Environment and Social Screening Report

October: 2020

Project ID: P154990

Construction of 4 Room Single Story Building with Separate Toilet Block for Girls at Higher Secondary School, Magam (Budgam) Jammu and Kashmir

(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 deluge of September 2014 had enormous negative impact on socioeconomic aspects of the Union Territory of J&K (erstwhile State) and massive infrastructure damages in the Kashmir division. In response, a mission of the World Bank visited the U.T. (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.

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. Under component 1 "Construction 4 Roomed Single Story Building With Separate Toilet Block For Girls at Govt. Girls Higher Secondary School, Magam" was incorporated.

Govt. Girls Higher Secondary School, Magam, was affected by the floods due to the low lying area and its proximity to flood spill channel and Sukhnag River. The whole school was inundated up to 04 feet from the plinth height. The school remain flooded for more than 07 days. Most of the existing infrastructure was damaged up to a great extent. Laboratories, library and washrooms were damaged beyond repair. Post floods school starts its rebuilding process and one make shift temporary sheds was raised to accommodate students for academic activities. Due to lack of funds two more make shift sheds are under construction to provide more accommodation to students. Presently, the numbers of classrooms do not suffices the present student roll and affect the academic performance of students because the teacher–learner process is not effective due to lack of proper infrastructure. In this context, the said school's reconstruction /rehabilitation has been taken 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.

Public consultations were undertaken during the site visits in the sub- project areas on 25-08-2018. Different stakeholders of the school (teachers, and students particularly female studying or working within the school) were informed about the proposed sub-project and their views were obtained.

The screening exercise revealed that sub-project of rehabilitation and reconstruction of damaged school is proposed inside the existing school premises. The revenue record revealed that existing school premises was constructed over three different khasra numbers i.e. 3006/1966, 3013/1970 and 3017/1971. A total of 7 Kanal and 12 Marlas i.e. 3840.95 m² of land under said khasra numbers was sold to the education department by three private parties and same is evident from the revenue record. A certificate of land availability issued by the concerned Tehsildar and duly attested by the Deputy Commissioner Budgam also authenticates that land is available for construction of additional four roomed accommodation at Girls HSS Building at Magam. Therefore, no land acquisition is required for the proposed construction.

The screening study reveals that there are no likely significant social or environmental impacts of the proposed sub-project. Therefore, no further study needs to be undertaken.

1.0 INTRODUCTION

1.1 Project Background

In September 2014, 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 U.T's (erstwhile State) 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 U.T's (erstwhile State) to increase resilience.

1.2 Project Development Objectives

The Project Development Objective (PDO) is to support the recovery and increase disaster resilience in targeted areas of the U.T's (erstwhile State), and increase the capacity of the U.T's (erstwhile State) entities 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)

