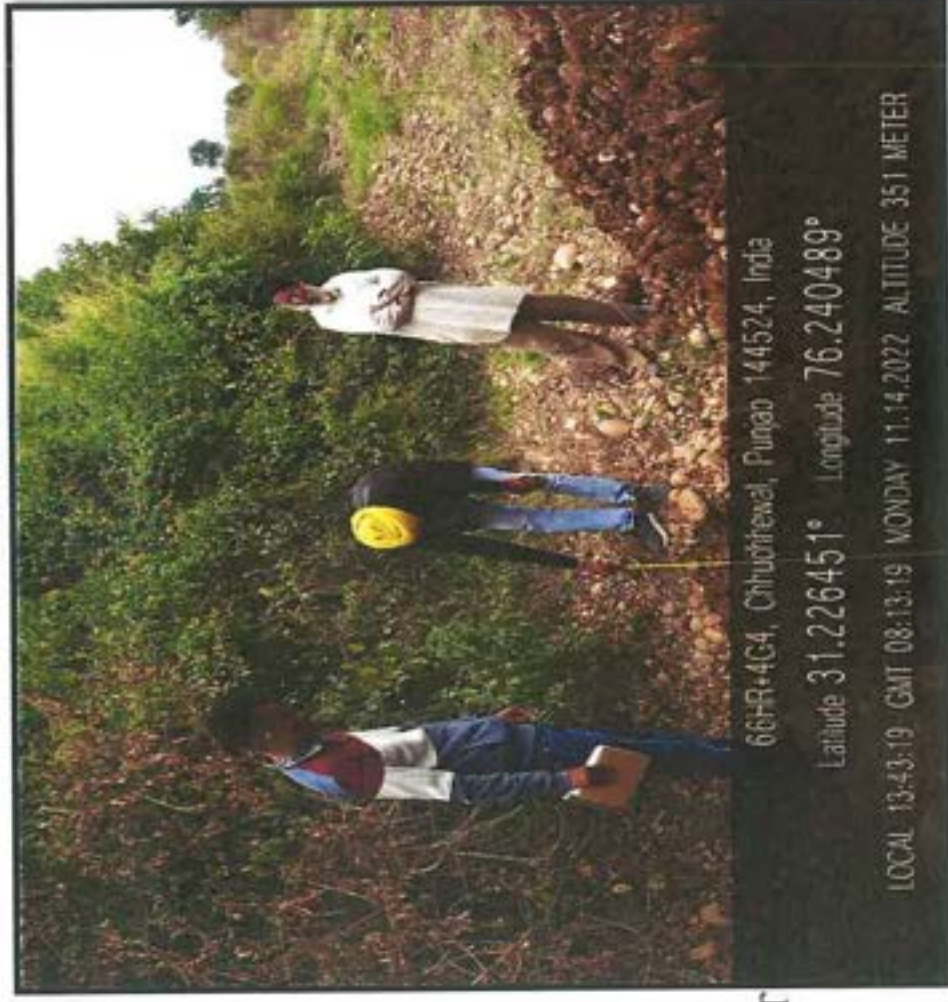
Depth	Litholog (upto 3m)
0 to 3m	Gravel

Calculation of total reserve:

$\text{Area(Ha.)} * 10000 * \text{Bulk Density} * \text{Depth}$

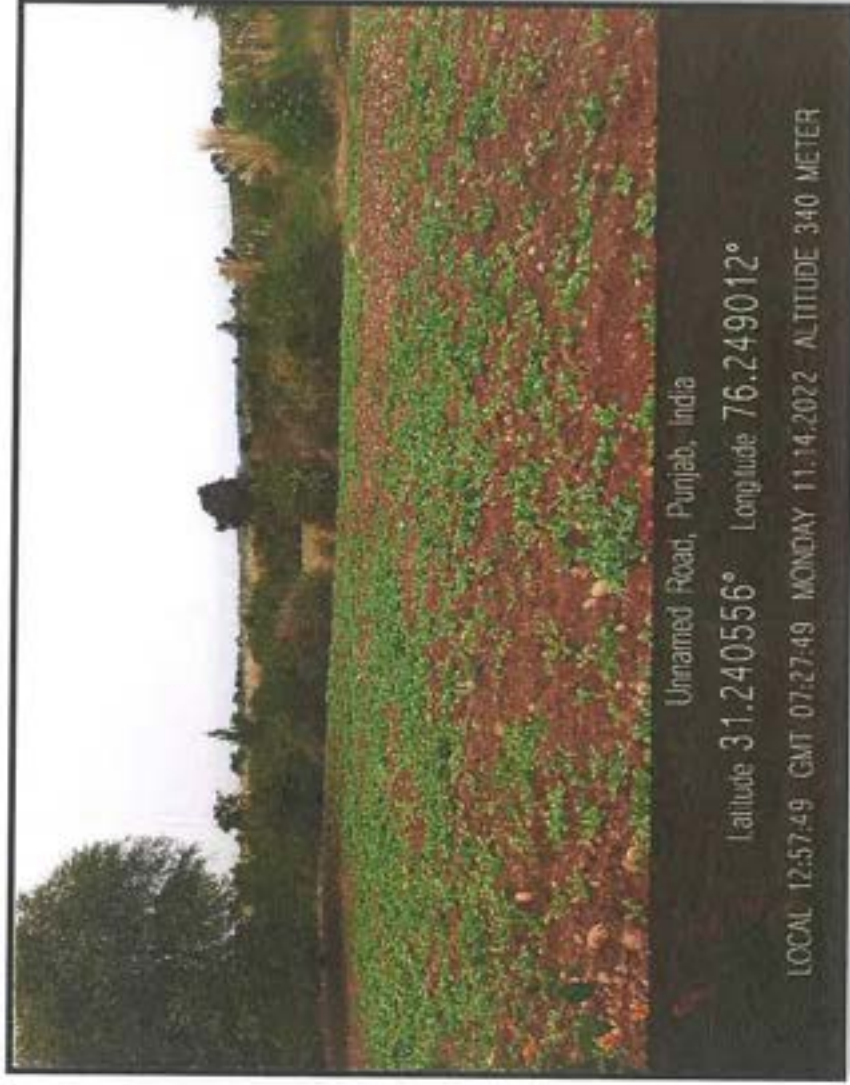
$95.48 * 10000 * 1.7 * 3 = 4869480 \text{ MT}$

