

Environment and Social Screening Report

September: 2020

Project ID: P154990

**Construction of Storm Water Drainage network in Nowgam Bonpora
and Padshahi Bagh areas of Srinagar District (Kashmir)**

(Jhelum & Tawi Flood Recovery Project)

Prepared by PIU (JK ERA): Government of Jammu & Kashmir, for the World Bank

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1 EXECUTIVE SUMMARY

Catastrophic deluge of September 2014 shows a negative impact on economic aspects of the State and massive infrastructure damages in which capital city Srinagar was most affected and a trail of siltation in most of the water bodies as environmental degradation which is always synonymous with major floods. In connection to catastrophic flood, a mission of the World Bank visited the State during February 1-6, 2015 on request of Government of India to review and assess the damages in order to produce a rapid multi-sectoral assessment report of the damages and needs. The RDNA estimates the total damages and losses caused by floods at about INR 211,975 million (US\$ 3,550.45), most of it to housing, livelihoods, and roads and bridges, which combined represented more than 70% of the damages in terms of value.

One of the sub-projects under component 3 is “Construction of Storm Water Drainage network in Nowgam Bonpora and Padshahi Bagh areas of Srinagar district”. During September 2014 floods, Nowgam and Padshahi Bagh areas were inundated for number of days and was further aggravated as no drainage/ dewatering stations exists in the area. No drainage system exists in the Nowgam and Padshahi bagh areas resulting into frequent waterlogging/ submergence of the area.

The proposed subproject has a total length of 12 km of SWD drainage network within the existing available RoW. This network will be laid in the inner land and by lanes of colonies. The proposed sub-project requires a total of 995.00 m² i.e. 475.00 m² of land for construction of one Intermediate Pumping Station (IPS) at Nowgam, Bonpora and 520.00 m² for the construction of one Major pumping Station (MPS) at Padshahi Bagh as per design criteria. The land as per revenue records falls under the category of Shamilat Deh land (Appendix-8). The proposed sites for construction of two dewatering stations do not have any type of structure over it and as such there is no acquisition of structures or other assets involved. Since the land is Shamilat Deh¹, NOC/Resolution from local community/Sarpanch is required and the same has been obtained and annexed as Appendix 5. During consultation/Resolution, it is confirmed by the Sarpanch that they are aware that land identified for two dewatering stations is Shamilat Deh land and no one will lose their livelihood because of construction of dewatering pumping stations. Although, revenue record says that land parcels are under illegal occupation but physically, they are occupied by none and land parcels are open/vacant. In the resolution they also confirmed that land identified for dewatering stations is free from any encumbrance.

Sub-projects under “Jhelum and Tawi Flood Recovery Project” have a prior requirement of screening which is based on three categories; viz., nature of the project, size of the project

¹ Common/Village Land.

and location of the project that is sensitive area criteria. The objective of Environment and social screening is to identify the potentially significant environmental/ social issues of the sub-project at an early stage for detailed Environmental and Social impacts.

One of the requirements of the study is the dissemination of project information by way of “Consultation with stakeholders and general public”, which was conducted successfully with local residents/ stakeholders in Nowgam Bonpora and Padshahibagh areas and near proposed sites of pumping station on 3rd February, 2019, 6th May 2019 and thereafter on 15-16, September 2020 (Appendix 3-4 & 6). During the consultation process of the proposed sub-project, people told the stories of their sufferings because of absence of drainage system. They have expressed keen interest in the proposed sub-project since no drainage system exists and people are facing health risks and unhygienic environmental conditions. People, in general, were very enthusiastic about the benefits of the subproject.

The screening study reveals that there are no likely significant social and environmental impacts of the proposed subproject as the sub-project require only 995 sqm of land. The identified land falls under khasra number 736 and 954 and is ‘Shamilat Deh’ (Village/Common land) land. Therefore, SIA/EIA study need not be undertaken. The outcome of the screening study (refer to appendix-1 “Environmental and Social Screening sheets) discloses that the proposed subproject require “Environmental Assessment” as per WB guidelines.

1. INTRODUCTION

1.1 Project Background

In September 2014, Jammu & Kashmir experienced torrential monsoon rains in the region causing major flooding and landslides. The continuous spell of rains from September 2-6, 2014, caused Jhelum and Chenab Rivers as well as many other streams/tributaries to flow above the danger mark. The Jhelum River also breached its banks flooding many low-lying areas in Kashmir, including the capital. In many districts, the rainfall exceeded the normal by over 600%. The Indian Meteorological Department (IMD) records precipitation above 244.4 mm as extremely heavy rainfall, and J&K received 558mm of rain in the June- September period, as against the normal 477.4 mm. For example, the district of Qazigund recorded over 550 mm of rainfall in 6 days as against a historic normal of 6.2 mm over the same period.

Due to the unprecedented heavy rainfall, the catchment areas particularly the low lying areas were flooded for more than two weeks. Some areas in urban Srinagar stayed flooded for 28 days. Water levels were as high as 27 feet in many parts of Srinagar. The areas from the main tributaries of river Jhelum vis-à-vis Brengi Nallah, Vishav Nallah, Lider Nallah and Sandran Nallah started overflowing due to the heavy rainfall causing water levels in Jhelum River to rise.

Based on the Rapid Damage Needs Assessment (RDNA) results, restoration works underway, and discussions with the GoJ&K, the project will focus on restoring critical infrastructure using international best practice on resilient infrastructure. Given the state's vulnerability to both floods and earthquakes, the infrastructure will be designed with upgraded resilient features and will include contingency planning for future disaster events. Therefore, the project aims at both restoring essential services disrupted by the floods and improving the design standard and practices in the state to increase resilience.

1.2 Project Development Objective

The Project Development Objective (PDO) is to support the recovery and increase disaster resilience in targeted areas of the State, and increase the capacity of the State entities to respond promptly and effectively to an eligible crisis or emergency.

The project is comprised of the following seven components:

1. Reconstruction and strengthening of critical infrastructure
2. Reconstruction of roads and bridges
3. Restoration of urban flood management infrastructure
4. Strengthening and restoration of livelihoods

5. Strengthening disaster risk management capacity
6. Contingent Emergency Response
7. Implementation Support

1.3 Subproject Background

The objective of this component “Restoration of urban flood management infrastructure” of the Jhelum and Tawi Flood Recovery Project is to strengthen and reinforce existing weak and vulnerable flood control infrastructure. Investments will primarily include rehabilitation/renovation of around 56 storm water pumping stations in Srinagar city, and replacement of the power equipment, switch/ panel boards at elevated places, and related investments for improvement and increased resilience.

Under component 03 one of the subproject identified is the “Construction of Storm Water Drainage Scheme in Nowgam Bonpora and Padshahi bagh areas in Srinagar City”. The subproject area is a built-up area of Srinagar city. The area is close to Srinagar Railway station and on the right side of the area is the river Jhelum and it's Flood Spill Channel. The area is on the left bank of River Jhelum and usually remains inundated during episodes of high floods. Being a very low lying area & surrounded by embankment of River Jhelum, the area looks like a deep bowl where accumulated water flows have no disposal. The water table in most parts of the area is over the Natural Ground Level or just flowing with the NGL. The wastewater is seen flowing on the damaged roads and dozing out of the compound walls, residential houses (refer Appendix-2 for photos). Risk of health issues/ epidemic like diarrhea, cholera, and other water-borne diseases cannot be ruled out and other health issues like breeding grounds for mosquitoes and foul smell emanating from the stagnated water. There is every possibility of epidemic & waterborne disease as potable/ drinking water lines are running below with the NGL and contaminated stagnant water.

During the flood of September 2014, this area was one of the most affected areas of Srinagar with a water column of 20-25 feet. The water from the area during the flood was dewatered by cutting Jhelum bunds as the area does not have any drainage facility or any dewatering stations.

This area lacks important drainage system resulting in frequent waterlogging/ submergence of the area especially Nowgam- Bonpora areas and Padshahi Bagh locality and other adjoining colonies of the area (refer Appendix-2 site photographs). In 2014 floods, the HFL of this area got raised by at least 1.5 m to 2.0 m of Bonpora-Padshahi Bagh area.

Bonpora-Padshahi Bagh area of Srinagar City does not have a proper drainage system and is facing surface overflow problem, causing urban flooding/water stagnation in the area, creating nuisance and unhygienic condition for the public. Health risk of epidemic is very high as the water table remains high throughout the year and usually remains waterlogged. Construction of good drainage network in the area is essentially required as finds its way to

existing compounds/houses of dwellers and people remains in threat of survival all the time. The inhabitants of the area are demanding construction of a foolproof drainage system since very long and continuously visiting officials, bureaucrats, politicians and public representatives for redressal of their long-pending demand. Due to meagre allocation with the state govt. the drainage scheme was not taken in hand to date, however due to importance of this area, Government of J&K decided to improve the drainage system under JTFRP funded by World Bank so that good environmental and hygienic conditions may be obtained.

1.4 Sub-project Description

The Srinagar city lies 34° 0' - 34° 14' N (Latitude) and 74° 43' - 74° 52' E (Longitude) with an altitude of 1585 m (5200 ft) above mean sea level (MSL). The city has a unique physiographic setup with steep hills in the East and North East, low lying paddy fields falling in the flood plain of Jhelum in the South and West, the Karewas of Budgam in the extreme South and towards the North, we encounter the uplands with moderate slopes. The famous Dal lake is situated in the heart of the city. The city of Srinagar experiences a temperate type of climate. The city receives most of the precipitation in winter season in the form of snow and rain with an annual average rainfall of >710mm.

The proposed subproject "Construction of Storm Water Drainage Scheme" is situated in Nowgam Bonpora-Padshahibagh Area of Srinagar City" having a geo-coordinates of 34° 02' 11" N (Lat) 74° 49' 25" E (Long) at Nowgam 2IPS and 34° 03' 13" N (Lat) 74° 49' 46" E (Long) at Padshahi Bagh 3MPS. It is about 2km from the Srinagar Railway Station and 8 km from Srinagar International Airport. The subproject area is a built-up area and is very important interconnecting link road from bypass Nowgam via Padshahibagh and connects Lasjan, Jawahar Nagar, Rajbagh, Rambagh, Lal Chowk and rest of Srinagar. The final disposal point (outfall channel) is at Padshahibagh pumping station with already existing outfall channel into Padshahibagh nallah (at geo-coordinates of 34° 02' 14.5" N Lat 74° 49' 48.5" E Long). This small Padshahibagh nallah originates from the floodplains of Summerbugh Lasjan near River Jhelum and has an approx. length of 6 km.

The area lacks an important drainage system resulting in frequent waterlogging/submergence of the area (Appendix-2 site photographs). In 2014 floods, the HFL of this area got raised by at least 1.5 m to 2.0 m of Bonpura-Padshahi Bagh area.

The main road and especially link roads in Bonpora, Advent Colony etc. are in highly dilapidated condition due to the lack of essential drainage system in the area. As such locals are facing lot of inconvenience every day same has been captured in photographs during screening survey. During the floods of September 2014, the whole area was submerged with a water column of >20 feet which made the life of inhabitants miserable (Appendix:2). Even

² Intermediate Pumping Station,

³ Major Pumping Station

short spell of rain causes excessive surface runoff and resulting in greater inconvenience in all walks of life, like school students, locals, etc.

The proposed Storm Water Drainage subproject has a total length of 12 km of SWD drainage network with 2 pumping stations (Fig 1-3 Index map/ IPS/MPS). The proposed dewatering stations of sub-project will be constructed on land measuring 995.00 m² one Intermediate Pumping station (IPS) and one Major Pumping Station (MPS). The land required for two pumping stations as per revenue records falls under the category of Shamilat Deh Land. However, there is no impact on livelihood as the drainage work will be carried out within the available RoW. The drainage work is carried out on daily basis by way of laying of concrete pipes and the filling to make the surface restoration is done for the entire stretch simultaneously. The sites for two pumping stations are open land and free from any encroachment and structure.

