

# Environment and Social Screening Report

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**February: 2021**

**Project ID: P154990**

Construction of 2 Rooms Classroom Block with Toilet Block for Boys & Girls at Govt. Middle school Melhura, Shopian J&K, India

(Jhelum & Tawi Flood Recovery Project)

**Prepared by PWD (R&B) Kashmir:** Government of Jammu & Kashmir for the World Bank.

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## **Executive Summary**

The devastating floods of September 2014 show negative impact on the socio-economic aspects of the Union Territory of J&K (erstwhile state) and massive infrastructure damaged in Kashmir Valley. In response, a mission of the World Bank visited the Union Territory of J&K 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.

Based on the RDNA results and discussions with the GOJ&K, the “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 education (school/college), the restorations of which have been included in the Component-1 of the World Bank investment.

Govt. Middle School, Melhura, Shopian was established in the year 1953 as a primary school. Today it enrolls more than 150 students. The school was affected by the floods due to the low lying area and its proximity to Rambiar stream. The school was inundated up to 08 feet from the plinth height. The school stayed flooded for more than 08 days. This result in great loss to the school as most of the infrastructure present was damaged beyond repair. Post floods school starts its rebuilding process but due to non-availability of funds only GCI temporary sheds were built to make temporary arrangement for conducting academic affairs of school. In view of this “Construction of 2 room Classroom block with separate toilet blocks for boys and girls at Govt. Middle School, Melhura, Shopian, Jammu and Kashmir”, was considered under JTFRP.

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 impacts. The revenue record revealed that school building under JTFRP is proposed inside the existing school premises upon khasra number 1043/1347 which is government land. The available land under khasra numbers 1043/1347 is 8 kanal i.e. 4043.15 m<sup>2</sup>.

Public consultations were undertaken during the site visits in the sub- project areas on 09-08-2018 and 01-07-2020. All stakeholders' viz., teachers, people from administration, students and people from community were consulted and information about the proposed sub-project was shared and their views were obtained.

The screening study reveals that there are no significant adverse social or environmental impacts of the proposed sub project. The sub-project does not involve any kind of land acquisition, resettlement or diversion of any forest land for the sub-project. Therefore, no further special study needs to be undertaken.



## 2 Introduction

### 2.1 Project Background

In September 2014, union territory of J&K 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%. Due to the unprecedented heavy rainfall the catchment areas particularly the low lying areas were flooded for more than two weeks. Some areas in Kashmir and in urban Srinagar and Anantnag stayed flooded for 28 days. Water levels were as high as 27 feet in many parts of Srinagar.

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 Union Territory of J&K'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 of J&K to increase resilience.

### 2.1 Project Development Objective

The Project Development Objective (PDO) is to support the recovery and increase disaster resilience in targeted areas of the Union Territory of J&K, and increase the capacity of the various entities of Union Territory of J&K's to respond promptly and effectively to an eligible crisis or emergency.

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)

## **2.1 Subproject Background**

The objective of this component of the “Jhelum and Tawi Flood Recovery Project” is to support the reconstruction/restoration of damaged public buildings, such as schools, higher education buildings, hospitals, fire stations, and selected block and district offices, and other important public buildings. It will include the restoration of partially damaged structures and the reconstruction of fully damaged structures, including equipment and furniture. The component will finance infrastructure and equipment damaged by the disaster, and improvements to current structures to increase resilience. Assessments will be carried out to determine the extent of structural integrity and retrofitting/reconstruction needs. For colleges/schools, the reconstruction will be focused on replacement of damaged buildings. The component will also finance the repair and reconstruction of damaged hospitals, higher education, fire station, and other public buildings, including the procurement of equipment/furniture, etc.

### **2.1 Sub-project description**

The proposed sub-project is “Construction of two(2) roomed Class room block with separate toilet block for boys and girls at Govt. Middle School, Melhura, Shopian” is funded by World Bank. The Project Implementation Unit (PIU) for this sub-project will be Public Works (R&B) Department, (Kashmir) Govt. of Jammu & Kashmir.