Total Mineral to be mined (MT) Considering 60% = 2921688 MT



Chandpur Rurki Site 2

Depth	Litholog (upto 3m)
0 to 3m	Gravel



Calculation of total reserve:

Area(Ha.)*10000*Bulk Density*Depth

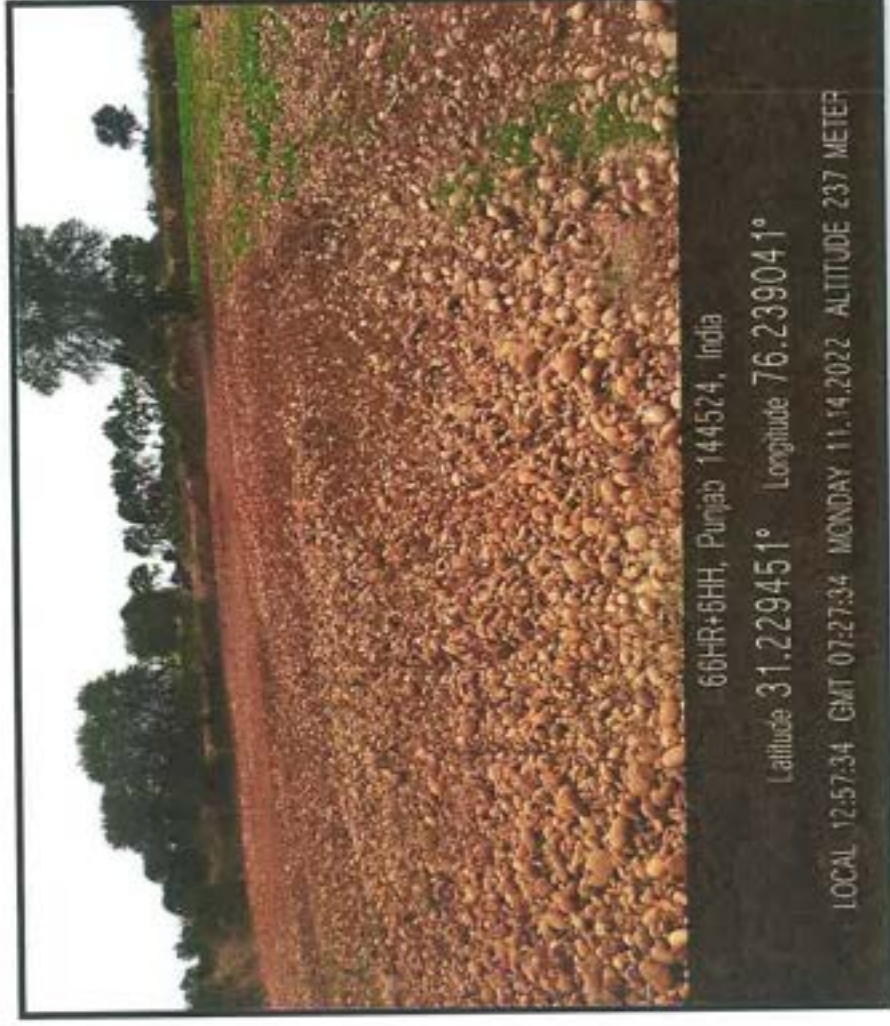
0.40*10000*1.7*3= 20400 MT

Total Mineral to be mined (MT) Considering 60%= 12240 MT



Chandpur Rurki Site 3

Depth	Litholog (upto 3m)
0 to 3m	Gravel



66HR+5HH, Punjab 144524, India

Latitude 31.229451° Longitude 76.239041°

LOCAL 12:57:34 GMT 07:27:34 MONDAY 11.14.2022 ALTITUDE 237 METER

Calculation of total reserve:

Area(Ha.)*10000*Bulk Density*Depth

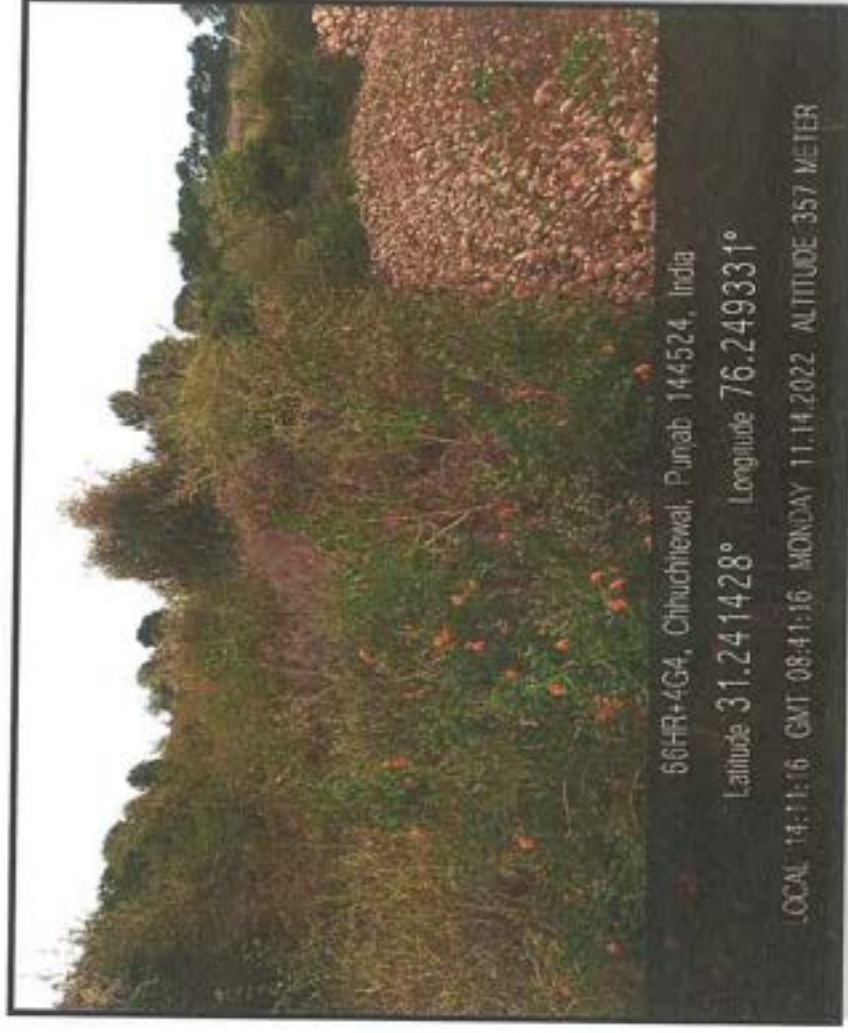
$5.4*10000*1.7*3= 275400$ MT

Total Mineral to be mined (MT) Considering 60%= 165240 MT



Chandpur Rurki Site 4

Depth	Litholog (upto 3m)
0 to 3m	Gravel



Calculation of total reserve:

