

# ENVIRONMENTAL AND SOCIAL SCREENING REPORT

July, 2019

Project ID: P154990

**CONSTRUCTION OF SINGLE STOREY, 2-ROOM CLASSROOM BLOCK & ALLIED  
INFRASTRUCTURE AT GOVT GIRLS MIDDLE SCHOOL, PRAT, SUNDERBANI  
DISTRICT RAJOURI**

***Jehlum Tawi Flood Recovery Project  
(World Bank Project)***

**Prepared by:** PIU (R&B), Government of Jammu and Kashmir, Jammu for World Bank

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# ENVIRONMENTAL AND SOCIAL SCREENING REPORT

## EXECUTIVE SUMMARY

The devastating deluge of September 2014 had enormous negative impact on economic aspects of the state and massive infrastructure damages in which not only the major town but far flung area were also affected. In response to this tragedy, a mission of the World Bank visited the state during February 1-6, 2015 in order to produce a rapid multi-sectoral assessment report of the damages and needs. The RDNA estimates the total damages and loss caused by floods at about INR 211,975 million (US\$ 3,550.45 mn), most of it to housing, livelihoods, and roads and bridges, which combined represented more than 70% of the damages in terms of value. Public service infrastructure and equipment of hospitals and education centers were also severely damaged and are still not fully operational.

Based on the RDNA results, restoration works underway, and discussions with the GoJ&K, "Jhelum and Tawi Flood Disaster Recovery Project (JTFRP)" will focus on restoring critical infrastructure using international best practice on resilient infrastructure. One of the sectors badly hit during the floods was School Education Infrastructures. The restoration/reconstruction of these damaged schools has been included in Component-1 of the World Bank investment plan of INR 5043.75 Lacs under JTFRP. The Govt. Girls Middle School, Prat located in Panchayat Channi of Rajouri Distt, 8 kms North of Sunderbani town has been identified among 74 nos. schools in Jammu division severely affected by continuous spell of torrential rains from September 2nd to 6th 2014. Walls of the main building block developed cracks due to ground settlement during this period. Due to repeated rains thereafter, the condition of the main block further deteriorated making it unfit for teaching the students during the rains. It has necessitated the construction of a new single story block with 2 nos class rooms with Verandah having raised Plinth and 2 new toilet blocks one for boys and the other for girls costing Rs. 60.56 Lakhs.

Subprojects 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 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 impact studies. Public consultation was conducted at the project location on 10th August, 2018 with local people as part of environment and social screening study. People have expressed keen interest in the proposed subproject during the Public consultation. People in general were very enthusiastic about the benefits of the subproject. The Views, Suggestions and specific needs of School as expressed by teachers and citizens of the area during public interactions have been considered in framing the proposals for reconstruction of school building.

The screening study reveals that there are no likely significant Social and Environmental impacts.

# 1. INTRODUCTION

## 1.1 PROJECT BACKGROUND

1. The Jammu & Kashmir region owing to its geographical and geo-climatic setting is a multi-hazard prone region that has experienced natural disasters like earthquakes, floods, landslides, avalanches, high velocity winds, and snowstorms. Floods and flash floods are a frequent feature owing to topographical characteristics of the region. Floods generally occur between late June to September when the major rivers are already swollen with melting snow and followed by heavy rains. Flooding of the rivers Jhelum and Tawi and their tributaries is the main cause of floods in the region. The rain fed rivulets and streams pose much bigger threat to its surroundings in rainy season as compared to bigger rivers due to lesser water carrying capacity and tendency to breach the banks.

2. In September 2014, the northern region of India experienced unprecedented torrential monsoon rains causing major flooding in rivers and mainland. It triggered massive landslides, washing away of bridges, roads, buildings and irrigation canals etc. The continuous spell of rains from September 2nd to 6th, 2014, caused Jhelum, Chenab and Tawi Rivers as well as many other streams/tributaries to flow much above the danger mark. The Jammu district received 467.3mm of rainfall in Sept 2014, which exceeds normal by 339%. Similarly Rajouri District received 487.5mm of rainfall which is 386% in excess of the normal (source-Indian Meteorological department website). 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.