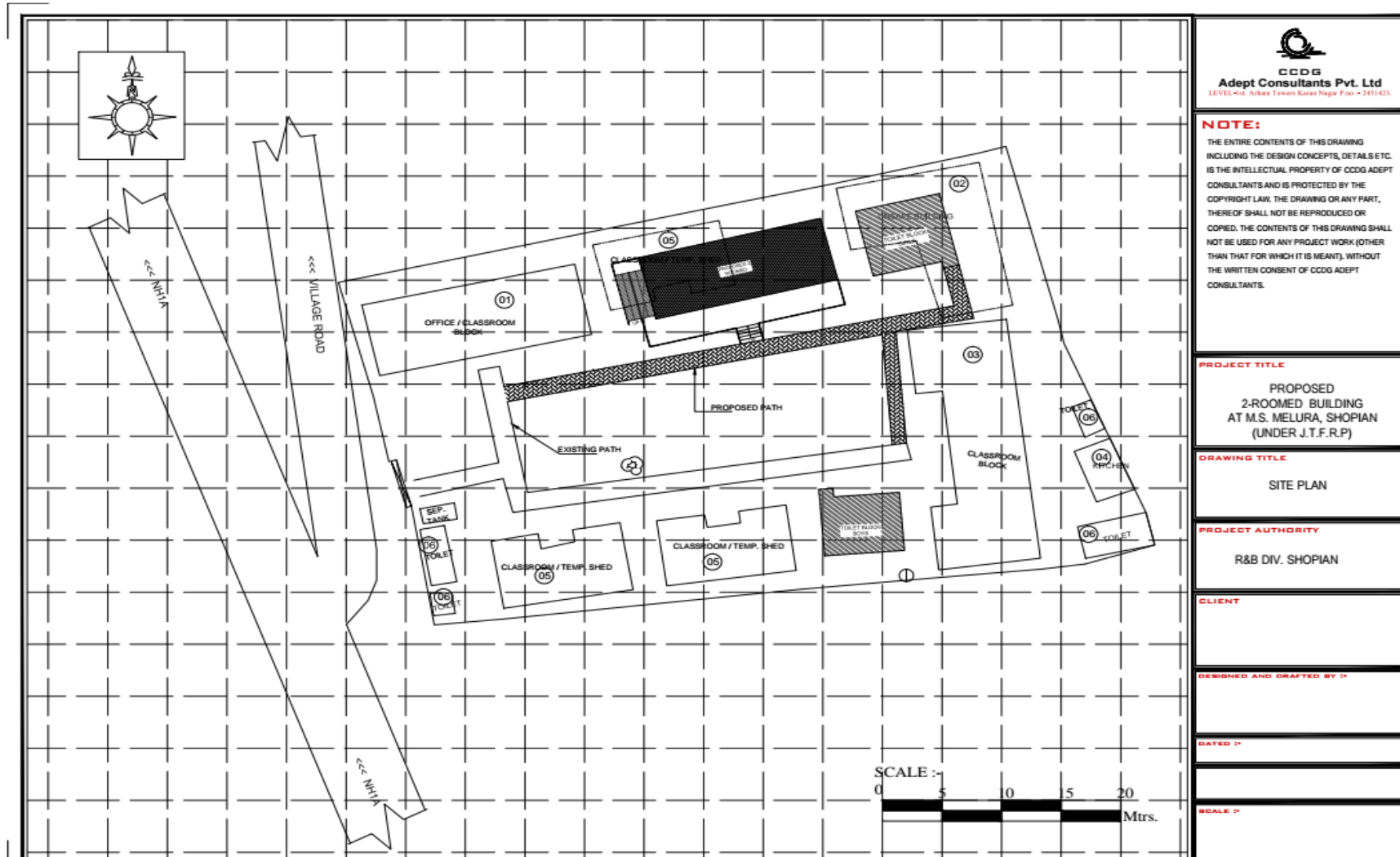
The proposed block will accommodate 02 classrooms. Besides separate washrooms blocks will be constructed for student’s convenience with multiple cubicles. The execution of this sub-project will result in effective academic activities. The design of these blocks has taken into consideration the seismicity of the region and other factors. Planning principles and design considerations have also been reviewed and incorporated into the site planning process whenever possible.