Figure 1-1: Index Map of the Proposed Storm Water Drainage Scheme in Nowgam Bonpora Padshahi Ba

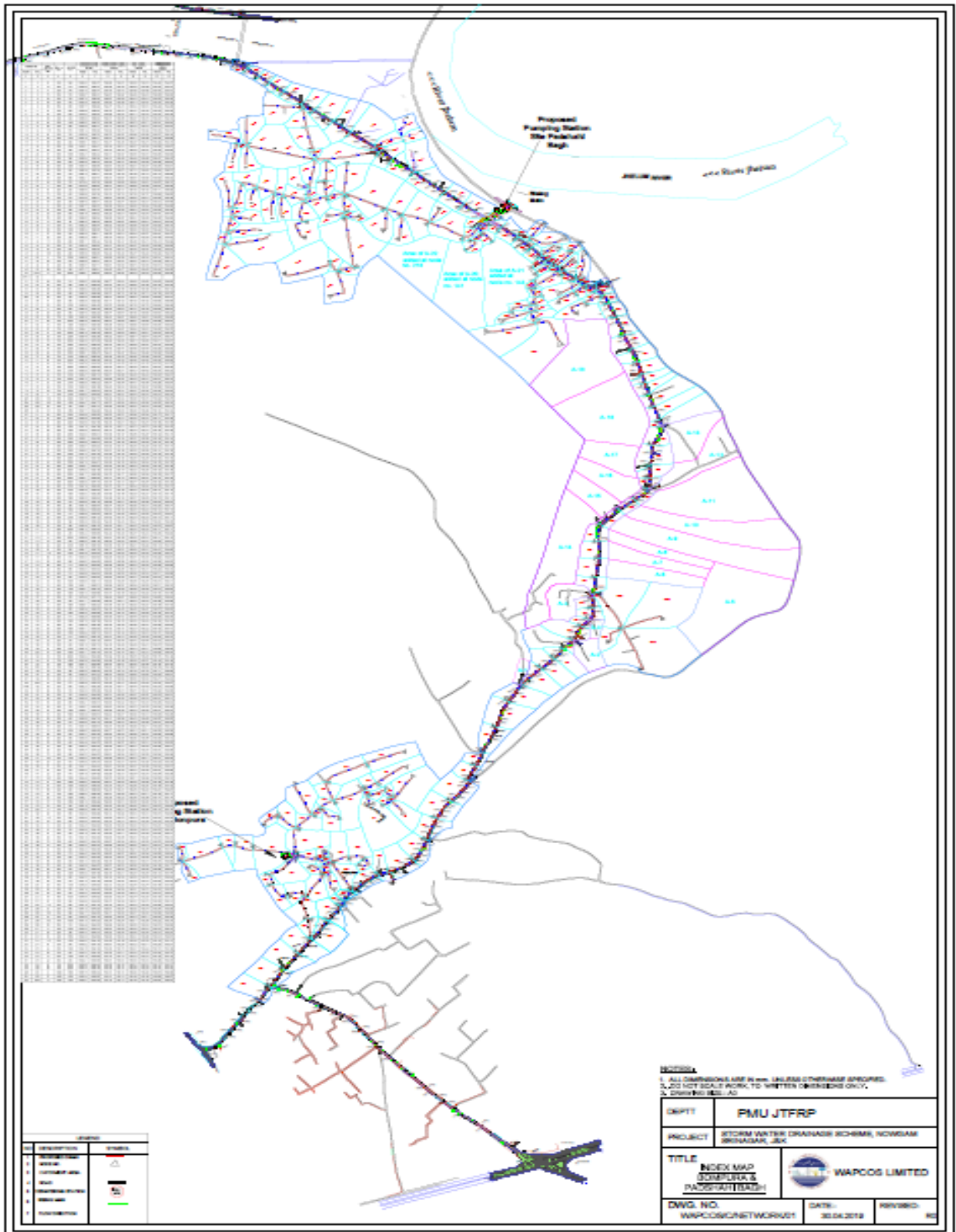


Figure 1-2: Layout Plan of Proposed Pumping Station (IPS) at **Bonpora** of Storm Water Drainage Nowgam Bonpora Padshahi Bagh, Srinagar

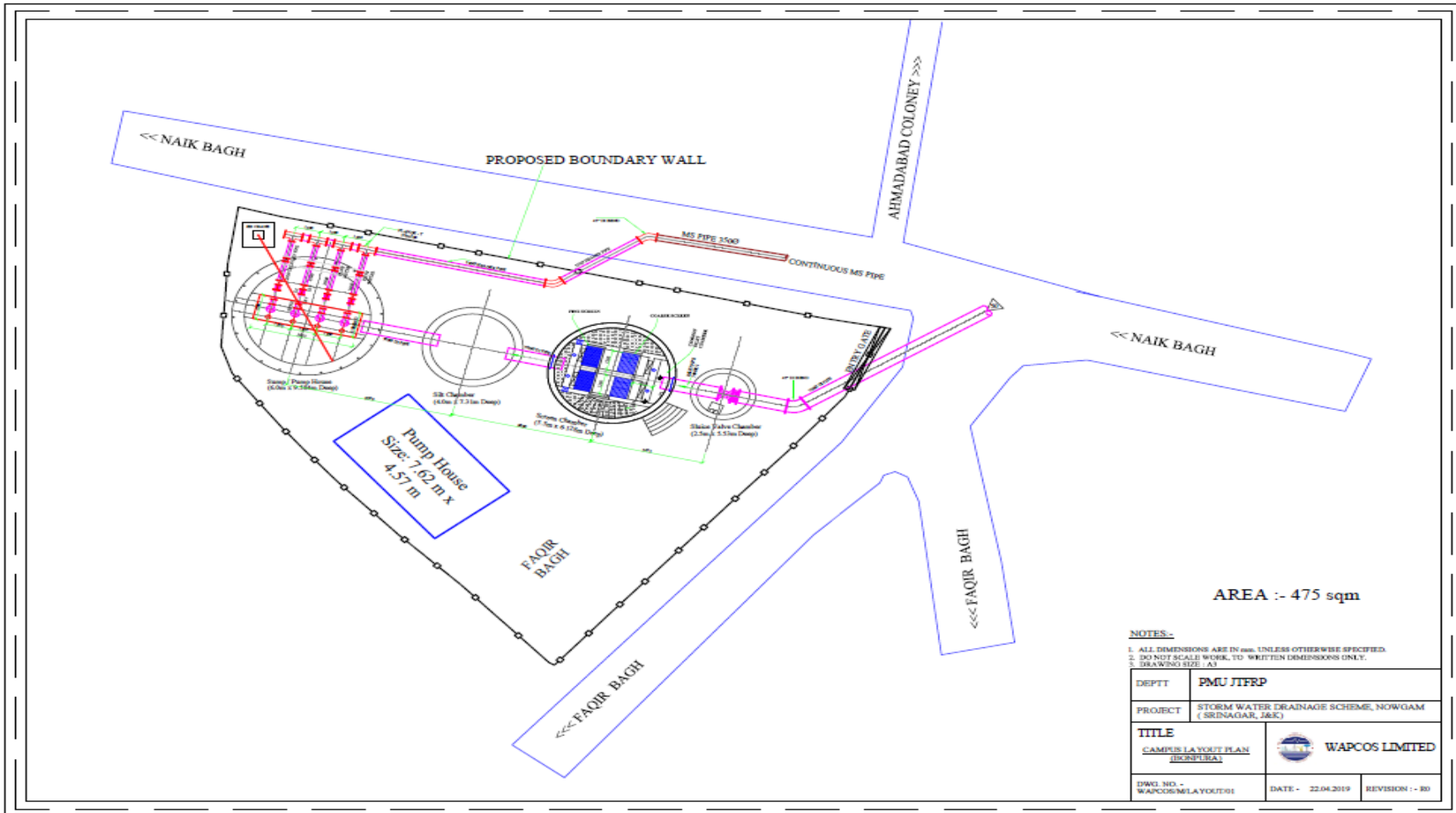
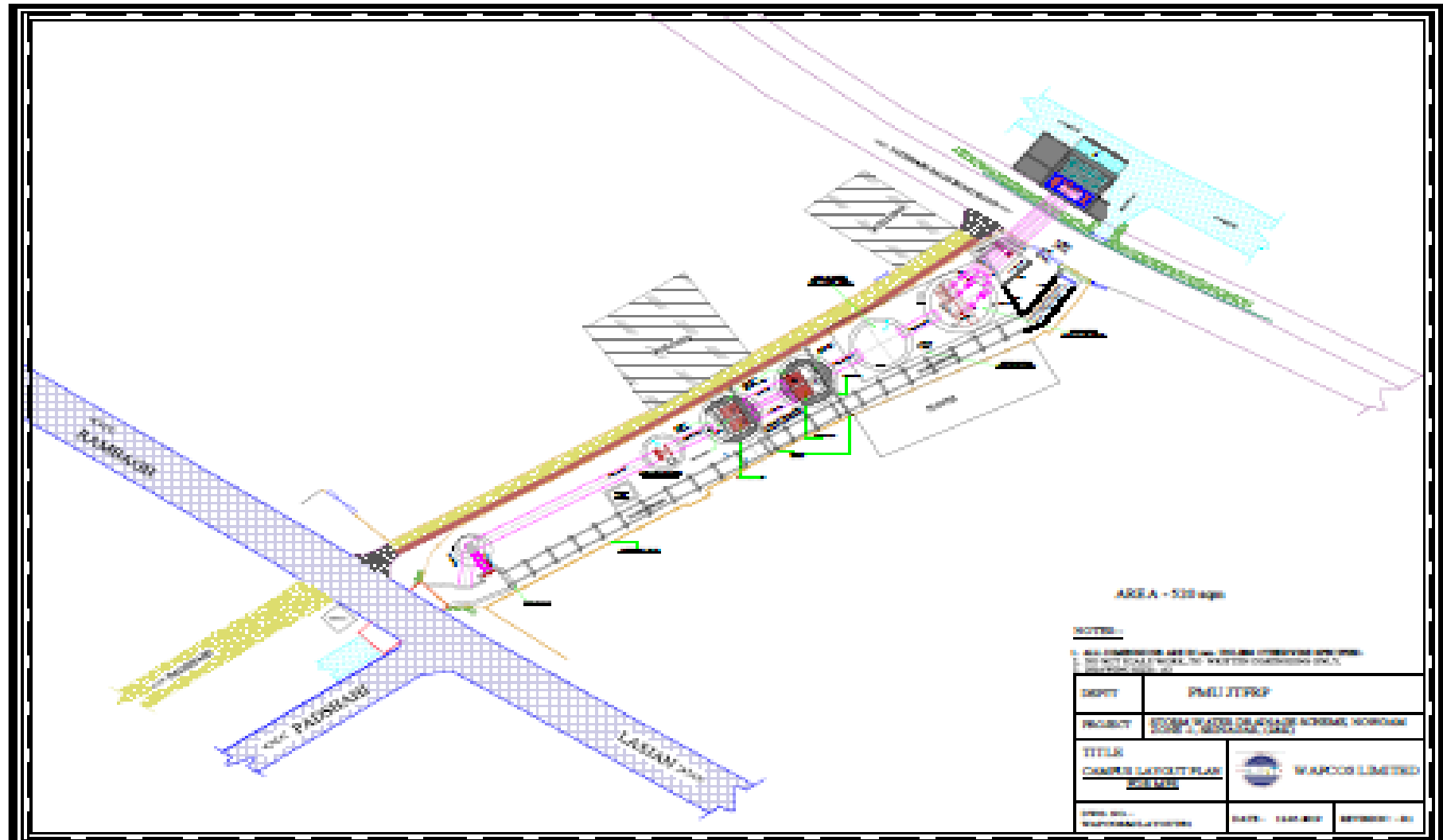


Figure 1-3: Layout Plan of Proposed Pumping Station (MPS) at *Padshahi Bagh* of Storm Water Drainage in Nowgam Bonpora, Srinagar



1.5 Objective of the Environmental and Social Screening

Subprojects under “Jhelum and Tawi Flood Recovery Project” commonly known as JTFRP have a prior requirement of environmental and social screening as per World Bank obligation which is based on three categories; viz., nature of the project, size of the project and location of the project that is sensitive area criteria. Based on this assessment, sub-projects with potentially significant environmental/ social issues are identified at an early stage for detailed Environmental/ Social impacts. Environmental and social aspects were evaluated as per ESDS and assessed, based on the level of expected environmental and social impacts.