3. A Joint team led by the Department of Economic Affairs (DEA), GoI, with representation from the World Bank visited J&K on October 21, 2014. Subsequently, GoI has sent a request to the World Bank on January 5, 2015 to field a Joint Rapid Damage and Needs Assessment (RDNA) Mission within the State. In response, a mission of the World Bank visited the state during February 1-6, 2015 in order to produce a rapid multi-sectoral assessment report of the damages and needs. The RDNA estimates the total damages and loss 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. Public service infrastructure and equipment of hospitals and education centres were also severely damaged and are still not fully operational.

4. Based on the RDNA results, restoration works underway, and discussions with the GoJ&K, the project will focus on restoring critical infrastructure using international best practices 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.

5. The project is comprised of the following seven components:

- (i) Reconstruction and strengthening of critical infrastructure (US\$60 million)
  - (ii) Reconstruction of roads and bridges (US\$80 million)
  - (iii) Restoration of urban flood management infrastructure (US\$50 million)
  - (iv) Strengthening and restoration of livelihoods (US\$15 million)
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- (v) Strengthening disaster risk management capacity (US\$25 million)
- (vi) Contingent Emergency Response (US\$0 million)
- (vii) Implementation Support (US\$20 million)

## 1.2 PROJECT DEVELOPMENT OBJECTIVE

6. The project development objective is to support the recovery and increase disaster resilience in project areas, and increase the capacity of the Project Implementing Entity to respond promptly and effectively to an eligible crisis or emergency. The primary beneficiaries would be the communities in the districts that were affected by loss of public service infrastructure that will be restored and improved under the project. By strengthening disaster risk management systems and institutions, the project will benefit the entire affected region.