Area(Ha.)*10000*Bulk Density*Depth

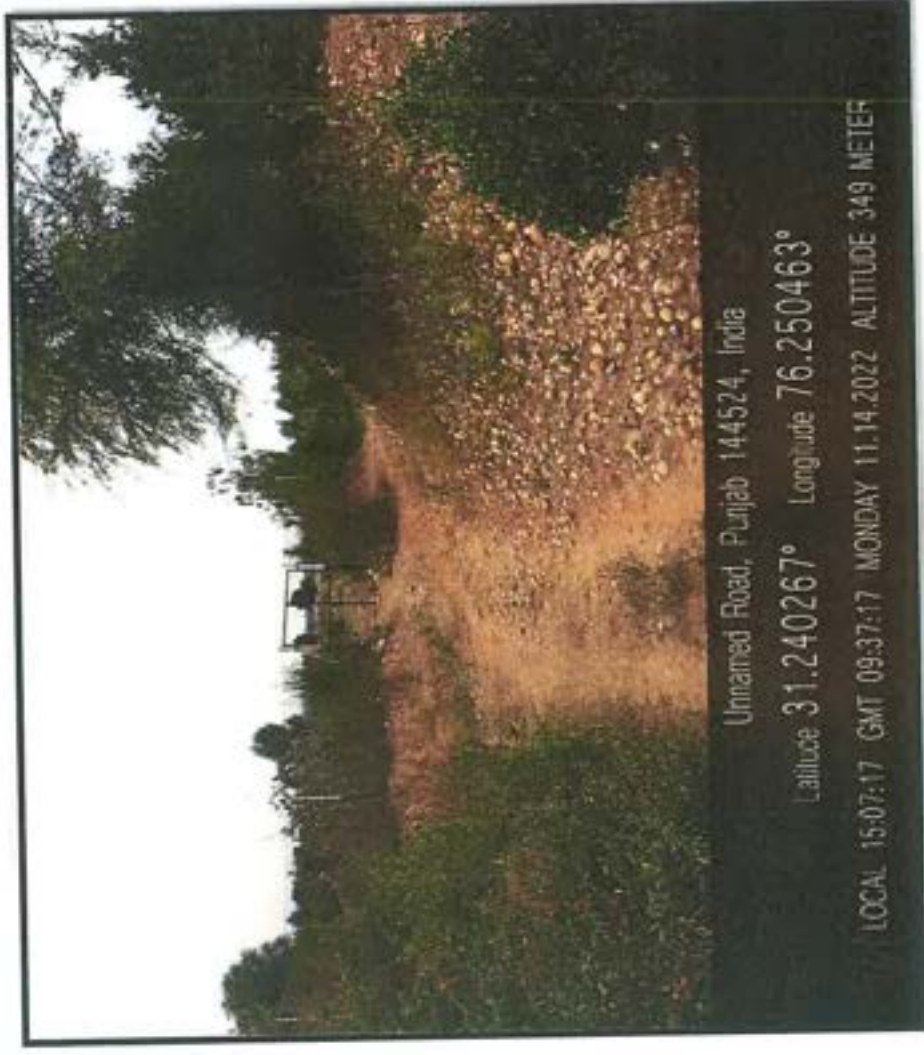
1.40*10000*1.7*3= 71400 MT

Total Mineral to be mined (MT) Considering 60%= 42840 MT



Chandpur Rurki Site 5

Depth	Litholog (upto 3m)
0 to 3m	Gravel



Calculation of total reserve:

Area(Ha.)*10000*Bulk Density*Depth

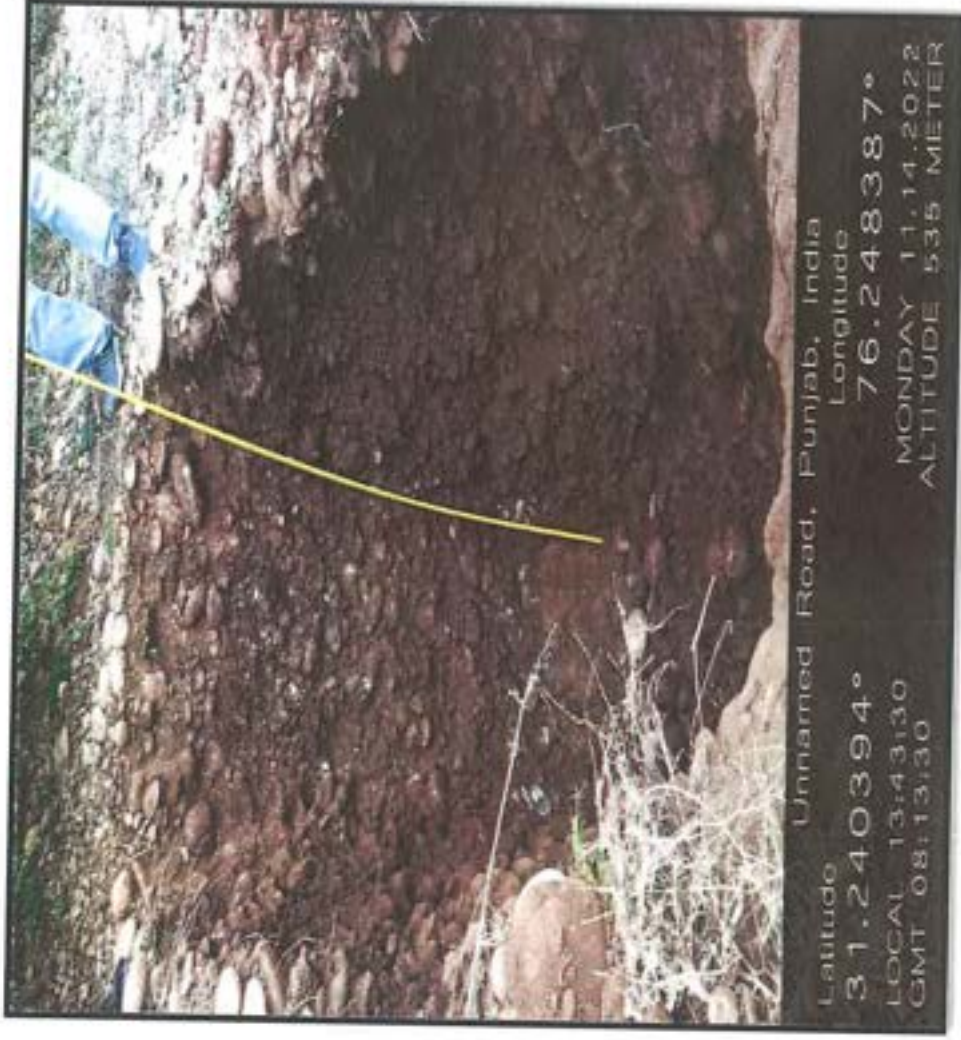
1.45*10000*1.7*3= 73950 MT

Total Mineral to be mined (MT) Considering 60%= 44370 MT



Chandpur Rurki Site 6

Depth	Litholog (upto 3m)
0 to 3m	Gravel



Calculation of total reserve:

Area(Ha.)*10000*Bulk Density*Depth

$3.15*10000*1.7*3= 160650$ MT

Total Mineral to be mined (MT) Considering 60%= 96390 MT



Majra Jatta Site

Depth	Litholog (upto 3m)
0 to 0.45m	Soil
0.45 to 3	Sand



Calculation of total reserve:

Area(Ha.)*10000*Bulk Density*Depth

$0.30*10000*1.54*3= 13860$ MT

Total Mineral to be mined (MT) Considering 60%= 8316 MT



Annexure I
(Wildlife/DFO Certificate)

OFFICE OF DIVISIONAL FOREST OFFICER,
DEPARTMENT OF FORESTS AND WILDLIFE PRESERVATION PUNJAB,
NAWANSHEHAR AT GARHSHANKAR

CERTIFICATE

TO WHOM IT MAY CONCERN

It is certified that the land proposed for potential sand mining sites in village Araji Dariya Brahmad Rail, Araji Dariya Brahmad Bela Tajowal, Araji Dariya Brahmad Pragpur, Aullapur, Rail, Chandpur Rurki, Sarangpur Panj Pada, Majra Jattan, Dugarl, Khoja Bet, Banga Bet, Mubarakpur, Nanowal Bet, Dobhall Tehsil Balachaur district SBS Nagar is not included in areas :-

1. Notified under section 4 and 5 of PLPA Act 1900.
2. Forest land as per revenue record.

The area of village Chandpur Rurki and Majra Jattan have been delisted by the Government of India from Section 4 of PLPA 1900, with below conditions.

- I. The State government shall ensure that no commercial activity is permitted on such delisted land.
- II. The delisted land shall be used only for bona fide agricultural and for sustaining the livelihood of the people / owner of the land.
- III. If in advertently, any notified or otherwise forest areas area found to have been included in the present list of areas being considered for delisting such areas shall not be deemed to have been de-list from the list of forest areas of the State.



DIVISIONAL FOREST OFFICER,
(DEPARTMENT OF FORESTS AND WILDLIFE
PRESERVATION PUNJAB)

NAWANSHEHAR AT GARHSHANKAR. 16/12/22



CERTIFICATE

TO WHOM IT MAY CONCERN

It is certified that the land proposed for potential sand mining sites in village Behloor khurd, Burj tehal das, Khoja, Lalawal, Kanon, Saidpur khurd, Phool makodi, Mandhala, Chak alah baksh Tehsil Nawanshahr district SBS Nagar is not included in areas

- I. Falling in the Eco-sensitive Zones of Wildlife Sanctuary & Conservation Reserves cover under Wildlife Protection Act 1972 and Punjab Wildlife Preservation Act 1959.
- II Falling in any Sanctuary and Conservation Reserve.



Divisional Forest Officer,
Wild Life Division,
Hoshiarpur.


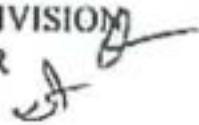


Certificate

TO WHOM IT MAY CONCERNS

It is certified that the land proposed for potential sand mining sites in village Araji Dariya Brahmada Rail, Araji Dariya Brahmada Bela Tajawal, Araji Dariya Brahmada Pragpur, Auliapur, Rail, Chandpur Rurki, Sarangpur Panj Peda, Majra Jattan, Dugari, Khoja Bet, Banga Bet, Mubarakpur, Nanowal Bet, Dobhali Tehsil Balachaur district SBS Nagar is not included in areas :-

- I. Falling in the Eco-sensitive Zones of Wildlife Sanctuary & Conservation Reserves cover under Wildlife Protection Act 1972 and Punjab Wildlife Preservation Act 1959.
- II. Falling in any Sanctuary and Conservation Reserve.


DIVISIONAL FOREST OFFICER
WILD LIFE DIVISION
HOSHIARPUR




Annexure J
(Public Consultation)

PUBLIC CONSULTATION

PUBLIC CONSULTATION: To incorporate changes and suggestions of general public for the proposed area for mining the public consultation is necessary. When the DSR with mining lease area details is put in public domain on district portals the suggestions and comments from different stakeholders are incorporated in final DSR.

PROCEDURE FOR PUBLIC CONSULTATION:

Preliminary Draft DSR consisting of list of potential mining zones was uploaded Public domain on dated of Public domain 22/12/2022 dated on website <https://nawanshahr.nic.in/>.

Seeking comments /observation /suggestion from general public /various stakeholder. Press releases for same was given in newspaper dated 24-12-2022.

The final list of sand mining areas [leases to be granted on riverbed & Patta land/Khatedari land, desiltation location (ponds/lakes/dams), M-Sand Plants (alternate source of sand)] after the public hearing needs to be defined in the final DSR in the format as per Annexure-V. The details regarding cluster and contiguous cluster needs to be provided in Annexure-VI. The details of the transportation need to be provided in Annexure-VII.

Note: There are no any comments received from public /various stakeholder on Public domain till date regarding the DSR uploaded on public portal.