Based on the present study, the subproject “Construction of the Storm Water Drainage Scheme of Nowgam Bonpora Padshahibagh in Srinagar” requires an Environmental Assessment study. Since the concept of subproject is purely “Storm Water Drainage- Collection of run-off from precipitation and its disposal via drainage network into Padshahibagh Nallah outfall point at Padshahibagh MPS”.

1.6 Methodology adopted for the Screening Study

The approach adopted for this screening study is mainly based on the approved Environment and Social Management Framework (ESMF) which is developed by the World Bank for the project Jhelum Tawi Flood Recovery Project (JTFRP) as a guiding principle for the preparation of Environmental and Social reports. The initial stage adopted for the screening, was identification of environmental and social issues as a preliminary stage, the environmental and social issues were identified through filling in an Environmental and Social Data Sheet (ESDS) annexed as Appendix-1.

The basic objective of the filling in this data sheet is to collect basic information on environmental and social aspects of the proposed sub-project. Basic information was collected through field visits, examination of primary/ secondary data of the subproject area and through transect walk and public consultation- which involves participatory process as adopted for this screening study of proposed Storm Water Drainage scheme of Nowgam Bonpora and Padshahi Bagh areas. Further, in accordance with ESMF requirement, environmental and social data pertaining to the proposed sub-project was compiled during the field data collection stage.

2. ENVIRONMENT AND SOCIAL ISSUES

2.1 Environment Issues

Srinagar city is located on a flatter terrain. The drainage system of the city relies on lift system through drainage pumping stations, which lift surface water from wet well and discharge into the adjoining water bodies. The majority of the drains are covered with RCC slabs with manholes provided at suitable intervals to facilitate maintenance of the drainage system. The city has presently about eighty drainage pumping stations. As per surface water drainage master plan, Srinagar city is divided into three drainage zones. The proposed subproject “Construction of Storm Water Drainage in Nowgam Bonpora and Padshahi Bagh Areas” comes under Zone-1 drainage scheme.

Srinagar city is conferred upon by nature with so many water bodies including world-famous Dal Lake which is situated in the middle of the city. River Jhelum having more than 140 tributaries are associated with River Jhelum flows through the city and dividing it into two parts (left & right bank).

River Jhelum and small Padshahi bagh nallah is flowing East side near the project site of the proposed location of Major Pumping Station (MPS) at Padshahi Bagh. River Jhelum is approx. 70 meters from the MPS and Padshahi Bagh nallah at 10 meters from the pumping station site. Padshahi bagh nallah, which is the outfall channel of proposed SWD confluences with the Jhelum River at 170 meters from the MPS site.

Flood Spill Channel is also flowing from the North-West side of the Padshahi Bagh side at an approx. distance of >75 meters.

2.2 Expected Environmental Impacts

The Environmental Screening undertaken for the project revealed that the project is not anticipated to have adverse significant or irreversible negative environmental impacts, neither during the construction stage or operation phase. Impacts of the construction phase will be typical for all medium-scale construction activities, short-term/ temporary and limited to the project site. However, a comprehensive Environmental Management Plan (EMP) will be developed and capture detailed mitigation measures for the proposed SWD along with pumping stations at both locations which will form part of the Environmental Assessment study.

This outfall point at major pumping station drops into Padshahibagh Nallah which confluence with river Jhelum at 170 m from MPS site. This screening is conducted and prepared, purely based on the “Design Criteria” of Storm Water Drainage i.e. the collection of storm water from the precipitation runoff of the proposed subproject catchment area. It is important to maintain the sanctity of the concept of SWD system. Based on this screening outcome, the proposed

subproject requires Environmental Assessment as per World Bank's ESMF 2015 guideline for JTFRP.

The potential negative environmental and social impacts of the proposed "Construction of Storm Water Drainage in Nowgam Bonpora- Padshahibagh Srinagar City" may be of modest nature and are presented below;

1. Since the number of storm water drainage schemes in Srinagar city have mixed wastewater connectivity from the households resulting in deterioration of receiving water body. This mixed wastewater/ sewerage comprise of high oxygen demanding (BOD) waste and prevailing anoxic condition result into sulfate precipitation which leads to the formation of Hydrogen Sulphide (H₂S), which is an obnoxious gas/odor in drainage network and sumps. This will have long-term impacts in a given community along with sensitive receptors like schools, religious places, residents etc. In this connection, the pure concept of the proposed Storm Water Drainage should be implemented as per the design criteria for this project.
2. Noise and vibration disturbances during construction are related to the execution of civil works and transportation of construction materials/waste. These impacts will occur during the construction works and will include noise and vibration caused by the operation of heavy machinery.
3. Temporary air pollution occur during construction works and includes release of dust from excavation/loading works and heavy machinery operation, emission of harmful substances from combustion of diesel used by transportation means and machinery during the construction works, emissions from welding, concrete-mixing, asphalt-placing activities, as well as dust caused by improper storage of friable construction materials and non-timely disposal of friable construction waste.
4. Public and Workers safety issues during the construction phase of the project.

The proposed site of the intermediate pumping station in Bonpora is a small park with a built-up area around. In Padshahibagh area, the proposed site for major pumping station is existing nallah having a horizontal strip of land. Environmental Management Plan (EMP) will be prepared for the proposed subproject which will provide specific actions deemed necessary to assist in mitigating the environmental impacts, guide the environmentally-sound execution of the subproject, and ensure efficient lines of communication between the implementing agency, project management unit, project consultants and contractor. The EMP will form part of the bid document and will be made binding on the contracting firm.

2.3 Social Issues

2.3.1 Issue of land Acquisition

The proposed subproject has a total length of 12 km of SWD drainage network within the existing available RoW in the by lanes and inner lanes of colonies. The proposed sub-project require a total of 995.00 m² i.e. 475.00 m² of land for construction of one Intermediate

Pumping Station (IPS) at Nowgam, Bonpora and 520.00 m² for the construction of one Major pumping Station (MPS) at Padshahi Bagh as per design criteria. The identified land as per revenue records falls under the category of Shamilat Deh land (Appendix-8). The proposed sites for construction of two dewatering stations do not have any type of structure over it and as such there is no acquisition of structures or other assets involved. Since the land is Shamilat Deh⁴, NOC/Resolution from local community/Sarpanch is required and the same has been obtained and annexed as Appendix 5. During consultation/Resolution, it is confirmed by the Sarpanch that they are aware that land identified for two dewatering pumping stations is Shamailat Deh land and none will lose their livelihood because of construction of dewatering stations. Although revenue record says that land parcels are under illegal occupation but physically, it's occupied by none and land parcels are open/vacant (figure: 4.4 & 4.5). In the resolution, the community confirmed that land identified for dewatering station is free from any encumbrance.

The pipeline line is proposed to be laid in the center of the existing roads, the screening exercise envisaged only temporary disruptions to commuters and others.

Hence, there are no significant social or environmental impacts of the proposed scheme. Therefore, no further detailed Social Impact Assessment or Environmental Impact Assessment needs to be undertaken.

2.3.2 Issue of Livelihood

As per the screening study, the sub-project does not have any significant social impacts as the drainage network shall be laid in the middle of existing road/lanes. Only that portion shall be excavated that can be restored by end of day or in 24 hours. However, following mitigation shall be taken to avoid temporary disruptions.

2.3.3 Mitigation measures

Though there will not be any temporary or permanent impact on land, structures, CPR, livelihood etc. but to mitigate the potential temporary disruptions etc. the following mitigation measures mentioned in DPR, shall be followed during construction.

- Works shall not be carried out simultaneously over large areas of the site but shall be sequenced so that all operations likely to cause disruption to public traffic shall be undertaken and completed in discrete area before commencement of operations in other areas.
- The Contractor's Program shall, in so far as it is practicable to do so, take into consideration the commercial interest of individual shopkeepers e.g. operations should not be sequenced so as to disrupt access to individual shops having only one access from the road.

⁴ Common/Village Land.

- Excavated material will be dumped on one side of the trench/drain made for lying pipeline so that on the other side commuters can move. Restoration of the excavated portion of the road will be done on same day or within 24 hrs. Proper signage's like lane close or diversion signs will be displayed.
- Community / local residents will be pre informed before civil work starts on any stretch. The contractor/PIU will ensure to convey proper message to the residents for temporary arrangements to park their vehicles etc. during the excavation.
- During construction, if any ramp etc. damages or dismantled, PIU through contractor will ensure that same shall be reconstructed to the satisfaction of the affected person.

3. PUBLIC CONSULTATION

Public consultation was conducted in accordance with the World Bank's ESMF-JTFRP protocol which is the pre-requisite for the screening process. The purpose and objective of this consultation is the involvement of residents/ stakeholders and to make them aware of the proposed subproject.

Public consultation was conducted on 3rd February, 2019, 6th May 2019 and thereafter on 15-16, September 2020 (Appendix 3, 4, 5 & 6). Community heads of the locality were consulted which helped in gathering of public. The residents of the Nowgam-Bonpora and Padshahibagh areas were consulted based on the procedural guidelines of reaching public required for the preliminary baseline characteristics of environmental and social screening (Appendix-3 and 6).

Transect walk with community heads and local residents conducted in Bonpora in Advent Colony and Padshahi bagh to collect the baseline information and existing conditions (Appendix-6). Formal and informal consultations were undertaken with the project stakeholders to take the views and propositions about the project activities.

3.1 Consultation

- The proposed project of Storm Water Drainage scheme in Nowgam Bonpora Padshahibagh areas and the perceived information on the benefits of the subproject and environmental/ social/ health enhancement and issues about project and its source of assistance, its implementation/execution, etc.
- Concept of Environment and Social Screening requirements and benefits thereof.
- Concept of Storm Water Drainage.
- Environment/ social policies of World Bank, direct and indirect impacts of construction work.
- Temporary access disruption during the execution stage due to the proposed construction activity?
- Protection and conservation aspects of environmental attributes.
- Mechanism and operation of grievance redressal system in case of any public complaints during project execution.

3.2 Outcome and suggestions

During consultation with the local residents, the response was overwhelming when they were apprised about the proposed SWD subproject of World Bank- JTFRP. Purpose of the present study "Environmental and Social Screening" was also discussed and following general suggestions were recorded;

Some of the valuable feedbacks/ suggestions were received and are summarized below;

1. During consultation, residents requested that the drainage works should start preferably in waterlogged areas of Bonpora, Advent colony etc.

2. Safety measures should be in place and they will ensure full cooperation and support for the successful execution of the sub-project. They have also ensured to provide responsible people who will liaison with the implementing agency and the contractor for community-related issues.
3. Local residents who are related to the construction industry shall be engaged with the proposed works.
4. Temporary access routes/ ramps/ bridges shall be provided during excavation activity. If any damage to wall/fence etc. during excavation happens the contractor will construct the same in original position on his costs.
5. Locals were informed that complaint/suggestion register is available at site for any complaints/suggestions for sub project.

4. CONCLUSION AND RECOMMENDATION

The present living condition in Bonpora areas, Advent Colony etc. is in pathetic state with waterlogged/ submerged roads, lawns, schools and moreover the stagnation of water leads to bad odor and people are living with the unhealthy/unsanitary circumstances. During consultation, people also grumbled about the difficulty in getting the marriage proposals of their daughters/ sons due to the above factors and lack of the basic civic amenity of the drainage system.