The buildings shall rest on RCC Raft / Pile foundation with plinth beams as per design. RCC Frame structure has been proposed with non-load bearing panels of bricks/ hollow

block(110 mm brick work and 200 mm hollow block) masonry in cement for the building. RCC slab shall be laid over and shall be provided with steel roof truss with colour coated CGI sheets in accordance with structural design. Wooden frames of designed section shall be provided for doors, /Windows and glazed/panelled shutters wood or equivalent shall be provided in accordance with the approved architectural design. The wood work shall be painted / polished with paint of approved quality. The floor shall be of Kota/Terrazzo/ Vitrified Tiles/ Granite as per the norms freezed in CPWD cost index. All other areas including ceiling shall be cement plastered and finished with POP and emulsion paint of approved shade. The toilets shall be provided with concealed sanitary and plumbing pipes /fittings with the requisite fixtures, chinaware etc. in accordance with the approved specifications



Fig.1.1 lay out plan of school



**CCDG**  
**Adept Consultants Pvt. Ltd**  
 LEVEL-04, Arkan Towers Karim Nagar - 2451425.

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**PROJECT TITLE**  
 PROPOSED  
 2-ROOMED BUILDING  
 AT M.S. MELURA, SHOPIAN  
 (UNDER J.T.F.R.P)