## 1.3 SUBPROJECT BACKGROUND

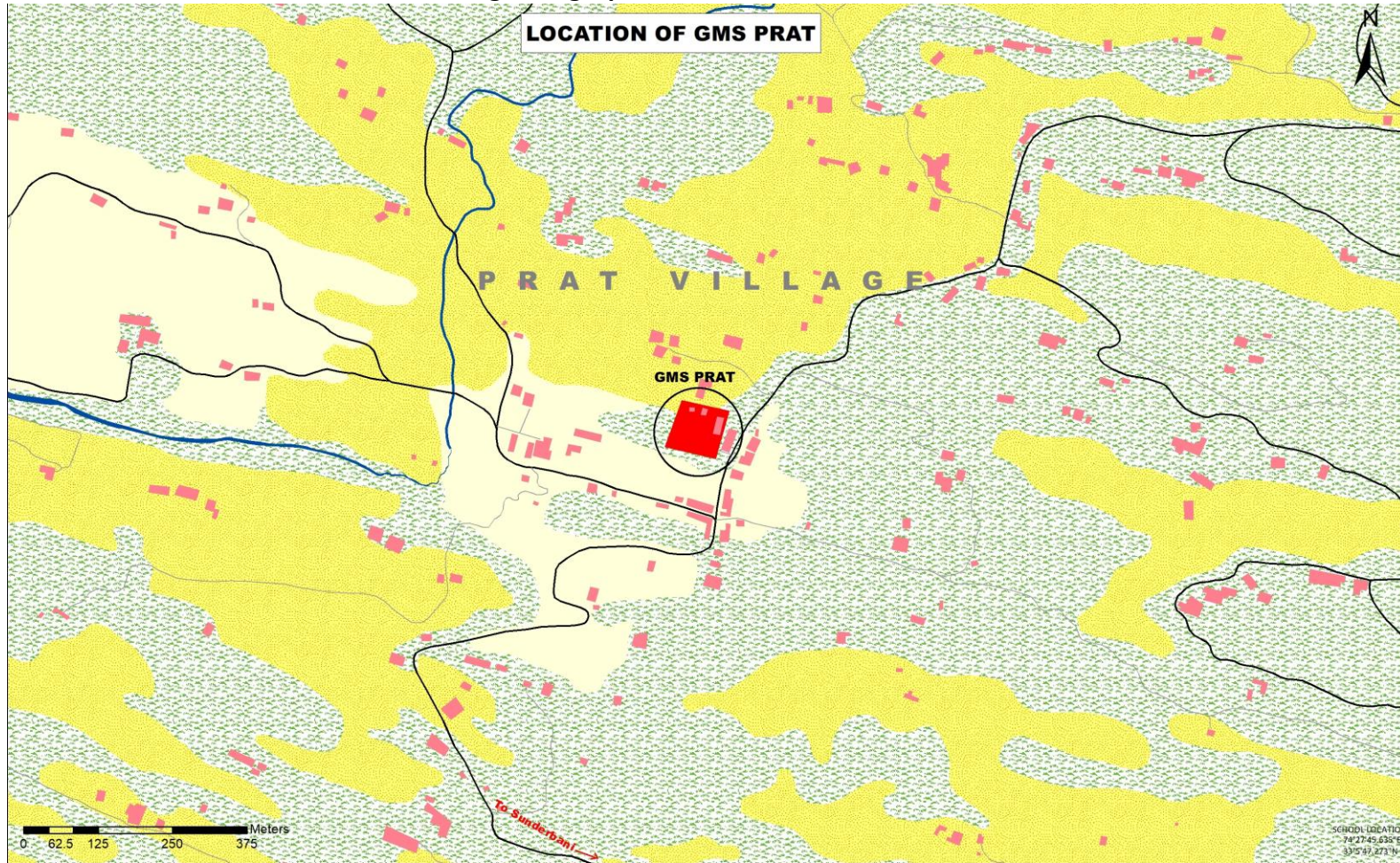
7. Under the Component-1 of the Jhelum-Tawi Flood Recovery Project (JTFRP) which envisages reconstruction and strengthening of critical infrastructure severely affected by the floods in September- 2014, viz. School Buildings, Hospitals, Fire Stations and other important public assets, the School Education Department has proposed inclusion of 165 Nos. schools in Jammu and Kashmir divisions in the above programme, of which 74 Nos. school complexes are located in Jammu division. The scope of the work broadly includes restoration of partially damaged structures and reconstruction of fully damaged structures together with the restoration of equipment and furniture in the school complexes comprising primary, middle and higher secondary schools. The proposal includes construction of 2-Rooms, 3-Rooms, 4-Rooms and 6-Rooms buildings with tentative areas of 1000 sqft, 1500 sqft, 2000 sqft and 3000 sqft respectively.

## 1.4 SUB-PROJECT DESCRIPTION

8. The Govt. Girls Middle School, Prat is situated 8 kms North of Sunderbani town in Channi Panchayat of Nowshera Constituency in Rajouri Distt. 39 male students and 37 female students are enrolled in the school. The site falls in Khasra No. 431 of block Siot with the geographical location as 74o 04 6' longitude and 33o 00 9' latitude. The school site is situated on the left side of Thandapani-Saheri-Sarhoti-Teryath Road in KM 5th. A small seasonal Nallah flows adjoining to the school premises. The school premise is surrounded by cultivated land and the area is thickly populated. The market is situated at a distance of 200mtrs. The school complex has a large complex area (4095.16 Sq. m.), comprising of 1 nos. of main building blocks having 4 classrooms, 1 office/staff room and a kitchen block. In addition there is 1 cluster room and a Computer Lab. 4 classroom block is not fit for use during rains as the rain water pours inside more than outside. The wooden sealing of the building is rotten. The joinery work has been completed damaged. The flooring has given way. During rain the building is abandoned by the staff and students and all the students are adjusted in cluster room and Computer Lab. The sanitation facility includes 2 Toilet blocks, 1 each for male and female, with a small septic tank but all of this is in dilapidated condition. The school has no water supply. The water is being fetched from a hand pump about 100mtrs from school. There is no electrification in the school except office/staffroom. A new single-storey 2-room classroom block with front Verandah 2.5 m wide and raised plinth level. 2 new Toilet block for girls and boys with a septic tank are currently proposed in the school. Photographs during site visit are provided as Appendix-B.