Based on the screening activity, ESDS and site survey it is concluded that the proposed construction of Storm Water Drainage scheme in Bonpora Padshahibagh areas and construction of two pumping stations does not have any foreseen adverse significant environmental impact. Since the scope of work has to be executed within the existing RoW. In fact, the proposed scheme of storm water drainage in the area will improve the environmental condition of the whole area and relieve the people from existing health hazards/ risks from the contaminated water oozing out from households, open spaces and mixing with septic tanks. Based on the Environmental and Social Data Sheet of ESMF prepared for the Jhelum Tawi Flood Recovery Project by the World Bank, this subproject requires preparation of "Environmental Assessment study and ESMP.

Environmental and Social Management Plan (ESMP) will provide specific actions deemed necessary to assist in mitigating the environmental impacts, guide the environmentally-sound execution of the subproject, and ensure efficient lines of communication between the implementing agency, project management unit, project consultants and contractor. The EMP will form part of the bid document and to be reviewed during implementation. The EMP will be included in the contractual clauses and will be made binding on the contracting firm.

Implementing agency of the proposed SWD project have to ensure that the requisite environmental/ social management measures and suggestions/ feedback received during consultation with the stakeholders/ locals should be considered during the design phase and to be incorporated in EA/ ESMP. Public consultation shall be a regular process during different stages of the sub-project implementation to solve any issues arising out of the proposed works.

Appendix-1: Environment and Social Screening Data Sheets

Part A: General Information

1.	Name of the sub-project	Construction of Storm Water Drainage Scheme in Bonpora Padshahi Bagh areas in Srinagar, J&K	
2.	Type of proposed activity (tick the applicable option and provide details)		
	• Road		-
	• Bridge		-
	• Fire Station		-
	• Hospital/Health Facility		-
	• Educational Institute		-
	• Building for Livelihoods		-
	• Flood Infrastructure Related	<input checked="" type="checkbox"/>	Storm Water Drainage/ 2 Pumping Stations
	• Other Public Building		-
	• Any Other (Please Specify)		-
3. Location of the proposed sub-project			
	• Name of the Region	Kashmir (J&K State)	
	• Name of the District	Srinagar	
	• Name of the Block	Amira Kadal	
	• Name of the Settlement	Nowgam Bonpora and Padshahi Bagh	
	• Latitude	34°02'11"N (Bonpora ⁵ IPS), 34°03'13"N (Padshahi Bagh ⁶ MPS)	
	• Longitude	74°49'25"E (Bonpora IPS), 74°49'46"E (Padshahi Bagh MPS)	
4a. Proposed Nature of Work (tick the applicable options)			
	• Minor Repairs		-
	• Major Repairs/Rehabilitation		-
	• Upgrading/Major Improvement		-
	• Expansion of the facility		-
	• New Construction	<input checked="" type="checkbox"/>	Storm Water Drainage/ 2 Pumping Stations
	• Any Other		-
4b.	Size of the sub- project	Total Length of Drainage Network: 12.08 Km	

⁵ Intermediate Pumping Station

⁶ Major Pumping Station

(approx. area in sq. mt/hac or length in mtr./km, as relevant)	
5. Land Requirement (in hac./sq.mt.)	
• Total Requirement	520 m ² (MPS) + 475 m ² (IPS) = 995 m ²
• Private Land	No
• Govt. Land	No
• Forest Land	No
• Community Land	995 m ²
6. Implementing Agency Details (sub-project level)	
• Name of the Department/ Agency	J&K ERA
• Name of the contact person	Er. Suraj Gupta
• Designation	Project Manager (Hyd)
• Contact Number	+91-9906041376
• E-mail Id	pmukashmir@gmail.com
7. Screening Exercise Details	
• Date on which it was carried out	3 rd February 2019 and 6 th May 2019
• Name of the Person	Akhter R. Bhat
• Contact Number	+91-9419552221; 7006543364
• E-mail Id	akhter_b@hotmail.com ; akhter.bhat3@gmail.com .

Part B (1): Environment Screening

Question	Yes	No	Details
1. Is the sub-project located in whole or part within 1 km of the following environmentally sensitive areas?			
a. Biosphere Reserve		No	-
b. National Park		No	-
c. Wildlife/Bird Sanctuary		No	-
d. Wildlife/Bird Reserve		No	-
e. Important Bird Areas (IBAs)		No	-
f. Habitat of migratory birds (outside protected areas)		No	-
g. Breeding/Foraging/Migratory route of Wild Animals (outside protected areas)		No	-

h. Area with threatened/rare/ endangered flora (outside protected areas)		No	-
i. Reserved/Protected Forest		No	-
j. Another category of Forest		No	-
k. Wetland		No	
l. Natural Lakes		No	
m. Rivers/Streams	Yes		River Jhelum is approximately 180 meters away from the proposed pumping station at Padshahi Bagh. A Padshahibagh nallah is also flowing at 20 meters away from the proposed pumping station which is a disposal point of storm water drainage scheme.
n. Swamps/Mudflats		No	-
o. Zoological Park		No	-
p. Botanical Garden		No	
2. Is the sub-project located in whole or part within 500 mts. of any of the following sensitive features?			
a. World Heritage Sites		No	-
b. Archaeological monuments/ sites (under ASI's central/state list)		No	-
c. Historic Places/Monuments/ Buildings/Other Assets (not listed under ASI list but considered locally important or carry a sentimental value)		No	
d. Religious Places (regionally or locally important)		No	
e. Reservoirs/Dams		No	-
f. Canals	Yes		Flood spill channel of river Jhelum is flowing >75 meters away from the subproject tail end near Padshahi Bagh.
g. Public Water Supply Areas from Rivers/Surface Water Bodies/ Ground Water Sources		No	-
3. What is the High Flood Level in the sub-project area?	2 mts. above N.S.L		
4. Is any scheduled/protected tree-like Chinar, Mulberry or Deodar likely to be	Yes		1 Mulberry tree of girth size 1.8 ft is to be cut for construction of MPS

affected/ cut due to the project?			
5. Is the sub-project located in a landslide/heavy erosion-prone area or affected by such a problem?		No	
6. Is sub-project located in an area that faces water paucity or water quality issues?		No	

Part B (2): Result/Outcome of Environmental Screening Exercise

1.	Environment Impact Assessment Required	No
2.	Environment Clearance Required	No
3.	Forest land Clearance/Diversion Required	No
4.	Tree Cutting Permission Required	Yes
5.	ASI (Centre/State) Permission Required	No
6.	Permission from ULB/Local Body/Department Required	Yes
		<ul style="list-style-type: none"> • Permission for Construction of Drainage and Dewatering Station will be required from Srinagar Municipal Corporation (SMC). • Consent to Establish/ Operate 2 Pumping Stations from SPCB
7.	Any other clearance/permission required	<p>Yes</p> <p>For construction/ operation of the site and procurement of aggregate material from crusher units/ quarry sites/ borrow areas/ construction vehicles involved following consents/ permission are required;</p> <ul style="list-style-type: none"> ▪ Consent to Establish (CTE) and Consent to Operate (CTO) from SPCB for the crusher units. ▪ Consent to establish/ operate Pumping station / DG Sets from the SPCB. ▪ PUC's and other fitness certificates of equipment's etc. are required on site. ▪ Construction material will be procured only from permitted sites and licensed /authorized quarries/ borrow sites approved by the Geology & Mining Department for which contractors have to produce royalty receipts.

Part C (1): Social Screening

1. Does the sub-project activity require acquisition of land?			
Yes		No	√
Give the following details:	Private Land (sq mts/hac.)		-
	Govt. Land (sq mts/hac.)		-
	Forest Land (sq mts/hac.)		-
	Other Land (sq mts/hac.)		995 m ² (Shamilat Deh Land)
2. Does the proposed sub-project activity result in demolition/removal of existing structures?			
Yes		No	√
If so, give the following details:			
• Number of public structures/buildings			-
• Number of common property resources (such as religious/cultural/ drinking water/wells/etc.)			-
• Number of private structures (located on private or public land)			-
3. Does the proposed project activity result in loss of crops/trees?			
Yes		No	√
4. Does the proposed Project activity result in loss of direct livelihood/ employment?			
Yes		No	√
5. Does the proposed activity result in loss of community forest/pastures on which nearby residents/local population are dependent?			
Yes		No	√
If yes, give the details of the extent of the area to be lost (in acres/hac).			-
6. Does the proposed Project activity affect scheduled tribe/caste communities?			
Yes		No	√

Part C (2): Result/Outcome of Social Screening Exercise

S. No.	Result/Outcome	Outcome
1	Answer to all the questions is 'No' and only forest land is being acquired	No SIA/RAP required

2	Answer to any question is 'Yes' and the sub-project does not affect more than 200 people (i.e. either complete or partial loss of assets and/or livelihood)	No ARAP is required
3	Answer to any question is 'Yes' and the sub-project affects more than 200 people (<i>i.e. either complete or partial loss of assets and/or livelihood</i>)	No SIA/RAP Required

Outcome:

The sub-project does not require land acquisition. The identified land parcels are of Shamilat Deh category. The subproject requires only the preparation of robust Environmental and Social Management Plan (ESMP) to mitigate and avoid temporary disruptions to the commuters and others. However, mitigation measures are also proposed in the DPR and contract agreement to avoid and minimize the temporary disruption. Therefore, no further special study such as SIA/EIA needs to be undertaken.

Appendix-2: Existing Condition of Nowgam Bonpora/ Padshahi Bagh Area.



Figure 4-1: During transect walk with the community heads and the affected residents





Figure 4-2: Submergence/ waterlogging of houses, lawns, roads is common scene during site visit.



Figure 4-3: Site photos of Padshahi Bagh showing waterlogging and water supply pipelines



Figure 4-4: Major Pumping Station at Padshahi Bagh



Figure 4-5: Intermediate Pumping Station at Bonpora.

Appendix-3 Public Consultation/ Meeting Photographs



Figure 4-6: Involvement of woman folk during in-house consultation held in Bonpora





Figure 4-7: During Public Consultation with the residents of the Bonpora





Figure 4-8: At Padshahi Bagh and Bonpora areas and all other photos of consultation

Appendix 4: Signature Sheets

JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP), JAMMU & KASHMIR

LIST OF PARTICIPANTS IN PUBLIC CONSULTATION WITH SIGNATURES

SUB-PROJECT NAME: Construction of Storm Water Drainage Scheme in BonporaNowgamof

Zone-1 Srinagar

LOCATION OF MEETING/ CONSULTATION: *Bonpora Nowgam*

DATE AND TIME: *3/2/19 12:30pm* Public Consultation Conducted by: *A.R. Khan*

S. No	Name	Age/ Sex	Occupation	Address	Signature
1	Habibullah	60	Govt	Nowgam Bonpora	<i>[Signature]</i>
2	MUJAFAR AH	37	P. Govt	Nowgam Bonpora	<i>[Signature]</i>
3	Gh. N. Bhat			Nowgam (Bampur)	<i>[Signature]</i>
4	M. Anwar Khan	52	Business	Advent Colony Bonpora	<i>[Signature]</i>
5	MUSLIM AH KHAN	36	Business	Advent Colony Bonpora	<i>[Signature]</i>
6	Ah. Mujib	50	Govt	Advent Colony Bonpora	<i>[Signature]</i>
7	Bekir AH KHAN	50	Govt	Advent Colony Bonpora	<i>[Signature]</i>
8	Al. Ahmad Khan	55	Govt	Advent Colony Bonpora	<i>[Signature]</i>
9	Jamil AH KHAN	48	Govt	Advent Colony Bonpora	<i>[Signature]</i>
10	Jamil AH KHAN	25	Student	Advent Colony Bonpora	<i>[Signature]</i>
11	Muhammad Gh. Bhat	22	Student	Advent Colony Bonpora	<i>[Signature]</i>
12	Muhammad AH KHAN	28	Govt	Advent Colony	<i>[Signature]</i>
13	Amir Saad	30	Govt	Advent Colony	<i>[Signature]</i>
14	Jamil Khattak	26	Govt	Advent Colony	<i>[Signature]</i>

