

Environmental and Social Screening Report

December, 2019

Project ID: P154990

Construction of Single Storey Three nos Class Rooms and Allied Infrastructure at Govt Higher Secondary School Gambir Mughlan, Rajouri (Jammu, J&K)

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

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

ENVIRONMENTAL AND SOCIAL SCREENING REPORT

EXECUTIVE SUMMARY

1. The devastating deluge of September 2014 had enormous negative impact on economic aspects of the Union territory (erstwhile 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 Union territory (erstwhile 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 centers were also severely damaged and are still not fully operational.

2. 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. Higher Secondary School Gambir Mughlan located in village Gambir Mughlan of Rajouri District 30 kms South of it, has been identified among 74 nos. schools in Jammu division severely affected by continuous spell of torrential rains during September 2014. One Block of the school complex was damaged due to differential settlement during the incessant rains causing suspension of the school activity in that period. Because of unsafe structural condition of this block, a new single story building with 03 nos rooms and a new toilet block have been proposed costing Rs 64.75 lacs.

3. 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 19th March 2019 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.

4. The screening study reveals that there are no likely significant social & Environmental issues associated with the execution of the proposed subproject. Land required for proposed subproject is in possession of school. The land parcel of land has been donated by Smt. Roshan Bano and Faroz Bano in favour of Education Department J&K (Appendix-B-Land Revenue Document in favour of School (Education Dept. of J&K).

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 487.5 mm 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 Union territory (erstwhile state). In response, a mission of the World Bank visited the Union territory (erstwhile 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 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 Union territory (erstwhile 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 Union territory (erstwhile state) to increase resilience. 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)
- 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

5. 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.