Fig: Geographical location of GMS Prat



Legend		

**Project:** JHELUM TAWI FLOOD RECOVERY PROJECT  
**Sub-Project:** RECONSTRUCTION OF GMS PRAT  
 RAJOURI DISTRICT  
**Agency:** PIU R&B DEPT(DIVISION - NOWSHERA)  
**Source:-** Satellite Imagery / Primary surveys



## **2. OBJECTIVE OF THE ENVIRONMENTAL AND SOCIAL SCREENING**

9. Environmental and Social screening procedure aims to provide project developers with a set of tools and guidelines that enables to identify and manage environmental and social risks that could be associated with a proposed project (Appendix A). The aspect of screening focuses on the possible environmental and social costs of development and may highlight the need for environmental/social review and management. As a consequence, the outcome of the screening process leads to an enhanced environmental and social sustainability of a proposed project.

10. The Jhelum and Tawi Flood Recovery Project has been undertaken with the prime objective of a long term and disaster resilient redevelopment in project areas of J&K state with diverse and ecologically sensitive topography. The screening process, therefore, will help to quickly identify those projects where no potential environmental and social issues exist, so that only those with potential environmental and social implications will undergo a more detailed and rigorous screening and thus will support design and implementation of the quality projects in a timely manner.

### **2.1 ENVIRONMENTAL FINDINGS**

11. The proposed reconstruction at Govt. Girls Middle School Prat, Sunderbani is of extremely low magnitude involving low scale construction activities. Therefore, prima facie no environmental impact of significant or irreversible nature appears to occur. If there are any environmental impacts during the period of construction of school, these shall be insignificant, temporary, and limited to the confines of the school complex and its immediate surroundings. The impacts of such nature would be mitigated suitably by adopting appropriate construction practices and management during the execution of the sub-project. Utmost attention will give to the development of the sound Environmental Management Plan which will provide specific actions deemed necessary to assist in mitigating the environmental impacts, guide the environmentally-sound execution of the sub-project, and ensure efficient lines of communication between the implementing agency, project management unit and contractors. The EMP shall be included in the bid document as a mandatory contractual clause and will be reviewed periodically to ensure environmentally sound execution of the proposed sub-project.

12. There are also no constraints either on account of forest areas or environmental sensitivity of areas like wildlife areas, areas with threatened or endangered endemic species etc due to nonexistence of such areas around the project site.

### **2.2 SOCIAL ISSUES**

#### **2.2.1 LAND ACQUISITION**

13. The proposed sub-project does not involve any land acquisition as the sub-project involves construction of new infrastructure facility on government land (Appendix A). The revenue record clearly states that school is already functioning on the government land and the proposed sub-project will come up inside the existing school.

#### **2.2.2 ISSUES OF LIVELIHOOD**



14. No adverse impact on the livelihood of anyone envisaged during screening exercise either temporary or permanent. The proposed sub-project will create direct and indirect employment opportunities.

### **2.2.3 ENVIRONMENT AND SOCIAL MONITORING PLAN**

15. Environment & Social Management Plan which will provide specific actions deemed necessary to assist in mitigating the environmental impacts, guide the environmentally-sound execution of the sub-project, and ensure efficient lines of communication between the implementing agency, project management unit and contractors. The ESMP shall be included in the bid document as a mandatory contractual clause and will be reviewed periodically to ensure socially & environmentally sound execution of the proposed sub-project.

### **2.3 PUBLIC CONSULTATION**

16. Discussions involving the staff, students of Govt. Girls Middle School Prat, Sunderbani and local inhabitants have been organized in the proposed school site on 10th August, 2018. The participants were apprised of the need of the public consultation and feedback mechanism in the development process in general and particularly in the backdrop of the sub-project of the School Education Department under JTFRP. The background of the JTFRP with its objectives and social policy, its assistance & funding from the World Bank, and project implementation was discussed briefly. They were shown proposed drawings and various components of the proposed plan with its merits. Attendance sheet during public consultation has been provided as Appendix-C.