**DRAWING TITLE**  
 SITE PLAN

**PROJECT AUTHORITY**  
 R&B DIV. SHOPIAN

**CLIENT**

**DESIGNED AND DRAFTED BY :-**

**DATED :-**

**SCALE :-**

## Environmental Screening Of UPS Melhura

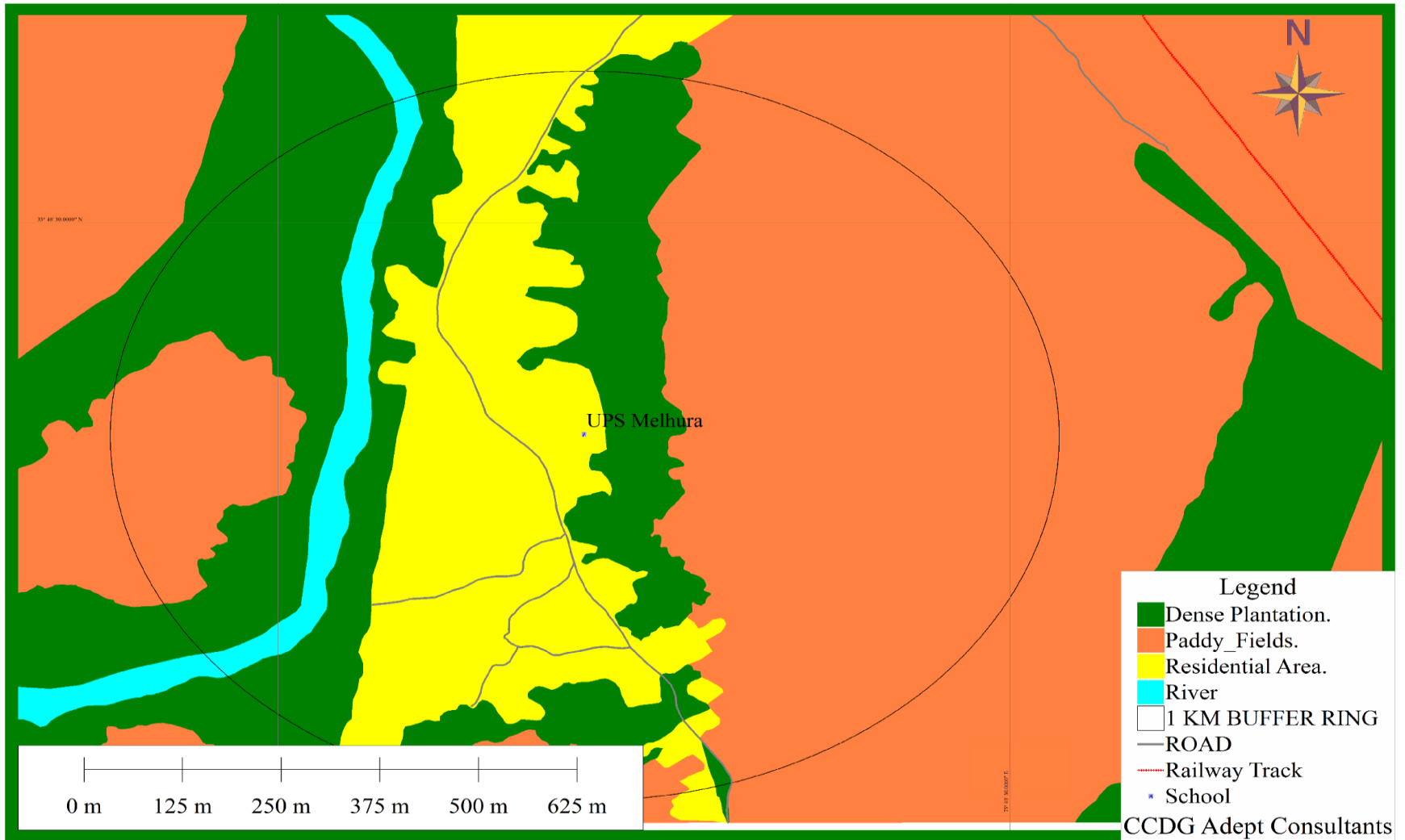


Figure 2.1

## **2.1 Objective of the Environmental and Social Screening**

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 impacts. Evaluate all the available information on environmental and social aspects as provided in the ESDS and assess, based on the level of expected environmental and social impacts including any field visits, whether the proposed subproject is classified in different categories as per World Bank guidelines.

## **2.1 Methodology of Environment and Social Screening Study**

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 impacts due to execution of the subproject.

## **2.0. Environment and Social Issues**

### **2.1 Environment Issues**

The project is not anticipated to have adverse significant or irreversible negative environmental impacts neither during the construction phase, nor at 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. The proposed site is the Govt. land under existing school campus. No Impacts either small, medium or large scale shall be encountered during the operation phase as the same comprises of academic activity only. There are no sensitive areas like specially protected areas or threatened or endangered endemic species in or near the project area.

### **2.2 Social Issues**

#### **2.2.1 Issue of land acquisition**

The proposed sub-project does not require any land acquisition. The sub-project will

be constructed on the available Govt. land under the ownership of school. The land under possession is retained by boundary walls from all sides. Revenue documents along with translated copy are attached as appendix- B & C.

The revenue extract in appendix B&C reflects Khasra no. 1043/1347 is under the ownership of school education department with a total land area of eight kanal<sup>1</sup> (4040.15 m<sup>2</sup>). Presently, no agricultural activity is taking place within the proposed construction site. Hence, no impact on livelihood or productivity will be encountered during the construction or operation phase.

### **2.2.2 Impact on Livelihood**

There is no adverse impact on the livelihood of anyone since the proposed sub-project is inside the premises of the existing school having proper boundary wall. Positive impacts will be anticipated in terms of employment opportunity as many skilled, semi-skilled and un-skilled personnel will get direct and indirect employment during construction phase.

Therefore, based on the findings during survey, there are no significant adverse environmental as well as social impacts in sub-project area, hence no further special study or detailed environmental impact assessment (EIA)/ Social impact assessment (SIA) needs to be undertaken.

## **3 Public Consultation**

In compliance with the ESMF of JTFRP, public consultations were undertaken during the site visits in the sub- project areas on 09-08-2018 and 01-07-2020. Different stake holders which included teachers, students, people from community, officials from revenue who are directly or indirectly involved with the sub-project were informed about the proposed activities and their views were obtained. During consultation the community does not object to the construction of said infrastructure inside the existing school premises. They also assured of support required during pre-construction or construction phase.

### **3.1 Issues discussed**

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<sup>1</sup> 01 kanal is equal to 5440 sft.

- Need of the subproject, current facilities and Proposed proposal for sub project
- Project and its source of assistance i.e. World Bank.
- Inconveniences during construction phase with academic activities.
- Study of Environment and Social Screening requirements and benefits and Concept of ESMP.
- Adverse environment impacts and mitigation measures during construction phase.
- Land ownership and objections if any from the community.
- Environmental and Social Policy of World Bank.
- Protection and conservation aspects of environmental attributes
- Grievance Redressal Mechanism for the subproject.

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

The following suggestions were received:

- Proper barricading of construction site during construction phase so that any untoward incident can be avoided in the school premises.
- That mitigation measures should be effective during construction phase.
- That those activities which cause major disturbances should be executed before and after school timing so that academic activity should not be affected.

PW (R&B) department as PIU/ implementing agency ensured that the requisite environmental mitigation measures shall be incorporated in ESMP and public consultation shall be a regular process during all stages of the sub -project to solve any issues arising out of the proposed works.