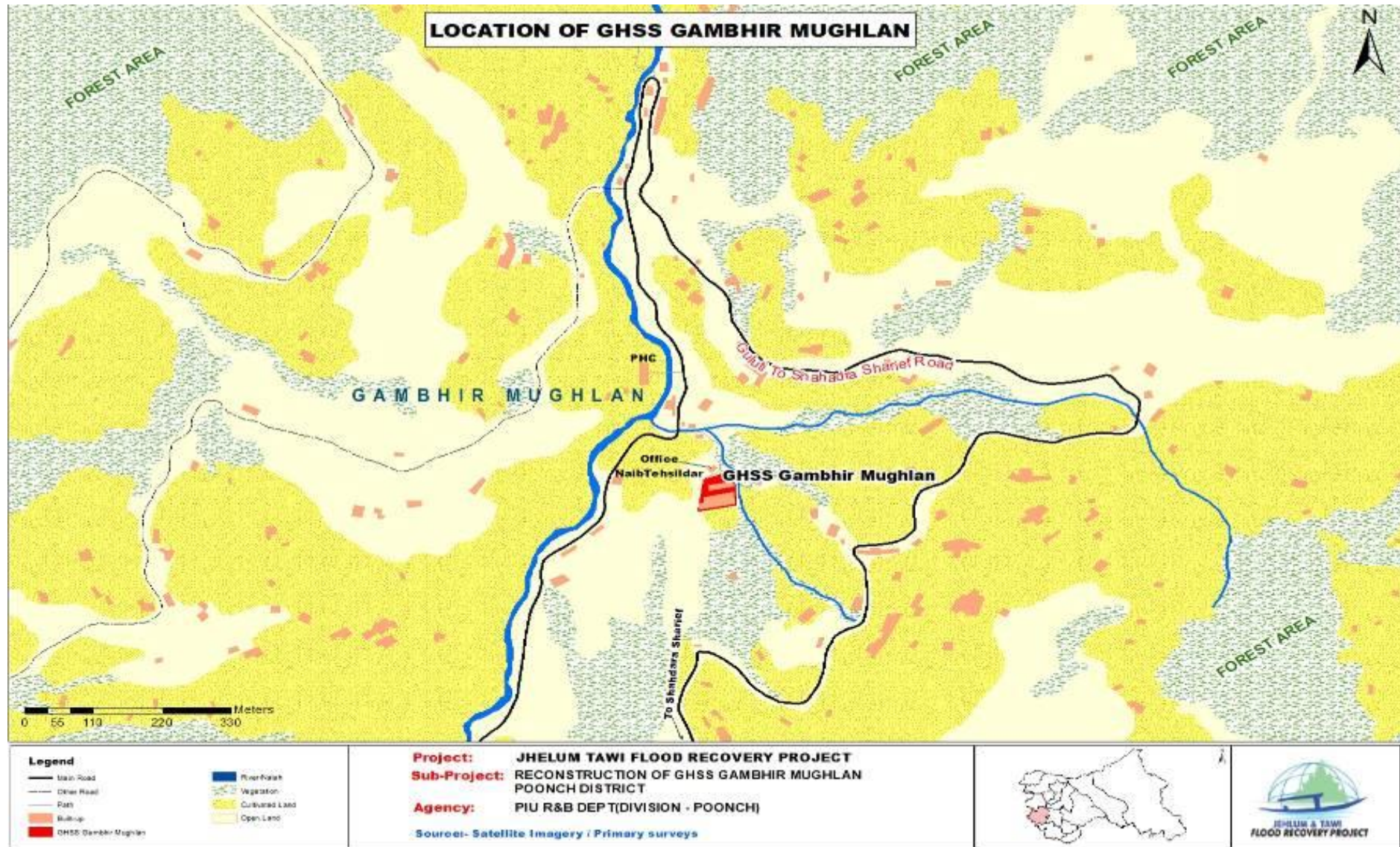
1.3 Subproject Background

6. 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:

7. The Govt. Higher Secondary School Gambir Mughlan, Rajouri is situated at 30 kms from Rajouri near PHC Gambir Mughlan of Rajouri district. The site falls in Khasra No. 767 of Gambir Mughlan village with the geographical location as 74.307222"longitude, 33.529167 "latitude. The school site is situated on the left edge of the local Nallah with open / agricultural land both side.

Fig: GIS map of the Gambhir Mughlan School



8. The existing school complex with 187.11 Sqm, area, is situated on the hill slope in two terraces. The upper terrace has 3 nos. building Blocks, having 4 class rooms, one library and one office room, and lower terrace has one building block (G+1) comprising 5 nos rooms out of which 3 nos. rooms on ground floor had developed cracks in the wall due to settlement as a result of continues spell of rain during sept 2014. The Sanitation facility in the form of two toilet blocks are present, one of which is in bad shape. Solid wastes generated in the school and surrounding area are disposed either by dumping in the surroundings or by burning. The school has a water supply connection of PHE Deptt which meets the requirement adequately. The strength of the male students is 180 and female students are 120.

9. The proposed construction plan comprises of the following components:-

- i. A new single-storey 3-room classroom blocks with front verandah 2.5 m and staircase.
- ii. A new Toilet block with septic tank and a soak pit.
- iii. Demolition of unsafe existing school building and removal of debris.

2. Objective of the Environmental and Social Screening

10. Subprojects under “Jhelum and Tawi Flood Recovery Project” commonly known as JTFRP 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. Based on this assessment, sub-projects with potentially significant environmental/ social issues are identified at an early stage for detailed Environmental/ Social assessment.

2.1 Methodology of Environment and Social Screening Study

11. The environment and social screening for the subproject has been carried out at the site by making use of a Environment and Social Screening **Checklist (Appendix–A)** that contains the relevant questions for identification of anticipated environment and social issues due to execution of the subproject

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

13. 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 Union territory (erstwhile 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 and sound manner.

2.2 Environmental and Social Issues

2.2.1 Environmental Issues

14. The proposed reconstruction at Govt. Higher Secondary School, Gambir Mughlan 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.

15. Although the proposed site has forest areas within 1 km, yet no significant impacts are deemed during the execution of the construction. There are no constraints on account of 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.

2.3 Social Issues

2.3.1 Land Acquisition

16. No land acquisition either government or private is required for the proposed sub-project. The proposed sub-project will be constructed inside the existing school premises. The land for school was donated by Smt. Roshan Bano and Faroz Bano of their equal share in favour of the school through Education Department of J&K for community welfare. The revenue documents has been obtained and provided as **Annexure B** followed by its translations in English.

2.3.2 Issues of Livelihood

17. There is 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. 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.

18. Skilled and unskilled labours will be required daily at least for entire contract period thereby creating employment for the labours from local area and outside.

2.3.3 Public Consultation

19. Discussions involving the staff, students of Govt. Higher Secondary School, Gambir Mughlan and local inhabitants have been organized in the proposed school site on 19th March 2019 (**Appendix C**).

2.3.4 Issues Discussed

20. 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.
- Proposed reconstruction plan of the school.
- Whether the proposed construction addresses the requirement of the school.
- Requirement of Environmental & Social screening.