#### **Consultation Proceedings Summary**

- Proposed reconstruction plan of the school, emphasizing its modern design criteria and standards with respect to disasters as per the specific objective of the project.
- Whether the proposed construction addresses the requirement of the school.
- Mandatory requirement of Environmental & Social screening and how it would benefit the communities in the long run.
- Adverse direct or indirect impacts caused due to construction activities and mitigation measures through EMP.
- Aspect of environmental protection and conservation with respect to environmentally sensitive areas.
- Whether any loss of business/livelihood could occur in the community during course of construction.
- How public could monitor sub-project execution and submit complaints through public grievance redressal system.

#### **Outcome and suggestions received from the Public Consultation**

- The meeting sparked high interest among the participants who welcomed the proposed development initiative through the sub-project under JTFRP in the village of Prat. They took this opportunity to express their disenchantment in view of the lingering problems faced by them relating to infrastructural inadequacy in the school complex.
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- The school staff and the inhabitants conveyed their apathy during rain and especially in monsoon rainy season the normal school functioning remains suspended and the school operates from cluster rooms and computer lab only.
  - The school staff brought to light the inconvenience faced in the operation of school in view of the shortage of the classrooms where they have to teach 9 classes including pre-primary and urged that proposed reconstruction plan be constructed in shortest possible time.
  - The staff and students complained dilapidated condition of toilet blocks that too without any water supply.
  - The staff and students complained of non-availability of electricity. They have to sit in the classrooms in summer without fans.
  - They also reported shortage of furniture like desks etc.
  - Staff complained of non-availability of water in the school. It was told that the water is being fetched from a hand pump installed about 100mtrs away from school for drinking and cooking of midday meals.
  - They demanded provision of a kitchen as the existing kitchen shed is inadequate to store ration and utensils for mid-day meal.
  - School staff, students and inhabitants demanded for construction of compound wall and development of playground.
  - The staff complained that the computer lab is there but all the computers are out of order.
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## Environment and Social Screening

## Part A: General Information

<b>Name of the Sub-Project</b>	CONSTRUCTION OF SINGLE STOREY, 2-ROOM CLASSROOM BLOCK & ALLIED INFRASTRUCTURE AT GOVT GIRLS MIDDLE SCHOOL, PRAT, SUNDERBANI RAJOURI DISTRICT.	
<b>1. Type of proposed activity</b> (tick the applicable option and provide details)		
• Road		-
• Bridge		-
• Fire Station		-
• Hospital/Health Facility		-
• Educational Institute		GIRLS MIDDLE SCHOOL
• Building for Livelihoods		-
• Flood Infrastructure Related		-
• Other Public Building		-.
• Any Other (Please Specify)		-
<b>2. Location of the proposed sub-project</b>		
• Name of the Region	JAMMU & KASHMIR	
• Name of the District	RAJOURI	
• Name of the Block	SIOT	
• Name of the Settlement	PRAT	
• Latitude	33 <sup>0</sup> 09'N	
• Longitude	74 <sup>0</sup> 46'E	

<b>3a. Proposed Nature of Work (tick the applicable options)</b>	
• Minor Repairs	-
• Major Repairs/Rehabilitation	
• Upgrading/Major Improvement	-
• Expansion of the facility	-
• New Construction	✓
• Any Other	-
<b>3b. Size of the sub-project</b> (approx. area in sq. mt/hac or length in mt/km, as relevant)	4095 sq. m
<b>4. Land Requirement (in hac./sq.mt.)</b>	
• Total Requirement	Nil
• Private Land	Nil
• Govt. Land	Nil
• Forest Land	Nil
<b>5. Implementing Agency Details (sub-project level)</b>	
• Name of the Department/Agency	PIU - R&B Department, PWD Division Nowshera
• Name of the contact person	MR MOHD PARVAIZ
• Designation	EXECUTIVE ENGINEER
• Contact Number	9419136296
• E-mail Id	
<b>6. Screening Exercise Details</b>	