[Signature]
 MASHI SIKRITH
 Bonpora, Nowgam

[Signature]

closed for consultation
[Signature]

JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP), JAMMU & KASHMIR

LIST OF PARTICIPANTS IN PUBLIC CONSULTATION WITH SIGNATURES

SUB-PROJECT NAME: Construction of Storm Water Drainage Scheme in BonporaNowgamof

Zone-1 Srinagar

LOCATION OF MEETING/ CONSULTATION: Bonpora Nowgam

DATE AND TIME: 13/07/19 12:00 Public Consultation Conducted by: 12 Staff

S. No	Name	Age/ Sex	Occupation	Address	Signature
1.	Shayez Ah. Malik	43	Contractor	Advent Colony Nowgam	[Signature]
2.	Mrs. Ab. Qari	62	Retiree	Bonpora Nowgam	[Signature]
3.	Mrs. Ayub Khan	60	Sub-lane	Bonpora Nowgam	[Signature]
4.	NISSAR Ah. Dar	46	Contractor	Bonpora Nowgam	[Signature]
5.	SHERAZ Ah. Dar	30	Contractor	Bonpora Nowgam	[Signature]
6.	Gulzar Ahmad	35	Business	Bonpora Nowgam	[Signature]
7.	Mansoor Ah.	36	Business	Bonpora Nowgam	[Signature]
8.	Haji Ah. Qasim	72	Retiree	Bonpora Nowgam	[Signature]
9.	Rafiq Jahanvi	48	Employ	— do —	[Signature]
10.	A.B. Mujeeb	55	Sub-lane	— do —	[Signature]
11.	Bashir Ahmad	15	Contractor	— do —	[Signature]
12.	G.H. Malik	49	Laborer	— do —	[Signature]
13.	M. Yusuf	50	Laborer	— do —	[Signature]
14.	A.B. Qasim	55	Laborer	— do —	[Signature]

15. M. Ghaseem 60 Retiree
 16. Parvez Ahmad 35 Business
 17. Farooq Ahmad 55 Sargandi
 Nowgam B

[Signatures for entries 15, 16, and 17]

Handwritten note in green ink:
 12 Staff

JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP), JAMMU & KASHMIR

LIST OF PARTICIPANTS IN PUBLIC CONSULTATION WITH SIGNATURES

SUB-PROJECT NAME: Construction of Storm Water Drainage Scheme in BonporaNowgamof Zone-1 Srinagar

LOCATION OF MEETING/ CONSULTATION: **ADVENT COLONY, NOWGAM**

DATE AND TIME: **3/2/19 - 11:50 am** Public Consultation Conducted by: **AL Raza**

S. No	Name	Age/ Sex	Occupation	Address	Signature
1.	Refiqe	45	House wife	Advent colony Bonpora	[Signature]
2.	Kholida	45	House wife	Advent colony Bonpora	[Signature]
3.	Taje	50	House wife	Advent colony Bonpora	[Signature]
4.	Miyam	42	House wife	Advent colony Bonpora	[Signature]
5.	Jehida	40	House wife	Advent colony Bonpora	[Signature]
6.	Lutika	40	House wife	Advent colony Bonpora	[Signature]
7.	Balgees	42	House wife	Advent colony Bonpora	[Signature]
8.	Misam	45	House wife	Advent colony Bonpora	[Signature]
9.	Miyam	40	House wife	Advent colony Bonpora	[Signature]
10.	Balgees	49	House wife	Advent colony Bonpora	[Signature]
11.	Taje	50	House wife	Advent colony Bonpora	[Signature]
12.	Sekam	40	House wife	Advent colony Bonpora	[Signature]
13.	Helen	42	House wife	Advent colony Bonpora	[Signature]
14.	Helen	42	House wife	Advent colony Bonpora	[Signature]

Al Raza
 District Engineer
 Jhelum Tawi Flood Recovery Project
 Srinagar

[Signature]
 FAJALI BEHROOD COMMITTEE
 CHAIRMAN

FAJALI BEHROOD COMMITTEE

Used for counting
 34

JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP), JAMMU & KASHMIR

LIST OF PARTICIPANTS IN PUBLIC CONSULTATION WITH SIGNATURES

SUB-PROJECT NAME: Construction of Storm Water Drainage System/ with Major Pumping Station in Padshahi Bagh Area, Srinagar, J&K

LOCATION OF MEETING/ CONSULTATION:

DATE AND TIME: 22/10/19 9:00 Public Consultation Conducted by: J. L. Qureshi

S. No	Name	Age/ Sex	Occupation	Address	Signature
1.	Ab. Khaliq Rather	70/M	Business	Padshahi Bagh	[Signature]
2.	Haji Abdul Gani	80/M	Retired	Padshahi Bagh	[Signature]
3.	Ab. Mejeed Rather	67/M	Retired Govt. Employee	Padshahi Bagh	[Signature]
4.	Ab. Hamid Rather	55/M	Govt. Employee	Padshahi Bagh	[Signature]
5.	Muhammed Shafi Rather	58/M	Business (Trailer)	Padshahi Bagh	[Signature]
6.	Muhammed Ghaffar	59/M	Govt. Employee	Padshahi Bagh	[Signature]
7.	Abdul Akbar Rather	90/M	Business	Padshahi Bagh	[Signature]
8.	Payam Az. Rather	54/M	Business	Padshahi Bagh	[Signature]
9.	Zahid Rather	27/M	Self-employed	Padshahi Bagh	[Signature]
10.	Umar Pant	27/M	Self-employed	Padshahi Bagh	[Signature]
11.	Muhammed Shafi Rather	64/M	Retired Govt. Employee	Padshahi Bagh	[Signature]
12.	Muhammed Ghous	47/M	Business	Padshahi Bagh	[Signature]
13.	Abul Hafiz Rather	62/M	Retired Govt. Employee	Padshahi Bagh	[Signature]
14.	Haji Muhammad	70/M	Retired Govt. Employee	Padshahi Bagh	[Signature]
15.	Shafi Rather	90/M	Govt. Employee	Padshahi Bagh	[Signature]
16.	Parag Az. Rather	54/M	Govt. Employee	Padshahi Bagh	[Signature]

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Handwritten notes at the bottom right: "closed for count later 22/10/19" and "06/10/19".

JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP), JAMMU & KASHMIR

LIST OF PARTICIPANTS IN PUBLIC CONSULTATION WITH SIGNATURES

SUB-PROJECT NAME: Construction of Storm Water Drainage System/ with Major Pumping Station in Padshahi Bagh Area, Srinagar, J&K

LOCATION OF MEETING/ CONSULTATION:

DATE AND TIME: 06/08/19 3:10 PM Public Consultation Conducted by: A.L. Bhat

S. No	Name	Age/ Sex	Occupation	Address	Signature
1.	Gs Nabi Rather	64 M	Retired G.S	Padshahi Bagh	
2.	Ab. Rashid Rather	62 M	Retired G.S	Padshahi Bagh	
3.	Ludous A. Bhat	48 M	Driver	Padshahi Bagh	
4.	Sajid Ahmad	33 M	Business	Padshahi Bagh.	
5.	Mohd. Amin	40 M	Service	Padshahi Bagh.	
6.	Gs Mohind-Din	63 M	Retired	Padshahi Bagh	
7.	Masser Ahmad	52 M	Business	Padshahi Bagh	
8.	Mohd Ayazub	50 M	Business	Padshahi Bagh	
9.	Mohd. Yacmus	28 M	Business	Padshahi Bagh	
10.	Mohd. Iqbal Bhat	40 M	Business	Padshahi Bagh.	
11.	Masser A. Bhat	48 M	Business	Padshahi Bagh	
12.	Gs Mustafa Rather	63 M	Retired	Padshahi Bagh.	
13.	Zuntyyaz A. Bhat	36 M	Driver	Padshahi Bagh.	
14.	Fayaz A. Bhat	50 M	Contractor	Padshahi Bagh.	
15.	Ah. Rasool Rather	55 M	Driver	Padshahi Bagh.	
16.	Mohd Ashraf Bhat	53 M	Business	Padshahi Bagh.	

10/5
 Above consultation conducted at the place of Mr Gulam Rasool Rather Padshahi Bagh. 4
 Closed for the Consultation.
 S. A. Bhat
 06/08/19

JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP), JAMMU & KASHMIR

LIST OF PARTICIPANTS IN PUBLIC CONSULTATION WITH SIGNATURES

SUB-PROJECT NAME: Construction of Storm Water Drainage Scheme in Padshahi Bagh Area of Zone-1 Srinagar

LOCATION OF MEETING/ CONSULTATION:

DATE AND TIME: 02/10/19 4:00 PM Public Consultation Conducted by: A. R. Bhat

S. No	Name	Age/ Sex	Occupation	Address	Signature
1.	Mst Syida w/o. ^{by Mohalla}	55 (F)	x	Rathor Mohalla Kussor Padshahi Bagh	
2.	Bilqis Bhat	40 (F)	Housewife	Rathor Mohalla	Bhat
3.	Shameema w/o	42 (F)	w/o F	Rathor Mohalla	
4.	Mst Atiqah	30 (F)	H/w	" "	
5.	Mst Shafiqah	50 (F)	H/w	" "	
6.	Mst Shamima	40 (F)	H/w	" "	
7.	Mst Anshu Bhat	50	H/w	" "	
8.	Mst Zameer	60 F	H/w	" "	
9.	Mst Shamima	60 yr	H/w	" "	
10.	Mst Parwana	40	H/w	" "	
11.	Mst. Miama	45	H/w	" "	
12.	Mst. Raja	65	H/w	" "	
13.	Mst. Hafsa	50	H/w	" "	
14.	Mst Raja	55	H/w	" "	

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JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP), JAMMU & KASHMIR

LIST OF PARTICIPANTS IN PUBLIC CONSULTATION WITH SIGNATURES

SUB-PROJECT NAME: Construction of Storm Water Drainage Scheme in PadshahiBagh Area of Zone-1 Srinagar

LOCATION OF MEETING/ CONSULTATION:

DATE AND TIME: 06/10/19 4:30 PM Public Consultation Conducted by: A. D. Bhat

S. No	Name	Age/ Sex	Occupation	Address	Signature
1.	Mr. Rafiq	45 - M/W		Rathor Mohalla	
2.	Mr. Gopal	40 - H/W		Padshahi Bagh	
3.	Mr. Shamsam	40 - H/W		"	
4.	Mr. Madhwar	50 - H/W		"	
5.	Mr. Adhla	50 - H/W		"	
6.	Mr. Sharma	50 - H/W		"	
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					

Handwritten note: "Hand for the committee" and "also report"

Appendix 5: Consultation/NOC/Resolution/Photographs

Consultation
Jhelum Tawi Flood Recovery Project
Government of J&K

Date: 15.09.2020 Place: Srinagar - Nowgam

Name of the Subproject: Construction of Storm water Drainage at Bompora
Aadshahi Bagh Nowgam Srinagar

Name of the PIU: J&K ERA

Name of the Sarpanch/Councillor: Gul Mohammad Dar

Khasra no: 736954 Type of Land: Shamlat Deh (Banjee Kadeem)

Address of the Panchayat/Ward: Nowgam

1. Do you know that Government of J&K Kashmir under "Jhelum Tawi Flood Recovery Project" proposed to construct Dewatering Pumping Station over the Shamlatdeh land?
Yes/No Yes
2. What is the current usage of the land?
OPEN LAND
3. Is livelihood of anyone from Panchayat/ward area dependent on the land required for proposed construction?
Yes/No No
4. Does the community have any objection if PIU through PMU (JFRP) under World Bank funding constructs Dewatering Pumping Station on the land?
Yes/no No

Signature: Gul Mohammad Dar
Deputy Sarpanch
Nowgam-R
9148588144

Name of Officer from PIU: Suny
Designation: Ex. Suraj Gupta
Project Manager (Hyd)
Mobile Number: 9906041376
Stamp: Project Manager (Hyd)
JK ERA Kashmir

Declaration for Shamatdeh land

I Sarpanch/Councillor (Name) Gul Mohammad Dar S/o, D/o, W/o
Hab. Dar P/O Nowgam Tehsil Srinagar District Srinagar

of Jammu & Kashmir U.T., on behalf of the community declare that we have no objection if

Project Implementation Unit Jand K ERA

construct Dewatering Pumping Station (World Bank Funded) Bompora Padshahi Bagh

Nowgam for public purpose over the land under khasra number 736,954 type of

land Shamatdeh (Banjes kadeem) measuring (sq. ft/sqm) 995 which is Shamatdeh land (Makhbuza

Malkaan). We voluntarily permit PIU to construct pumping Station for sub-

project Const. of Storm Water Drainage at Bompora Padshahi Bagh / Nowgam Srinagar under WB
funding.