- ESMP and its requirement.
- Aspect of environmental protection and conservation with respect to environmentally sensitive areas along with historical, cultural or religious monuments in the proximity of the school complex.
- Proposed Grievance Redressal Mechanism.

2.3.5 Outcome and suggestions received from the Public Consultation

21. The meeting sparked high interest among the participants and they welcomed the proposed development initiative under JTFRP in the village of Gambir Mughlan.

- The school staff and the locals assured full support during execution of the sub-project but requested that it should be completed in the in the fixed timeline.
- The staff and students also complained of inadequate existing toilets facility and suggested construction of more toilets.
- The school staff urged that proposed structure be constructed in shortest possible time.
- The public / school staff / students were generally of the view that impacts of the proposed construction shall be of minuscule magnitude and would only bring about inconvenience of a temporary nature vis-à-vis long term benefits it will bring to the village.

2.3.6 Environment and Social Management Plan

The screening exercise although does not envisaged any adverse social/environmental impacts but an Environment & Social Management Plan (ESMP) will be prepared and implemented to meet unforeseen impacts, it will provide specific actions deemed necessary to assist in mitigating the environmental/unanticipated social impacts. It will guide the environmentally and socially sound execution of the sub-project, and will 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.

Environment and Social Screening

Part A: General Information

Name of the Sub-Project	Construction of single storey three nos class rooms and allied infrastructure at Govt. Higher Secondary School Gambir Mughlan, Rajouri	
1. Type of proposed activity (tick the applicable option and provide details)		
• Road		-
• Bridge		-
• Fire Station		-
• Hospital/Health Facility		-
• Educational Institute	<input checked="" type="checkbox"/>	Higher Secondary School
• Building for Livelihoods		-
• Flood Infrastructure Related		-
• Other Public Building		-
• Any Other (Please Specify)		-
2. Location of the proposed sub-project		
• Name of the Region	JAMMU & KASHMIR	
• Name of the District	RAJOURI	
• Name of the Block	Gambir Mughlan	
• Name of the Settlement	Gambir Mughlan	
• Latitude	33.529167 "	
• Longitude	74.307222"	
3a. 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"/>	
• Any Other	-	
3b. Size of the sub-project (approx. area in sq. mt/hac or length in mt/km, as relevant)	187.11 Sqm	
4. Land Requirement (in hac./sq.mt.)		
• Total Requirement	Nil	
• Private Land	Nil	

• Govt. Land	Nil
• Forest Land	Nil
5. Implementing Agency Details (sub-project level)	
• Name of the Department/Agency	PIU - R&B Department, Division Rajouri, (Under JTFRP)
• Name of the contact person	Mohd. Zubair
• Designation	Executive Engineer
• Contact Number	9419635105
• E-mail Id	pwddivisionrajouri@gmail.com
6. Screening Exercise Details	
• Date on which it was carried out	19-03- 2019
• Name of the Person	Charanjeet Singh/Vikash Sharma
• Contact Number	9419893392/9419125803
• E-mail Id	jcharan.sim@gmail.com jkerasocial@gmail.com

Part B (1): Environment Screening

Question	Yes	No	Details
1. Is the sub-project located in whole or part within 1Km of any of the following sensitive features?			
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	Yes		Approx. 500 m from the school complex.
l. Wetland		No	-
m. Natural Lakes		No	
n. Rivers/Streams		No	

o. Swamps/Mudflats		No	-
p. Zoological Park		No	-
q. 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/ Union territory (erstwhile state)		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?			
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/ Union territory (erstwhile state) Permission Required	No
6.	Permission from ULB/Local Body/Department Required	Yes, From the local rural authority.
7.	Any other clearance/permission required	Yes Various Statutory clearances and NOC's / PUC's for establishment or operation of batching plants , stone crushers, generators, vehicles etc shall be required to be obtained by the Contractor from the concerned authorities. Construction material will be procured only from permitted sites and licensed /authorized

	quarries/ borrow sites
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Part C (1): Social Screening

1. Does the sub-project activity require acquisition of land?			
		No	
Give the following details:	Private Land (sqmts/hac.)		-
	Govt. Land (sqmts/hac.)		-
	Forest Land (sqmts/hac.)		-
2. Does the proposed sub-project activity result in demolition/removal of existing structures?			
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	
3. Does the proposed project activity result in loss of crops/trees?			
		No	
4. Does the proposed Project activity result in loss of direct livelihood/ employment?			
		No	
5. Does the proposed activity result in loss of community forest/pastures on which nearby residents/local population are dependent?			
		No	
If yes, give the details of the extent of area to be lost (inacres/hac).		-	
6. Does the proposed Project activity affect scheduled tribe/caste communities?			
		No	