• Date on which it was carried out	22-12- 2018
• Name of the Person	Vikash Sharma/ Charanjeet Singh
• Contact Number	+919419125803, +91 9419893392
• E-mail Id	<a href="mailto:sharmasociologist@gmail.com">sharmasociologist@gmail.com</a> , <a href="mailto:jcharan.sim@gmail.com">jcharan.sim@gmail.com</a>

**Part B (1): Environment Screening**

Question	Yes	No	Details
<b>1. Is the sub-project located in whole or part within 1 km of the following environmentally sensitive areas?</b>			
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 fauna (outside protected areas)		No	-
i. Area with threatened/rare/ endangered flora (outside protected areas)		No	-
j. Reserved/Protected Forest		No	
k. Other category of Forest		No	-
l. Wetland		No	-
m. Natural Lakes		No	-
n. Rivers/Streams		No	-
o. Swamps/Mudflats		No	-

p. Zoological Park		No	-
q. Botanical Garden		No	
<b>2. Is the sub-project located in whole or part within 500 mts. of any of the following sensitive features?</b>			
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		No	-
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?	1.0 m below Plinth level.		
4. Is any scheduled/protected tree like Chinar, Mulberry or Deodar likely to be affected/ cut due to the project?		No	
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	No
5.	ASI (Centre/State) Permission Required	No
6.	Permission from ULB/Local Body/Department Required	Yes

7.	Any other clearance/permission required	No
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**Part C (1): Social Screening**

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



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

Sl. No.	Result/Outcome	Outcome
1.	Answer to all the questions is 'No'	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)	NIL
3.	Answer to any question is 'Yes' and the sub-project affects more than 200 people (i.e. either complete or partial loss of assets and/or livelihood)	NIL

**Outcome**

The proposed sub-project will not have any significant environmental & social impact because the project will not involve diversion of forest land, destruction of ecological resources and major Environmental threat/risk. The sub-project does not involve any acquisition of land, demolition or removal of structures, loss of crops /trees, loss of employment / livelihood and does not affect tribal/caste communities; hence no EIA/SIA/RAP is required. However, preparation and implementation of ESMP is required.

**Statutory Clearances/ No Objection Certificate**

Only Statutory clearances and NOC's / PUC's for establishment/operation of batching plant, stone crushers, and generators.



## Translated Revenue Record

**Nakal khasra girdwari at village – Prat, Teshil- District-**

1 Number Khasra	2 Name of Owner	3 Name of Tenant	4 Area		5 Type of Land/Existing
			K	M	
431	Government Land	Girl School	08	02	School
<b>Total</b>			<b>08</b>	<b>02</b>	

Copy is true

Sd  
Patwari



Collector  
Economic Reconstruction Agency  
J&K, Jammu

Public Consultation





## Signature Sheet

### JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP), GOVT.OF J&K

#### LIST OF PARTICIPANTS IN PUBLIC CNTATION WITH SIGNATURE

SUB PROJECT NAME: - Construction of 2 Nos Classrooms in Govt. Girls Middle School Prat

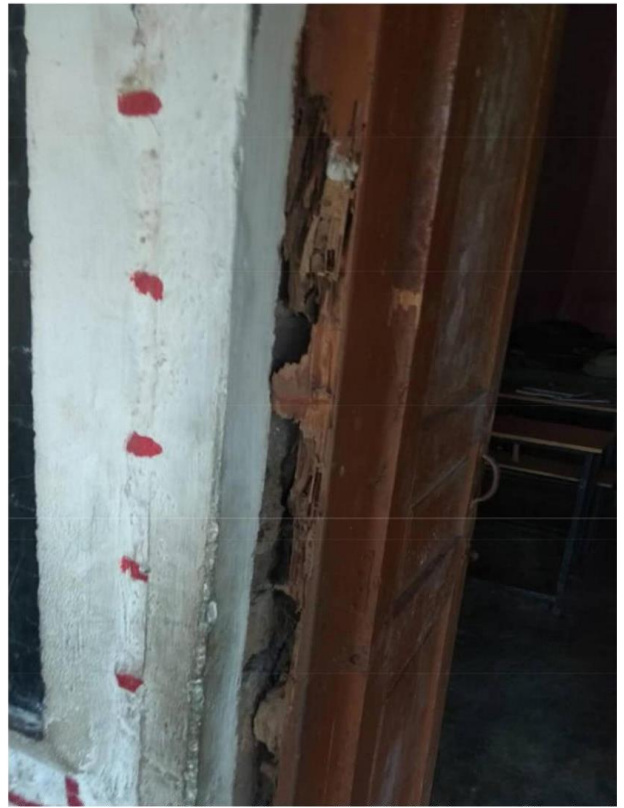
LOCATION OF MEETING/CONSULTATION: - Govt. Girls Middle School Prat