Name: Gul Mohammad Dar

Signature:

Address: Nowgam

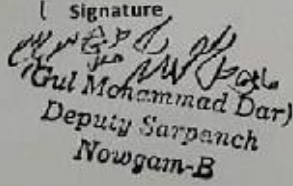
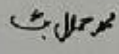
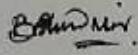
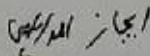

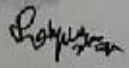
Mobile number
Gul Mohammad Dar
Deputy Sarpanch
Nowgam-B

Resolution

We, the people of Nowgam Panchayat/Ward, assembled at Padshahi Bagh today on 16.9.2020 for passing resolution under the chairmanship Gul Mohammad Dar for Dewatering Pumping Station proposed to be constructed under World Bank JTFRP

- That the proposed site for constructing pumping station is under khasra number 736-954 is shamlatdeh land (Makhbuza Malkaan/village land) as per revenue record.
- Although as per revenue record, it is under illegal occupation of some people. However, site proposed for construction of DPS under JTFRP is neither physically occupied by anyone nor anything is constructed over it.
- That on behalf of community we declare that we have no objection if PIU (JK ERA) construct Dewatering Pumping Station over it.

We welcome the decision of the PIU/PMU for constructing the DPS and we fully support this work under the World Bank funding.

Name:	Signature	Mobile number
1. Gul Mohammad Dar	 (Gul Mohammad Dar) Deputy Sarpanch Nowgam-B	9148588144
2. M. Jamal Bhat		9147326140
3. Bashir Ah. Mir		6043211210
4. Aijaz Ahmad Rahi (chairman local masjid community)		8715977041
5. Subhan Dar		—
6. Rajees Shango		9148832101

Appendix 6: Minutes of Meeting

15/9/20

Poonpora Panchayat Bardi (DPS) Minutes of Meeting

- 1) All localities of Poonpora Panchayat Bardi are suffering since decades because of waterlogging problems due to absence of sound drainage system.
- 2) People approached admin no. of times but might be because of funding, it could not be finalized.
- 3) There is no effective drainage system due to which streets become waterlogged usually throughout year.
- 4) We usually suffer from health problems like cholera, diarrhea, malaria, streets are full of foul smell & possibility of health problems can't be ruled out.
- 5) It has become nuisance for community. Those affected are school going children, old age persons & physically disable (differently able) people.
- 6) People are aware that land identified for town site is 'Shanidat Soti' & it's not physically occupied by anyone and Council can give it NOC for public purpose.
Pg. 1 of 2.



- 6) We request BZU/PNU to complete this project as soon as possible. we fully support this project.
- 7) Emergency household shall be thought to W.B. BZU & PNU.

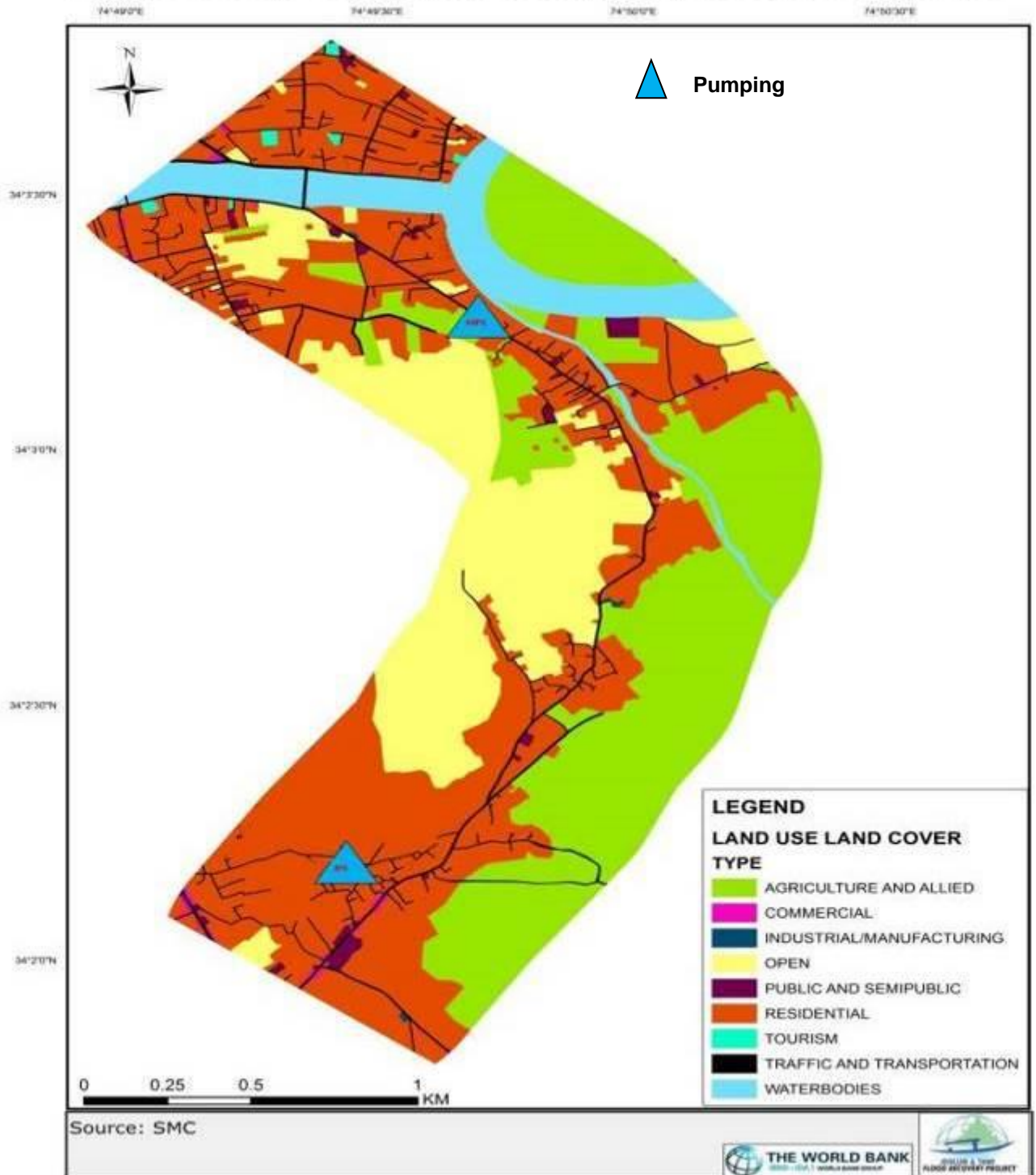
<u>Name</u>	<u>Signature</u>	<u>Address</u>
1. Bashim Ahmad Mir		Banpora Nowgam
2. Mr. Nabi Bhat		Nowgam (Banpora)
3. M. Amir Sheikh		Advent Colony Padshahbagh
4. Ab. Majeed Bhat		Advent Colony Padshahbagh
5. Junaid Khushheed		Advent colony Padshahbagh
6. Qusar Ahmed		Banpora Nowgam
8. Subhan Daw		Banpora nowgam
7. M. Jamal Bhat		Padshahbagh
8. Mr. Arshad		Padshahbagh
9. Rasool Ahmad		Padshahbagh
10. Aijaz Ah. Rahi		Padshahbagh
11. Muhammad Daw		Padshahbagh

Photographs



Appendix-7: LULC Map of the Proposed Construction of Storm Water Drainage Scheme Bonpora-Padshahi Bagh in Srinagar

Land Use land Cover Map: Nowgam Storm Water Drainage



Appendix-8: Revenue/Land Record (along with communication) of the Proposed Pumping Stations at Nowgam Bonpora and Padshahibagh, Srinagar with Translated copy (Urdu to English).



Government of Jammu & Kashmir
OFFICE OF THE TEHSILDAR CHANAPORA/NATIPORA
No: 745/N/TCH/18 Dated: 25/10/2018

The Executive Engineer,
City Drainage Civil Division,
SMC Srinagar.

Subject: - Drainage Scheme Nowgam Padshahi Bagh and Drainage Scheme Nadingund Nadroo under World Bank funding and providing of Revenue Extracts papers thereof.

Sir,

Kindly refer your office letter No. CDC-SMC/2018/3855-57 Dated: - 05/09/2018, wherein office of the under signed has been asked to provide the Revenue Papers with regard to the subject, in this regard kindly find enclosed here with the Extract of Jamabandi, Girdawari and Aksi Shajra duly verified by the under signed, the same is submitted for favour of further n/a.

Yours faith fully


Tehsildar
Chanapora/Natipora
Srinagar



Government of Jammu and Kashmir
Executive Engineer City Drainage Civil Division SMC Srinagar.

The Tehsildar, ✓
 Chanapora/South/Panthachowk
 Srinagar, J&K.

No:- CDC-SMC/2018/ 3855-57
 Dated: 05.09.2018

Subject:- Drainage Scheme Nowgam Padshaibagh and Drainage Schme Nadirgund Nadroo under world bank Funding and Providing of Revenue Extract papers thereof.

Sir,

Kindly find herewith the site plan showing the location of proposed dewatering stations for above mentioned drainage schemes to be taken under world bank, you are requested to kindly provide the Revenue Extracts in duplicate at an earliest for their onward submission to world bank for studying of Socio Economic Impact.

Yours faithfully


 Executive Engineer,
 City Drainage Civil Division,
 SMC Srinagar.

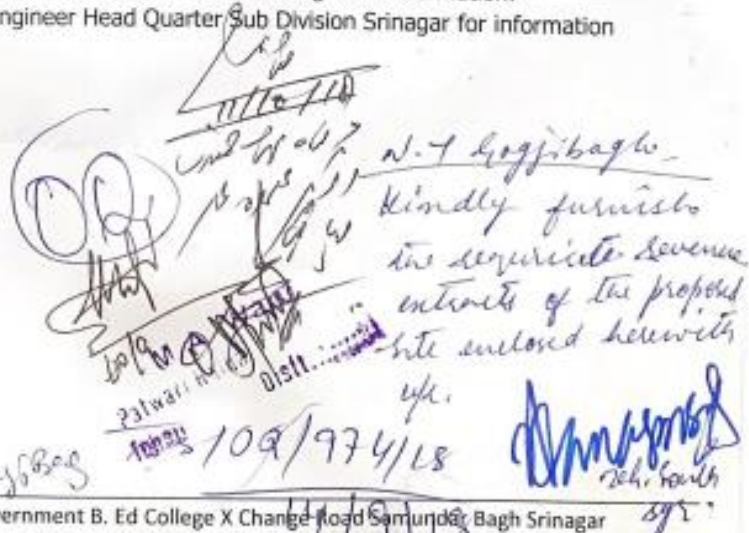
Encl. Site plans

Copy to the :-

1. Superintending Engineer Drainage Circle SMC Srinagar for information.
2. Assistant Executive Engineer Head Quarter Sub Division Srinagar for information and follow up action.
3. Office copy

No: 334/NTG
 Dt: 15-9-18

1352
 PHK/19/18
 for report as directed
 N.T


 N.T Hoggibaglo
 kindly furnish the requisite Revenue extracts of the proposed site enclosed herewith
 up.
 109/974/LS
 Distt. Srinagar
 SMC Srinagar

Revenue records of Nowgam Bonpora (Pumping Station).