ਪੰਚਾਇਤ ਖਨੌਰੀ ਦੀ ਨਵੇਂ ਸਿਰ ਤੋਂ ਵਾਰਡਬੰਦੀ ਸਬੰਧੀ ਵਾਰਡਾਂ ਦੀਆਂ ਹੱਦਾਂ ਦਾ ਵਰਨਣ ਦੱਸਦੀ ਸੂਚੀ ਦੀ ਡਰਾਫਟ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰ. 5/26/2022/ਮਚਦ/ਹਸ/3210 ਮਿਤੀ 23.12.2022 ਜਾਰੀ ਕੀਤੀ ਗਈ ਹੈ ਅਤੇ ਇਸ ਡਰਾਫਟ ਨੋਟੀਫਿਕੇਸ਼ਨ ਦੀ ਕਾਪੀ ਸਮੇਤ ਵਾਰਡਬੰਦੀ ਦਾ ਨਕਸ਼ਾ ਦਫਤਰ ਨਗਰ ਕੌਂਸਲ/ਨਗਰ ਪੰਚਾਇਤ ਖਨੌਰੀ ਵਿਖੇ ਇਤਰਾਜ਼ਾ/ਸੁਝਾਵਾਂ ਲਈ ਉਪਲਬਧ ਹੈ। ਜੇਕਰ ਕੋਈ ਇਸ 'ਤੇ ਆਪਣਾ ਇਤਰਾਜ਼/ਸੁਝਾਅ ਦੇਣਾ ਚਾਹੁੰਦਾ ਹੈ ਜਾਂ ਨਕਸ਼ਾ ਵੇਖਣਾ ਚਾਹੁੰਦਾ ਹੈ ਤਾਂ ਉਹ ਕਿਸੇ ਵੀ ਕੰਮ ਵਾਲੇ ਦਿਨ ਸਵੇਰੇ 9.00 ਵਜੇ ਤੋਂ ਸ਼ਾਮ 05.00 ਵਜੇ ਤਕ ਕਿਸੇ ਵੀ ਸਮੇਂ ਆ ਕੇ ਦੇਖ ਸਕਦਾ ਅਤੇ ਲਿਖਤੀ ਰੂਪ ਵਿਚ ਆਪਣਾ ਇਤਰਾਜ਼/ਸੁਝਾਅ ਇਸ ਨੋਟਿਸ ਦੇ ਡਪਟ ਦੇ 7 ਦਿਨਾਂ ਦੇ ਅੰਦਰ-ਅੰਦਰ ਦਫਤਰ ਨਗਰ ਕੌਂਸਲ/ਨਗਰ ਪੰਚਾਇਤ ਖਨੌਰੀ ਵਿਖੇ ਨਿਮਨ ਹਸਤਾਖਰ ਨੂੰ ਦੇ ਸਕਦਾ ਹੈ। ਨਿਰਧਾਰਤ ਸਮੇਂ ਤੋਂ ਬਾਅਦ ਪ੍ਰਾਪਤ ਹੋਏ ਇਤਰਾਜ਼ਾ/ਸੁਝਾਵਾਂ 'ਤੇ ਵਿਚਾਰ ਨਹੀਂ ਕੀਤਾ ਜਾਵੇਗਾ।

DPR/NA/12/13601/2022/19930 ਕਾਰਜ ਸਾਧਕ ਅਫਸਰ, ਨਗਰ ਪੰਚਾਇਤ ਖਨੌਰੀ


ਜਨਤਕ ਨੋਟਿਸ

ਵਾਰਡਬੰਦੀ, ਜੰਗਲਾਤ ਅਤੇ ਜਲਵਾਯੂ ਪਰਿਵਰਤਣ ਮੰਤਰਾਲਾ, ਚਾਰਤ ਸਰਕਾਰ ਵਲੋਂ ਜਾਰੀ ਗਾਈਡਲਾਈਨਸ ਅਨੁਸਾਰ ਜ਼ਿਲਾ ਬਗੀਚੇ ਭਗਤ ਸਿੰਘ ਨਗਰ ਦੀ ਪੋਸਟ ਮਾਨਸੂਨ ਸਰਵੇ ਦੀ KML ਫਾਈਲ (ਗੂਗਲ ਅਰਥ ਵਿਚ ਖੋਲ੍ਹੀ ਜਾ ਸਕਦੀ ਹੈ) ਅਤੇ ਸਬ ਡਵੀਜ਼ਨਲ ਕਮੇਟੀ ਦੀਆਂ ਪ੍ਰੀ-ਡਿਸਕਸ ਤਿਆਰ ਕਰਕੇ ਜਿਲੇ ਦੀ ਵੈੱਬਸਾਈਟ www.nawan-shahr.nic.in 'ਤੇ ਅਪਲੋਡ ਕਰ ਦਿੱਤੀ ਗਈ ਹੈ। ਇਸ ਸਬੰਧੀ ਕੋਈ ਸੁਝਾਅ ਜਾਂ ਇਤਰਾਜ਼ ਦਰਜ ਕਰਵਾਉਣ ਲਈ ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ/ਐੱਸ.ਬੀ.ਐੱਸ. ਨਗਰ, ਡਰੇਨੇਜ-ਕਮ-ਮਾਈਨਿੰਗ ਐਂਡ ਸਿਅਲੇਂਸੀ, ਡਵੀਜ਼ਨ, ਡਬਲਯੂ. ਆਰ ਡੀ. ਪੰਜਾਬ ਬਗੀਚੇ ਭਗਤ ਸਿੰਘ ਨਗਰ ਦਫਤਰ ਕਮਰਾ ਨੰ. 25, ਦਫਤਰ ਉੱਪ ਮੰਡਲ ਸਿਜਿਸਟੇਟ ਨਵਾਂਬਹਿਰ, ਜ਼ਿਲਾ ਬਗੀਚੇ ਭਗਤ ਸਿੰਘ ਨਗਰ ਵਿਖੇ ਭੇਜਿਆ ਜਾ ਸਕਦਾ ਹੈ ਜਾਂ ਪਹੁੰਚ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ ਜਾਂ ਈ ਮੇਲ ਆਈ ਡੀ. ingsbsnagar@gmail.com 'ਤੇ ਸੁਝਾਅ/ਇਤਰਾਜ਼ ਭੇਜੇ ਜਾ ਸਕਦੇ ਹਨ।

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ/ਐੱਸ.ਬੀ.ਐੱਸ. ਨਗਰ,
ਡਰੇਨੇਜ-ਕਮ-ਮਾਈਨਿੰਗ ਐਂਡ ਸਿਜਿਸਟੇਟ,
ਡਵੀਜ਼ਨ, ਡਬਲਯੂ. ਆਰ ਡੀ. ਪੰਜਾਬ