## **4 Environmental and social Management Plan (ESMP)**

Environmental and social Management Plan (ESMP) will provide specific actions deemed necessary to assist in mitigating the environmental impacts, addressing grievances of people arising out of the subproject related activities and labour management beside other requirements. ESMP will guide the environmentally-sound execution of the subproject, and ensure efficient lines of communication between the implementing agency, project management unit, and contractors. The ESMPs will form

part of the bid document and to be reviewed during implementation. The ESMP will be included in the contractual clauses and will be made binding on the contracting firm.

## Appendix A: Environment and Social Screening

### Part A: General Information

<b>1. Name of the sub-project</b>	Construction of 02 room classroom block with separate toilet block for boys and girls at Govt. Middle school, Melhura, Shopian, Jammu and	
<b>2. Type of proposed activity</b> (tick the applicable option and provide details)		
▪ Road	X	
▪ Bridge	X	
▪ Fire Station	X	-
▪ Hospital/Health Facility	X	
▪ Educational Institute	✓	School building.
▪ Building for Livelihoods	X	
▪ Flood Infrastructure Related	X	
▪ Other Public Building	X	
▪ Any Other (Please Specify)	X	
<b>3. Location of the proposed sub-project</b>		
▪ Name of the Region	Jammu/Kashmir	
▪ Name of the District	Shopian	
▪ Name of the Block	Shopian/wachi	
▪ Name of the Settlement	Melhuru	
▪ Latitude	33 <sup>0</sup> 72'53" N	
▪ Longitude	74 <sup>0</sup> 82'77" East	
<b>4a. Proposed Nature of Work</b> (tick the applicable options)		
▪ Minor Repairs	X	
▪ Major Repairs/Rehabilitation	X	

▪ Upgrading/Major Improvement	X
▪ Expansion of the facility	X
▪ New Construction	✓
▪ Any Other	X
<b>4b. Size of the sub-project</b> (approx. area in sq. mt/hac or length in mt/km, as relevant)	<b>195 sq.m(classroom block)</b> <b>36sq.m (washroom block)</b>
<b>5. Land Requirement (in hac./sq.mt.)</b>	
▪ Total Requirement	231 sq.m
• Private Land	Not required
▪ Govt. Land	Available (Appendix-B)
▪ Forest Land	Not required
<b>6. Implementing Agency Details (sub-project level)</b>	
▪ Name of the Department/Agency	PW(R&B) Deptt.Kahmir
▪ Name of the contact person	Mr.JaveidBukhari
▪ Designation	Ex.Engineer
▪ Contact Number	+91-9419006437
▪ E-mail Id	<a href="mailto:javeidbukhari@gmail.com">javeidbukhari@gmail.com</a>
<b>7. Screening Exercise Details</b>	
▪ Date on which it was carried out	<b>09-08-02018 and 01-07-2020</b>
▪ Name of the Person	Mr.KaiserRafiq
▪ Contact Number	8713927709 / 7006382221
▪ E-mail Id	<a href="mailto:rafiq.kaiser@yahoo.com">rafiq.kaiser@yahoo.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	Yes		Rambiar stream a tributary of Jhelum flows 200m away from the school.
o. Swamps/Mudflats		NO	

p. Zoological Park		NO	
q. Botanical Garden		NO	
<b>4. 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	
4. What is the High Flood Level in the sub-project area?	34.70 Guage in feets,115218 cusec discharge at Sangam. HFL10 feet from ground level within school premises		
5. Is any scheduled/protected tree like Chinar, Mulberry or Deodar likely to be affected/ cut due to the project?		NO	
6. Is the sub-project located in a landslide/heavy erosion prone area or affected by such a problem?		NO	.
7. Is sub-project located in an area that faces water paucity or water quality issues?		NO	

<b>Part B (2) : Result/Outcome of Environmental Screening Exercise</b>		
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 Permission for building construction will be required from Town Area Committee
7.	Any other clearance/permission required	Yes  Various Statutory clearances and NOC's / PUC's for establishment or operation of 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.