انتخاب جمعہ پوری اشکھیت ابا بت موضع		نومقام		تحصیل مجاہد پور ضلع	
۱	۲	۳	۴	۵	۶
رقبہ کل	رقبہ کاشت	نام مالک معراجوال	نام کاشتکار معراجوال	رقبہ کاشت	رقبہ کل
۱۲۸۵	۸۶۵	سلمان رحمان صاحب	سید محمد رفیق صاحب	۱۰۶۵	۱۰۶۵
		دب برونار روغ	سید محمد رفیق صاحب	۱۰۶۵	۱۰۶۵
			سید محمد رفیق صاحب	۱۰۶۵	۱۰۶۵
			سید محمد رفیق صاحب	۱۰۶۵	۱۰۶۵
			سید محمد رفیق صاحب	۱۰۶۵	۱۰۶۵

نوٹ: اس کے ساتھ ساتھ رقبہ کاشت کا ایک اور قلم بھی ہے جس کا رقبہ ۱۱-۶-۱۸ ہے۔





۲۲/۱۰

۹/۱۱

TEHSILDAR

*Subsidiary Changanara
/ Nalpara (W*)

انتخاب خسرہ گرداوری موضع - روہم - تحصیل چانپورا

سلسلہ	رقبہ	تعداد	نام مالک معہ احوال	نام مالک معہ احوال	نمبر		
1 چانپورا روہم تحصیل چانپورا	19 16 15	16 - 17	حقیر ملک صاحب علاقہ روہم ولایت روہم	سلطان ولد صاحب مرقوم زرد صاحب	953		
			لوہا صاحب صاحب دست لودھی صاحب				
			18-10-18  9/A  9/A  9/A 				

ما سوائے
 اقصیٰ در درجہ کمال کے ہمراہ عملہ شی در پینج سو نوہم طلبہ
 صوفیہ میراثیہ تفریحی کتب خانہ کے قلمی شی ڈیوٹی کے
 ساتھ ساتھ ملاقاتی ریکارڈنگ کا نام نہ رکھا گیا ہے
 کہ جسے ۹۵۴ میں سے کروا دیا گیا
 کہ جسے ناسلامت و خطرناک ہے۔ صورت سے محفوظ
 مالکان کے دعوے کے مطابق وہ لوگوں کو اللہ کے فضل سے
 ولنگہ اللہ اللہ انسا لہ۔ جہاں نہ صوفیہ کا عنوان
 رہتا ہے نہ پرتار بنیاد ہے۔ پورٹ کونو
 Public Park کے طور پر استعمال ہونے لگا ہے اور
 شی ڈیوٹی کے دوران میں یہ کتب خانہ کے
 قلمی شی ڈیوٹی کے طور پر استعمال ہونے لگا ہے
 تو کوئی اور کام نہیں ہے۔

B.A. BHAI
 Patwari 11-8
 Tehsil _____

درجہ کمال کے
 ساتھ ساتھ ملاقاتی ریکارڈنگ کا نام نہ رکھا گیا ہے
 کہ جسے ۹۵۴ میں سے کروا دیا گیا
 کہ جسے ناسلامت و خطرناک ہے۔ صورت سے محفوظ
 مالکان کے دعوے کے مطابق وہ لوگوں کو اللہ کے فضل سے
 ولنگہ اللہ اللہ انسا لہ۔ جہاں نہ صوفیہ کا عنوان
 رہتا ہے نہ پرتار بنیاد ہے۔ پورٹ کونو
 Public Park کے طور پر استعمال ہونے لگا ہے اور
 شی ڈیوٹی کے دوران میں یہ کتب خانہ کے
 قلمی شی ڈیوٹی کے طور پر استعمال ہونے لگا ہے
 تو کوئی اور کام نہیں ہے۔

Submitted in original alongwith Shejara &
 Shejara duly countersigned by U/s. Is here
 by submitted for favour of further work.



تختاب جمع بندی املتختیت ابات موضع کرسر و درویشہ ہاں تحصیل سجاد پورہ ستر مرتبه سال

۱	۲	۳	۴	۵	۶	۷	۸	۹	۱۰	۱۱	۱۲
رتبه	رتبه کا نام	نام مالک معاہوال	نام کاشتکار معاہوال	دستاویز آپتیش	نام سر زمین مالکیت	رقبہ	رقبہ کا تقسیم	نفاذ کے لئے اس کا نام ہے	پتہ	مطالبہ پتہ کوئی معاہوال	جوار اقلات
۵	۳۲	شاہد علی صاحب رسو پورہ	حضر علی صاحب رسو پورہ	۱	۴۲۶	۶	۱۰	۱۰	۱۰	۱۰	۱۰
		مسز رولہ	درم پوران میدہ پورہ دینم پوران پورہ رولا صاحبہ ذمہ دار پورہ سرور علی صاحبہ ذمہ دار پورہ ساجد نوحہ صاحبہ ذمہ دار پورہ	مسز رولہ صاحبہ							
				مسز رولہ صاحبہ							
				مسز رولہ صاحبہ							

نمبر ۱۵۱۰۱ - نیشنل ایجوکیشنل ایسوسی ایشن، سجاد پورہ - ۳۳۴/۸۷۶۶ - ۱۵/۱۵/۱۵

Gurdwar Circle
District
Tehsil
Patwari
Distt
NAIB TEEL
GOGJI BAGH, S...

TILSILDAR SOUTH
SRINAGAR

فردا انتخاب خسرہ گرداوری با موضع کیرو پورہ ضلع سوات تحصیل ساہو سہ منڈی ضلع سوات

نمبر خسرہ	نام مالک معاہوال	نام کاشتکار معاہوال	رقبہ		قسم زمین	معرکہ	کیفیہ
			کنال	مرا			
۱۳۳۷	شاہد علی	حضور علی صاحب	۱	۴	سوقہ	۱	کاشت و کھیت
		سوال دینہ	-	۱۰	سوقہ	۱	کاشت و کھیت
			۱	۱۴			کاشت و کھیت

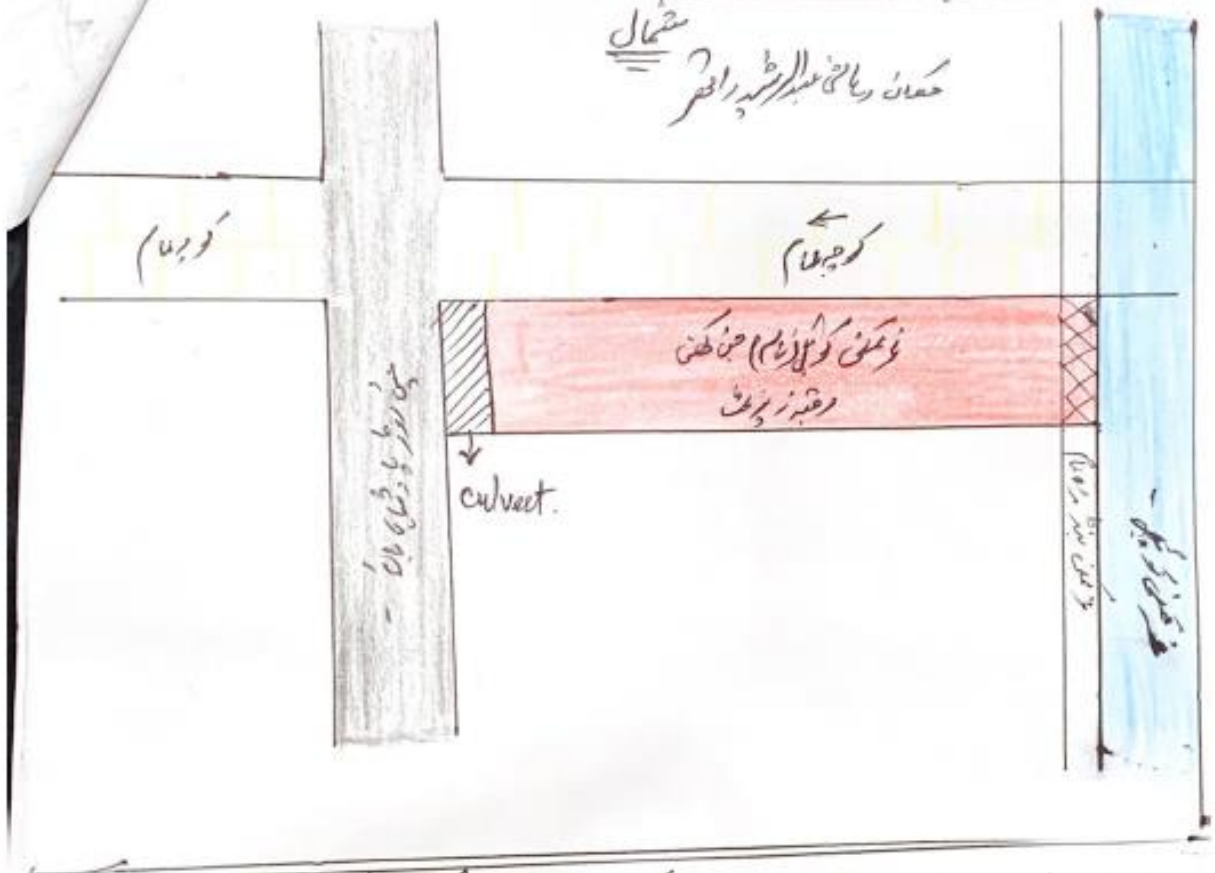
پریس مسٹر برادر شاہ صاحب جمنڈی منڈی گرداوری سوات

Patwari Bahadur
Tehsil

District Headquarter
Mardan

South
KATINAGAR

خاکہ درجہ الفتنہ درجہ باغ عین کوئی زمین نمبر ۲۷۶ (۲۷۶) اور درجہ اسویڈر ضلعہ باغ



نوٹ: خاکہ درجہ الفتنہ درجہ باغ عین کوئی زمین نمبر ۲۷۶ (۲۷۶) اور درجہ اسویڈر ضلعہ باغ

Patwari Name: *[Signature]*
 Tehsil: *[Signature]* District: *[Signature]*

MAIB TEHSILDAR
 GOGJI BAGH, SRINAGAR

[Signature]
 TEHSILDAR SOUTH
 SRINAGAR

Appendix-8: Translated Copy of Revenue Records of Land required for the construction of Major Pumping Station (MPS) at Padshahi bagh (page 1-3) and Intermediate pumping station (IPS) at Bonpora Nowgam (Page 4-6).

Translated Copy of Revenue Extract of land Required for the Pumping Station of proposed SWD Padshahi Bagh, Srinagar

Extract of Jamabandi (with facts) for the village: Kursoo Padshahi Bagh Tehsil: South Srinagar District: Srinagar

1	2	3	4	5	6	7	8	9	10	11	12		13	
											Mutation No.	Type		
Kehwat No (Owner's Holding s)	Khata No	Name of the Side	Name of the Owner	Name of the Tenant	Source of Water	Name of the Khasra with Plot Name	Plot Area with Type of the Land	Lagaan (tax & levies) which owner/tenant payees	Kind of Parta	Revenue Assessment with details			Remarks	
245	898	-	Shamilat Deh	Grazing Land In illegal possession of Sona, Ali & Raheem S/o: Mohda in equal of ½. Gulam Ismail and Rasul sons and Faezi D/o: of Mirza in equal of ½. Rather R/o: of this village (Illegal Occupants).	Nil	736	1 ¹ Kanal & 6 ² Marla (³ Banjar Kadeem and 10 Marla (Kul- Small Water Channel meant for minor irrigation purposes) Total Land: 1 Kanal 16 Marla	Payable from Tenant	Nil	Nil	Nil	Nil	Nil	Nil

Copy of this extract issued vide tehsil office No. 334/NTG dated: 15/07/2018 for further action.