DPR/NA/12/13562/2022/19886

ਪੰਜਾਬ ਸਰਕਾਰ

 ਗ੍ਰੇਟਰ ਮੋਹਾਲੀ ਏਰੀਆ ਡਿਵੈਲਪਮੈਂਟ ਅਥਾਰਟੀ
ਪੁਡਾ ਭਵਨ, ਸੈਕਟਰ-62, ਐੱਸ. ਏ. ਐੱਸ. ਨਗਰ

ਪਬਲਿਕ ਨੋਟਿਸ

ਗ੍ਰੇਟਰ ਮੋਹਾਲੀ ਏਰੀਆ ਡਿਵੈਲਪਮੈਂਟ ਅਥਾਰਟੀ ਵੱਲੋਂ ਵਿੱਤੀ ਸਾਲ 2022-23 ਲਈ ਗਮਾਡਾ ਦੇ ਅਧਿਕਾਰ ਖੇਤਰ ਅਧੀਨ ਵੱਖ-ਵੱਖ ਸੈਕਟਰਾਂ/ਸਕੀਮਾਂ 'ਚ ਪਲਾਟਾਂ/ਫਲੋਟਾਂ ਦੇ ਮੁਨਾਫੇ ਦੀ ਗਣਨਾ ਲਈ ਚਾਰਟਰਡ ਅਕਾਊਂਟੈਂਟ ਫਰਮਾਂ ਨੂੰ ਮੋਹਰੰਖਤ ਸੂਚੀਆਂ ਦਾ ਸੱਦਾ ਦਿੱਤਾ ਜਾਂਦਾ ਹੈ।



salary) on the feedback of few officials is not correct. Employees are protesting not for salary but for their safety and security. The BJP has always stood by the Kashmiri Pandits. I appeal to the government to provide normalcy in Kashmir and employees from minority community who are protesting in Jammu will

employees, both of whom have been protesting in Jammu for several months.

On a question by a KP protester whether it was possible to work in Kashmir in the present circumstances, Raina said, "It is not possible as the targeted killings have created a sense of fear (among the employees)". — OC

PUBLIC NOTICE

As per the guidelines issued by the ministry of Environment forest and climate change Government of India the KML file (open in Google earth) of the post monsoon survey of District SBS Nagar has been prepared and uploaded on District website www.nawanshahr.nic.in alongwith the proceedings of the sub divisional level committees. For any suggestion or objection in this regard the office of Executive Engineer/SBS Nagar Drainage-cum-Mining & Geology Division WRD Punjab, Room No. 25, Office of Sub Divisional Magistrate, Nawanshahr, District Shaheed Bhagat Singh Nagar can be reached within one month or mail can be sent to xenminingsbsnagar@gmail.com.

Sd/- Executive Engineer/SBS Nagar
Drainage-cum-Mining & Geology
Division WRD Punjab.

DPR/Pb/19886



GOVERNMENT OF PUNJAB GREATER MOHALI AREA DEVELOPMENT AUTHORITY

PUDA Bhawan, Sector 62, SAS Nagar

PUBLIC NOTICE

Greater Mohali Area Development Authority invites sealed bids from Chartered Accountant Firms for calculation of profitability of plots/flats in various



Annexure K
(Demand & Supply)



Demand and Supply Data SBS Nagar

District	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
SBS Nagar	740381	950905	1221289	1568556	2014567	2587398

(Source: Executive Engineers cum district Mining Officer, SBS Nagar)



Annexure L
(Executive Summary)

DISTRICT SURVEY REPORT OF SBS NAGAR DISTRICT, PUNJAB

Executive Summary

The purpose of District Survey Report (DSR) is to identify the mining potential areas where mining can be allowed; and to distinguish areas where mining will not be allowed due to proximity to infrastructural structures and installations, areas of erosion, areas of environmental sensitivities etc. The DSR would also help to estimate the annual rate of replenishment wherever applicable.

The district survey report of SBS Nagar district is prepared by **SUBDIVISIONAL LEVEL COMMITTEES OF SBS NAGAR DISTRICT** and assisted by **RIAN ENVIRO PRIVATE LIMITED**, Sheikhpura, Patna, Bihar.

Methodology for the preparation of DSR:

For the preparation of DSR, there are two types of data is being used – Field Data and Secondary data.

Secondary data was collected from the different district departments like District Administration, Forest department, Irrigation department, Revenue department, Mining department etc. All the data has been reviewed, selected, and collated to prepare an authentic and reliable District Survey Report. Besides this, procedure as defined in the MoEF & CC Notification dated 25.07.2018 and as per the model DSR has been followed for preparing the various chapters of this District Survey Report.

Field data was collected two times during pre-monsoon and post-monsoon for determining the replenishment rate and identification of minor mineral potential sites.

Chapters included in District Survey Report, SBS Nagar:

The district survey report of SBS Nagar district includes Introduction, Overview of Mining activities in the District, Process of Deposition of Sediments in the rivers of the District, General Profile of the district, Physiography of the District, Geology and Mineral Wealth, Estimation of deposits and Replenishment Studies, Transport, Remedial measure to mitigate the impact of mining etc. The main objective of DSR is to find minor mineral potential zones which helps in increasing district's revenue while taking into consideration the environmental sustainability of sites.

The DSR of SBS Nagar includes minor mineral riverbed potential zones in table no 7.7 & 7.8 (Page no. 57 & 58) and include a localized replenishment study which is discussed in chapter 7 (Page no. 43 to 58). The consolidated detail of riverbed/desilting/agriculture sites is attached at **Annexure - A**.

General Information of the district:

Nawanshahr district, located in the eastern part of the Punjab State, forms a part of the Bist-Doab region. Geographically, it lies between North latitudes of 30°48'45" and 31°16'15" and East longitudes of 75°46'00" and 76°26'30" covering a geographical ambience of 1190 sq.km. The district is bounded by Hoshiarpur district in the north, Siwalik Hills in the northeast, Sutlej River in the south, Kapurthala district in the northwest and Jalandhar in the west. Nawanshahr district was carved out of Hoshiarpur and Jalandhar districts of Punjab in November 7, 1995 on the auspicious occasion of birthday of Sh. Guru Nanak Dev Ji as the sixteenth district of Punjab State. The name of the district was changed to "Shahid Bhagat Singh Nagar", to conclude the Birth Centenary celebrations of the great martyr Sardar Bhagat Singh, on 27/09/2008.