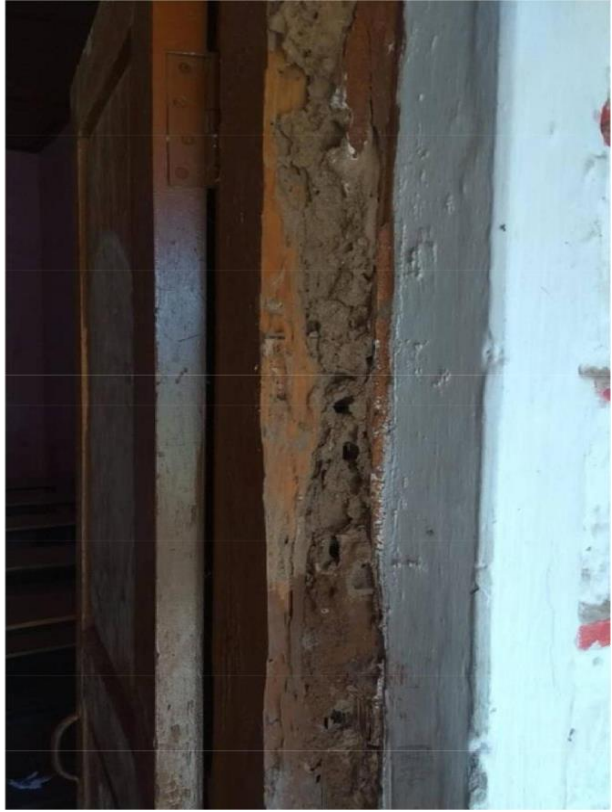
DATE AND TIME: -

S.NO	NAME	AGE/SEX	OCCUPATION	ADDRESS	SIGNATURE
1.	Raj Rani	56/F	Master	Sunderbani	Raj Rani
2.	Rajni Sharma	53/F	Teacher	Prat	Rajni
3.	Pritna Gupta	40/F	Teacher	Sunderbani	Pritna
4.	Shashi Kumari	35/F	Teacher	Marchole	Shashi
5.	Meena Sharma	36/F	Teacher	Prat	Meena
6.	Ashoo Bala	42/F	Teacher	Sunderbani	Ashoo
7.	Jeevan Singh	56/M	PET	Sunderbani	Jeevan Singh
8.	Uzma Mughal	12/F	Student	Marchole	Uzma Mughal
9.	Nishu Thakur	14/F	Student	Prat	Nishu Thakur
10.	Insha Fatima	10/F	Student	Marchole	Insha Fatima
11.	Ashwani Kumar	27/M	Prat	Prat	Ashwani Kumar
12.	Mulakh Raj	40/M	Shopkeeper	Prat	Mulakh Raj
13.	Notar Khajuria	61/M	Agr.	Prat	Notar
14.	Sunil Kumar	45/M	Shopkeeper	Prat	Sunil
15.	Haman Lal	46/M	Farmer	Prat	Haman Lal
16.	Pritam Sharma	53/M	Farmer	Prat	Pritam
17.	Pushap Kumar	52/M	ex. Sasfarah	Prat	Pushap Kumar



## Damaged infrastructure









**Available land for Construction of proposed building**