¹ Kanal is a traditional unit of land area in Jammu & Kashmir. Under British rule the kanal and marla were standardized so that the kanal equals exactly 505.392 m² or 5440 ft² or equivalent to 1/8 acre

² In Jammu & Kashmir, 1 Marla equals 272 ft² or 25.269 m²

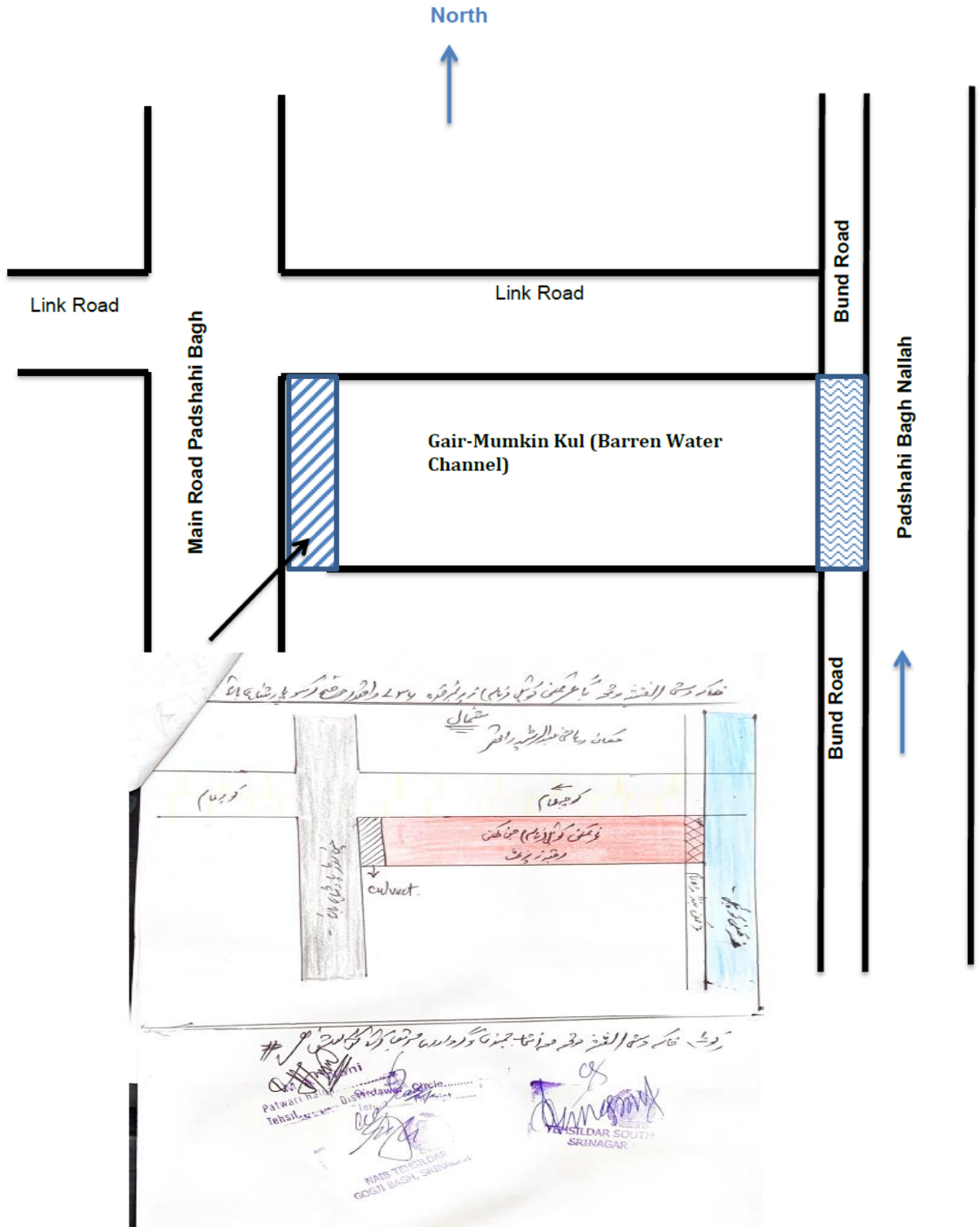
³ Banjar means uncultivated land and Banjar Kadim is "Old Fallow (if continued to be uncultivated for next four harvests (Source: jkfcir.nic.in/terminology.html

Extract of Khasra Girdawari (Harvest Inspection Register) for the Village: Kursoo Padshahi Bagh, Tehsil: South Srinagar, District: Srinagar

1	2	3	4		5	6			7
Survey No.	Name of the Owner	Name of the tenant	Area		Type of Land	Rabi (Spring Harvest)			Remarks
			Kanal	Marla		Type	Mutation	Cultivation & Tax/ Levies	
736	Shamilat Deh	Grazing Land in the illegal possession of Rasul etc.	1	6	(Banjar Kadeem) ⁴ Kul	Nil	-	-	-
			0	10					
			1	16					
<p>Note: Complete report on extract of Jamabandi (Record of rights/ land dues) as per above statement.</p>									

⁴ Kul- It is a small water channel traverse through the village and meant for the minor irrigation purposes.

Site map for the area in Kursoo Padshahi Bagh Srinagar under Survey No. 736



Translated Copy of Revenue Extract of land Required for the Dewatering Station of Proposed SWD Nowgam Bonpora, Srinagar

Extract of Jamabandi (with facts) for the village: Nowgam Tehsil: Chanapora District: Srinagar

1	2	3	4	5	6	7	8	9	10	11	12		13
											Mutation No.	Type	
Kehwat No (Owner's Holding s)	Khata No	Name of the Side	Name of the Owner	Name of the Tenant	Source of Water	Name of the Khasra with Plot Name	Plot Area with Type of the Land	Lagaan (tax & levies) which owner/tenant payees	Kind of Parta	Revenue Assessment with details	Mutation No.	Type	Remarks
895	1380		Shamilat Deh	Makbuza Malikaan (under the possession of Villagers) 16 Kanal 8 Marla And Abdul Gani S/o Lassa Wani (17 Marla) Abdul Aziz S/o Muhammad Wani (10 Marla)	1040	954	16 Kanal 19 marla Gair Mumkin Nambal 16 Marla (Mosque) 17 Kanal 15 Marla	Payable from Tenant					
Submitted for further necessary action dated 11/10/2018													
NAIB TEHSILDAR													
Tehsildar Chanapora Natipora													

TRANSLATED COPY OF REVENUE RECORDS- BONPORA NOWGAM

Sir,

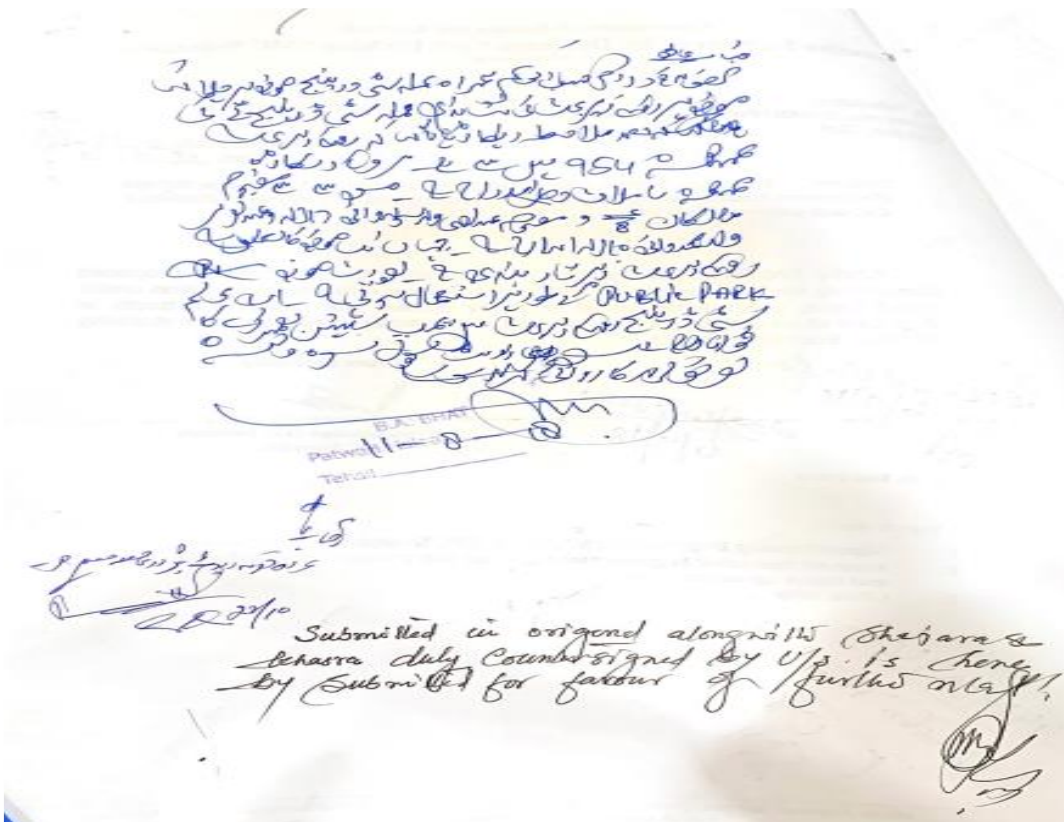
The undersigned visit the spot as per orders of the higher authorities' alongwith the concerned staff of the city drainage. At site, the staff of city drainage demarcated the required land. As per record, the required land is coming under Survey No. 954. As per record, the above Survey (Khasra) no. is Shamilat Deh land, which is under possession of villagers (Deh) having 16 Kanals and 8 Marla and Abdul Gani S/o Lassa Wani (17 Marla) and Abdul Aziz S/o Muhammad Wani (15 Marla).

As per site assessment, the area is under chain link fencing and this area is used as public park. Now the city drainage department is going to built a pumping station for the drainage.

Patwari Dated: 11/08/2018

Report of the Patwari is in detail

SD/ Girdawari



Extract of Khasra Girdawari (Harvest Inspection Register) for the Village: Nowgam, Tehsil: Chanapora, District: Srinagar

1	2	3	4		5	6			7
Survey No.	Name of the Owner	Name of the tenant	Area		Type of Land	Rabi (Spring Harvest)			Remarks
			Kanal	Marla		Type	Mutation	Cultivation & Tax/ Levies	
954	Shamilat Deh	Grazing Land in the illegal possession of Rasul etc.	16	19	(Banjar Kadeem)	Nil	-	-	-
			-	16					
			17	15					
<p>Note: Complete report on extract of Jamabandi (Record of rights/ land dues) as per above statement dated: 11/10/2018 Patwari NAIB TEHSIDAR Tehsildar Chanapora, Natipora Srinagar.</p>									

Handwritten text in Urdu at the top of the page, possibly a title or header.

Site for Intermediate Pumping Station (IPS) at Nowgam Bonpora

Handwritten calculations in Urdu:

$$18 \times 18 = 324$$

$$36 \times 18 = 648$$

$$54 \times 18 = 972$$

$$72 \times 18 = 1296$$

$$90 \times 18 = 1620$$

$$108 \times 18 = 1944$$



Handwritten text and signatures at the bottom of the page, including a signature in a circle and other illegible Urdu text.