The Deputy Commissioner has overall charge of the district, and is the hub of the district administration. For administrative purposes, the Deputy Commissioner, SBS Nagar, has to play triple role as Deputy Commissioner, as District Collector and as District Magistrate. In his/her multifarious

PREPARED BY: SUB-DIVISIONAL COMMITTEE OF SBS NAGAR DISTRICT
ASSISTED BY: RIAN ENVIRO PRIVATE LIMITED



DISTRICT SURVEY REPORT OF SBS NAGAR DISTRICT, PUNJAB

duties, the Deputy Commissioner is assisted by the following officers for carrying out day to day work in various fields: -

1. Additional Deputy Commissioner
2. Assistant Commissioner (General)
3. Assistant Commissioner (Grievances)
4. Executive Magistrate
5. District Revenue Officer
6. District Development and Panchayat Officer
7. Sub Divisional Magistrates
8. Civil Defense Officer
9. Urban Ceiling Officer

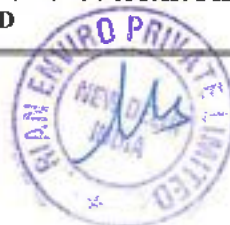
The Deputy Commissioner is the Chief Revenue Officer as District Collector and is responsible for collection of Revenue and other Govt. dues recoverable as arrears of Land Revenue. He/She deals with the Natural Calamities like draught, unseasonal rains, hailstorms, floods and fire etc.

Nawanshahr district is divided into 3 tehsils namely Nawanshahr, Balachaur and Banga comprising five-development block. There are 9 towns, 471 villages and 462 Panchayats. The Shahid Bhagat Singh Nagar district is one of the smaller districts of Punjab and is having an area of 1267 Sq. Km.

The following Sub-Division Level Committees have been constituted in district SBS Nagar for the preparation of DSR.

Nawanshahr Sub- Division	Balachaur Sub- Division	Banga Sub- Division
Sub- Division Magistrate Nawanshahr - Chairperson	Sub- Division Magistrate Balachaur - Chairperson	Sub- Division Magistrate Banga - Chairperson
Environment Engineer PPCB, Nawanshahr - Member	Environment Engineer PPCB, SBS Nagar - Member	Environment Engineer PPCB, SBS Nagar - Member
Executive Engineer, Irrigation, Bist. Doab Canal Division- Member	Executive Engineer, Irrigation, Bist. Doab Canal Division- Member	Executive Engineer, Irrigation, Bist. Doab Canal Division- Member
Executive Engineer, Building and Roads, Nawanshahr - Member	Executive Engineer, Building and Roads, Balachaur - Member	Executive Engineer, Building and Roads, Banga - Member
Executive Engineer, Phagwara Drainage Division, - Member	Executive Engineer, Phagwara Drainage Division & Hoshiarpur Drainage Division - Member	Executive Engineer, Phagwara Drainage Division - Member
Divisional Forest Officer, Nawanshahr - Member	Divisional Forest Officer, Balachaur - Member	Divisional Forest Officer, Banga - Member
Chief Agriculture Officer,	Chief Agriculture Officer, SBS	Chief Agriculture Officer, SBS

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Nawanshahr Sub- Division	Balachaur Sub- Division	Banga Sub- Division
Nawanshahr - Member	Nagar - Member	Nagar - Member
Block Development and Panchayat Officer, Nawanshahr, Aur - Member	Block Development and Panchayat Officer, Nawanshahr, Saroa - Member	Block Development and Panchayat Officer, Nawanshahr, Banga - Member
District Mining Officer, SBS Nagar - Member Secretary	District Mining Officer, SBS Nagar - Member Secretary	District Mining Officer, SBS Nagar - Member Secretary

Methodology used to identify potential riverbed:

- With the help of recent satellite imagery (United State Geographical Survey, Landsat 8-9- 2 Satellite Image, Resolution – 30 m, Date – Oct 2022), river stretch and potential sand zones for the district were identified.
- Field survey along with DGPS was conducted to identify the riverbed potential zone coordinate and depth of deposition during pre- and post-monsoon.
- After that the concerned sub-divisional committee visit was conducted for finalizing the deposition zones/pockets.
- With the comments/remarks, all the finalized zones/pockets/blocks were included in DSR and put on Public Domain for the period of one month on dated 22/12/2022.
- There are no any comments received from public /various stakeholder on Public domain till date regarding the DSR uploaded on public portal.

Potential riverbed and agriculture mining site for the district:

Altogether **71** riverbed mining sites are finalized for the district SBS Nagar and these 71 riverbed sites cover **308.38 Ha**. The total minable mineral quantity for the district is approximately **10865146.52 MT** & Considering 60% as per EMGSM, 2020 is approximately **6519087.912 MT**.

There are all together **07** patta land or agricultural sand mining sites in and around the SBS Nagar district, covering an area of **107.58 Ha** with approximately minable quantity **54,85,140 MT** & Considering 60% as per EMGSM, 2020 is approximately **32,91,084 MT**.

Methodology adopted to calculate Replenishment Rate for the District, SBS Nagar:

The replenishment rate is the frequency at which river sand is introduced into a river channel that is being studied or having sand extracted from it. This volume is frequently considered as the river's sustainable production. One of the most challenging tasks in sediment budgeting is the estimation of river sand flow via stream bed and its residence period (temporary deposition), as this needs advanced equipment and the deployment of numerous gauging stations. It is obvious that during high flow