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

S.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 of Screening

The screening exercise does not envisaged significant social and environmental issues associated with the execution of the proposed subproject. No land acquisition either private or government is involved. There is no diversion of forest land, destruction of ecological resources and major Environmental threat/risk. The screening exercise does not envisaged demolition or removal of structures, loss of crops /trees, loss of employment / livelihood or any adverse impact on tribal/caste communities; hence no EIA/SIA/RAP is required. However, the subproject would require preparation and implementation of ESMP.

Statutory Clearances/ No Objection Certificate:

Only Statutory clearances and NOC's / PUC's for establishment/operation of batching plant, stone crushers, generators, vehicles etc if any shall be required to be obtained by the Contractor.

Revenue Papers in Urdu

1		2		3		4		5		6		7		8	
تعلقہ		نام مالک		نام کاشتکار		تعداد رقبہ		قسم زمین		مطابق		صنف		نقل و حرکت	
معد احوال		معد احوال		معد احوال		مرد		جمع بندی		جنس		الثقلات		کاشت و لگان	
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Handwritten notes in Urdu are present in the table cells, including names like 'ہزارہانہ' and '۱۲۱'.

At the bottom of the page, there are several signatures and stamps:

- Signature: *Patwar...*
- Signature: *...*
- Signature: *...*
- Stamp: *Patwar...*
- Stamp: *Tehsildar...*

Nakal Khasra girdwari of Revenue Documents of School in English

Nakal khasra girdwari at village – Ghambir Mugalan, Tehsil – Manjakot District – Rajouri.

1 Number Khasra	2 Name of owner	3 Name of Tenant	4 Area		5 Type of land/exist ing
			K	M	
787	Roshan Bano and others see number khasra 421	Roshan Bano, Faroz bano equal share gifted to J&K state through education deptt.	02	00	school
			01	02	School Ground
			03	02	

CIA/ERA/J/18/SSS
08/12/2018

Copy true

Sd/-
Patwari


Collector
Economic Reconstruction Agency
J&K, Jammu

Translated Revenue Paper/s in English

COPY OF KHASRA GIRDAWARI OF VILLAGE GHAMBIR MUGHLAN TEHSIL RAJOURI DISTT. RAJOURI J&K STATE
(IN ENGLISH VERSION)

No. Khasra & name of Land.	Name of owner with percentage	Name of tenant with percentage.	Total Land		Kind of land	Crop	
			Kanal	Marlas		Intkal Haqiyat	Kasht aur Lagam
787	Mst. Roshan Bano & other sharers as per tail under NO. 241/1	Mst. Roshan Bano, Farzand Bano equal sharer donated to Education Deptt. J&K.	2	-	School ground, School		
787 Min	Abdul Ghani sharer as per detail under NO. 787.	Education Deptt.	4	12	School	School	2

Smt. Roshan Bano, Faroz Bano equal share donated to Education Deptt. J&K

Note:-
The copy is correct as per revenue record of Tahsildar has been prepared and handed over to the representative of Govt. Higher Secondary School, Ghambir Mughlan.

Sd/- In English
Kharshid Ahmed Tantrai
1/5/2004 Patwari.

....
Translated Copy
Tahsildar
Rajouri

Photographs of Public consultation



Signature Sheet

JHELUM TAWI FLOOD RECOVERY PROJECT (JTFRP) Public Consultation Signature Sheet					
Name of the Sub-project:	School Swilling - HSS Gambhir Muglan Kajouri				
Location:	HSS - Gambhir Muglan				
Date:	19-03-2019				
Time:					
S.no:	Name	Age/sex	Occupation	Address	Signature
1	Farooq Akram	60/M	Sarparch	Gambhir Muglan	
2	Asfaq Ahmad	40/M	Panch	Gambhir Muglan	
3	Ikhleel Ahmad	35/M	Panch	Gambhir Muglan	
4	Mohd Hafiz	40/M	local	Gambhir Muglan	
5	Abdul Majid	37/M	Staff	Gambhir Muglan	

Photographs of Govt. Higher secondary school Gambhir Mughlan.



Damaged Block of the school complex



Dilapidated Toilet Block