**Part C (1): Social Screening**

<b>1. Does the sub-project activity require acquisition of land?</b>			
Yes		No	√
Give the following details:	Private Land (sqmts/hac.)		No
	Govt. Land (sqmts/hac.)		Available (Appendix-B)
	Forest Land (sqmts/hac.)		No
<b>2. Does the proposed sub-project activity result in demolition/removal of existing structures?</b>			
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)		-	
<b>3. Does the proposed project activity result in loss of crops/trees?</b>			
Yes		No	√
<b>4. Does the proposed Project activity result in loss of direct livelihood/ employment?</b>			
Yes		No	√
<b>5. Does the proposed activity result in loss of community forest/pastures on which nearby residents/local population are dependent?</b>			
Yes		No	√

If yes, give the details of the extent of area to be lost (in acres/hac).			
<b>6. Does the proposed Project activity affect scheduled tribe/caste communities?</b>			
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	NA
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
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)	No

**Outcome**

The proposed sub-project site shall not have any significant environmental & social impact. The school building is proposed inside the existing school premise which was constructed in the year 1953. There may be some short term inconvenience to Staff, students and local citizens due to construction but it will be for very short period of time. To address the same, ESMP will be implemented. No EIA and SIA are required for the subproject site. However, the subproject would require preparation of EMP.

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

Appendix B: Revenue Record (in Urdu)

سہ شعبہ دفترہ بابہ نمبر ۱۰۲۳/۱۳۲۷ داکٹر موضع سے آدرہ تحصیل سوات ضلع اسلام

شمال

غرب

شرق

جنوب

رقبہ پچانو بمسابق ۲۰ کرم فی اناج

قشرہ جائیداد عیب تیر شہرہ نور ۱۰۲۳/۱۳۲۷

۱	۲	۳	۴	۵	۶	۷	۸
تعمیرات	تعمیرات	تعمیرات	تعمیرات	تعمیرات	تعمیرات	تعمیرات	تعمیرات
۱۰	۱۰	۱۰	۱۰	۱۰	۱۰	۱۰	۱۰
۱۰	۱۰	۱۰	۱۰	۱۰	۱۰	۱۰	۱۰

۱۳/۱۰/۲۰۰۷

SHAMIM AHMAD BHATT  
Patwari Halqa... waccha

قرضہ گروہ اور ایڈاپٹیشن کے لیے منصوبہ سازی کے لیے ضلعی ہیڈ کوارٹر

1	2	3	4	5	6
1	2	3	4	5	6
105	132	5	5	2	14
132	5	5	5	2	14

2006ء

صوبہ

ضلع

تعلقہ

محلہ

رقبہ

تعداد

مجموعہ

2007

SHAMIM AHMAD BHAT  
Patwari Halqa...

**Appendix C: Translated copy of land ownership document**

**GMS Melhura**

**ENGLISH TRALSATION COPY OF**  
**INTIKHABI KHASRA GIRDAWARI**  
**VILLAGE/ ESTATE Wachi,TEHSIL Shopian,**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Khasra no	Name of owner with Detail	Name of cultivator with detail	Area		Type of land	Levy etc	Remarks
			kanal	Marlas			
1043/1347	School education	School Education Department	7 -	16 04	Aabadi-Dah	-	Existing school building

**Note:**

The duplicate as per the original. The above duplicate has been issued to Head master Govt.middle school Melhura dated 31-03-2007 for onward perusal.

  
**SHAMEER AHMAD BHAT**  
Patwari-Haiat Wachi



**Appendix D: Public consultation with different stakeholders of the sub-project (02.07.2020)**

**Public Consultation for JTFRP**  
Jammu & Kashmir

Subproject name: Construction of 2 class room block with separate wash room facility at  
 Location: Melhura District: Shopian GMS, Melhura, Shopian.  
 Date: 02/07/2020 Time: 2:30 Pm

**Information of Participants**

Sl. No.	Name	Gender	Address	Occupation	Mobile number
1	Saddam Humain	Male	Melhura	Student	
2	Ilyas Ah. Mir	Male	-00-	Student	
3	Andil Ah. Das	Male	-00-	Student	
4	M. Amin Malik	-00-	-00-	Farmer	
5	Naveed Ah. Malik	-00-	Melhura	Business man	
6	Gulzar Ah. Bhat	-00-	-00-	Farmer	
7	Nazim Ah. Malik	-00-	-00-	Farmer	
8	Ah. Gani Mir	-00-	-00-	Business man	
9					

11



**Appendix E: consultation and flood affected infrastructure photographs**