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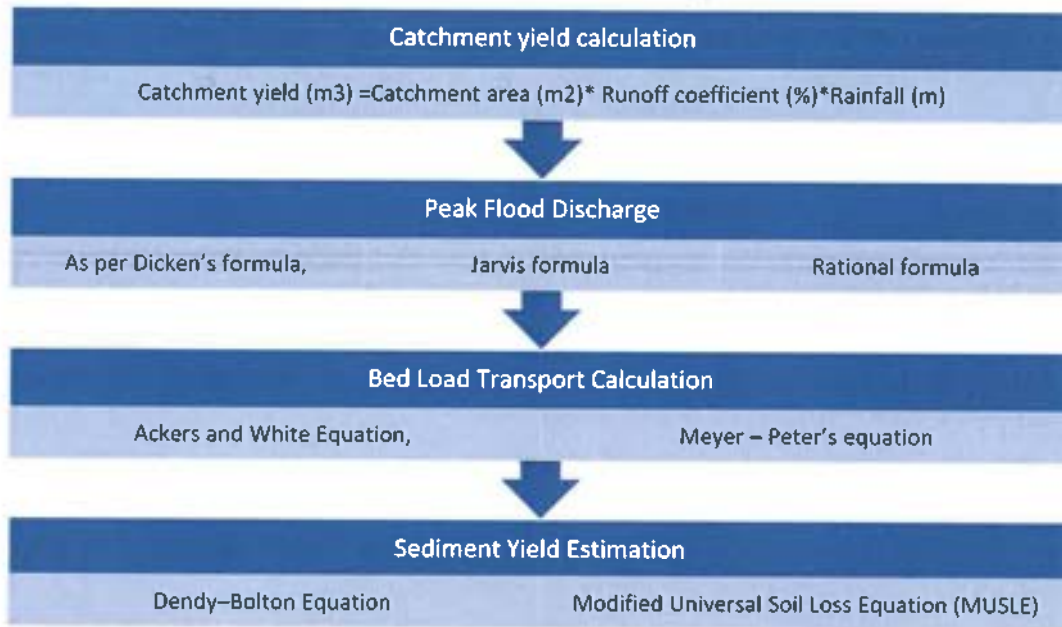


DISTRICT SURVEY REPORT OF SBS NAGAR DISTRICT, PUNJAB

periods, river sand that is typically carried via siltation (i.e., partially suspended and partially bed load) will be entirely in suspension in the overlying waters.

The replenishment estimation based on a theoretical empirical formula with the estimation of bed-load transport comprising of analytical models to calculate the replenishment estimation. Replenishment study based on satellite imagery involves demarcation of sand bars potential for riverbed mining. Both pre and post monsoon images need to be analyzed to established potential sand bars.

The process of calculation of replenishment rate along with deposition is calculated based on below mentioned attributes:



The district SBS Nagar has mainly one rivers i.e. Sutlej and the calculation of annual mineable mineral potential is shown below:

- a. Sediment load comparison between Pre and Post Monsoon period for rivers of SBS Nagar district

River Name	Pre-Monsoon no of ghats	Post-Monsoon no of ghats	Pre-Monsoon Sediment Load (Mcum)	Post Monsoon Sediment Load (Mcum)	Variance (Mcum)
Sutlej	69	74	8.76	10.30	1.54

- b. Replenishment rate estimation as per field survey

River Name	Location	Area	Surface RL	Thickne ss	Volume	After mining floor RL	Surfac e RL	Thickn ess	Volume	Differen ce in RL
		m2	m	m	cum	m	m	m	cum	m
Sutlej	Arzi Derya	49000	259.00	2.80	137200.00	256.20	258.50	2.30	112504.00	0.50

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c. Replenishment rate estimation as per empirical formula

Location	River Name	Lease Area	Surface RL Before mining	Mine out Thickness	Mine out Volume	Annual Rainfall-2020	Estimated Replenished Volume as per Dandy-Bolton
		m ²	m	m	cum	m	cum
Arzi Derya	Sutlej	49000	259.00	2.80	137200.00	3.20	96040.00

d. Total mineable mineral potential

Sl. No.	River or Stream	Potential area (sq.m)	Potential area(Ha.)	Mining Average Thickness	Volume in Mcum	60% of Volume in Mcum	Bulk Density Kg/l	Mineable Mineral Potential (MT)
1	Sutlej	3118600	311.86	2.30	7.17	4.30	1.56	6.71

Note: The potential area has been mentioned for every potential site in Ha in plate 1 (pages 68-78). The average mining thickness is mean of data of thickness as mentioned in table 7.2.

All the above-mentioned hypothetical formulas have some limitations. Dandy - Bolton may provide a quick, rough approximation of mean sediment yields on a regional basis for preliminary watershed planning but it does not differentiate in basin wide smaller streams and their characteristics. MUSLE includes only one type of sediment yield (sheet and rill Erosion).

It is observed that the replenishment or sediment deposition study can be done with theoretical and analytical models of bed load transport. However, these models present a more of a generic picture, while actual replenishment is characteristic for each river uniquely. Thus, direct field study is required to get a clear picture about actual replenishment in the river. For this replenishment and sediment yields will be studied for the coming years preferably both pre and post monsoon periods i.e. during months of May-June and October-November. Data derived from this study will be analyzed and regression or correlation will be developed with theoretical models so that a 'river specific' relation can be established using both analytical approach and actual field data.

This will ensure that the effect of influencing variables like climate, drainage pattern, soil geology, topography, vegetation, land use, geographic location etc. are well accounted for.

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ANNEXURE -- A

Source	No. of sites	Area (Ha)	Total excavation in Tonnes	Total excavation in Tonnes (Considering 60% as per EMGSM, 2020)
River bed (Proposed)	71	308.38	10865146.52	6519087.912
River bed (Existing)	3	27.82	2,37,236	--
Agriculture land, patta etc.(Proposed)	07	107.58	54,85,140	32,91,084
Agriculture land, patta etc. (Existing)	NA	NA	NA	NA
Desilting sites (ponds, lakes, dams etc.) (Proposed)	NA	NA	NA	NA
Desilting sites (ponds, lakes, dams etc.) Existing Site	5	72.5	--	--
M-sand (Proposed)	NA	NA	NA	NA
M-sand (Existing)	NA	NA	NA	NA
Total (Proposed Riverbed & Agriculture Site)	78	415.96	1,63,50,286.52	98,10,171.912
Clusters(Proposed, Riverbed)	8	288.58	9966928.76	5980157.256
Clusters(Proposed, Agriculture Site)	1	107.28	54,71,280	32,82,768



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The levels given in the cross-section and L-section in the DSR (District Survey Report) as observed in the field has been checked and found matching with office record.

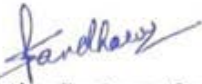


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Executive Engineer-cum-
District Mining Officer
Shahad Bhagat Singh Nagar

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SBS Nagar

None of the proposed mining sites are in-stream and in future if any such sandbar happens to be in-stream, then mining will not be done there in that case.


Executive Engineer Cum
District Mining Officer,
SBS Nagar 


Office of Executive Engineer Cum District Mining Officer

SBS Nagar

The mining sites are proposed in accordance with the Sub Divisional Level Committee Reports. The forest areas will be excluded from the sites after the proper demarcation of the sites and forest area is done, at the time of preparing the mining plan. The mining plan of the site will only be submitted after deducting the forest areas.



Executive Engineer Cum
District Mining Officer,
SBS Nagar