1.3 Sub-project 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.

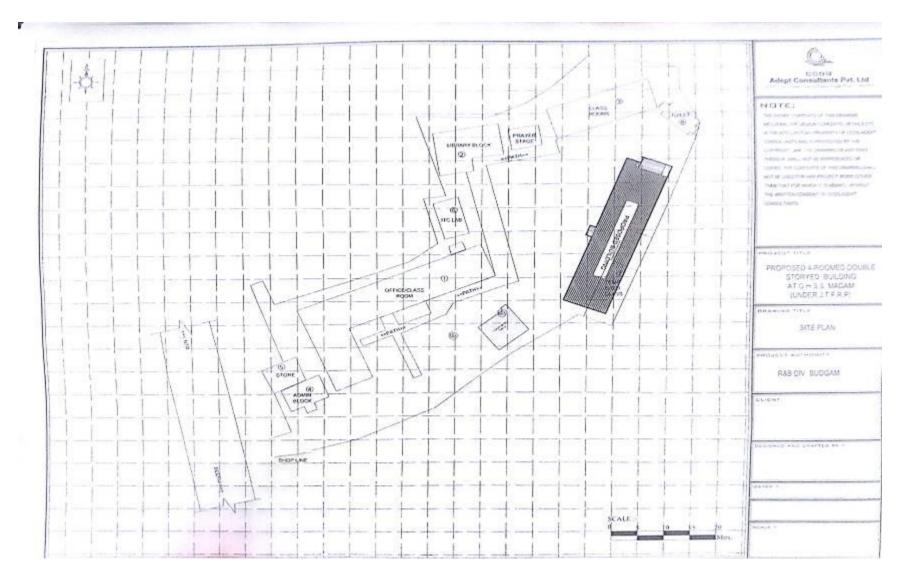
1.4 Sub-project Description

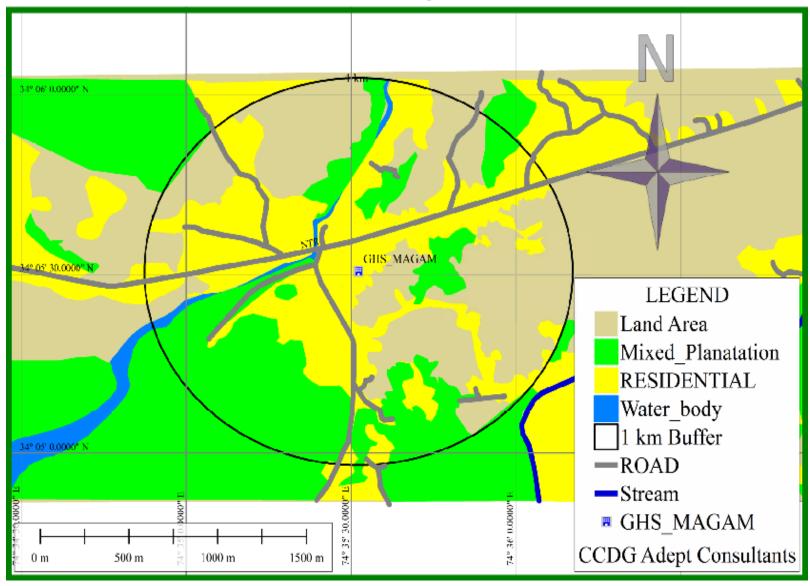
The sub-project is located between coordinates of 34⁰05[/]31^{//}N and 74⁰35[/]27^{//}E. It lies parallel to the Sukhnag stream a tributary of Jhelum. It is 11 kilometres from sub-district headquarters Beerwah and 20 kilometres away from Srinagar, the U.T's (erstwhile State) summer capital. It has an average elevation of 1569 meters (5147 feet). The area being low lying often gets inundated. During devastating floods of September 2014 whole area including school premises got inundated. The HFL recorded near the school was more than 07 feet from ground level. The school's roll is more than 1200 students during the academic session-2018. For restoring / reconstructing / augmenting the school infrastructure, the school has been proposed under JTFRP.

The classroom block will accommodate 04 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 building 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.

Lay out plan





Environmental Screening Of GHS MAGAM

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 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.

1.6 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 Findings

2.1 Environmental Issues

The project is not anticipated to have adverse significant or irreversible negative environmental impacts neither at the construction, nor at operation phase. Impacts of the construction phase will be typical for all medium scale construction activities, shortterm/ temporary and limited to the project site. Since, the proposed site is the Govt. land under existing school premises. 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 the project area.

2.2 Social Issues

2.2.1 Issue of land Acquisition

The screening exercise revealed that sub-project for rehabilitation and reconstruction of damaged school is proposed inside the existing school premises. The revenue record revealed that existing school premises was constructed over three different khasra numbers i.e. 3006/1966, 3013/1970 and 3017/1971 (Appendix B). A total of 7 Kanal and 12 Marlas i.e. 3840.95 m² of land is under the said khasra numbers was sold to the education department by three private parties and same is evident from the revenue record. A certificate of land availability issued by the concerned Tehsildar and duly attested by the Deputy Commissioner Budgam also authenticates that land is available for construction of additional four roomed accommodation at Girls HSS Building at Magam (Appendix C). Therefore, no land acquisition is required for the proposed construction.

2.2.2 Issues of Livelihood

No adverse impact on the livelihood of anyone envisaged during screening exercise. Since the proposed sub-project is proposed inside the existing school premises over the land under the ownership of education department.

2.2.3 Environmental and social Management Plan (ESMP)

An Environmental and social Management Plan (ESMP) will be prepared. It 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.

3.0. Public Consultation

In compliance with the ESMF, public consultations were undertaken during the site visits in the sub- project areas on 25-08-2018. Stake holders (teachers, students particularly females studying or working within the school campus and people who are directly or indirectly involved with the sub-project) were informed about the proposed activities and their views were obtained (Appendix-D).

Issues discussed

- Need of the subproject and current facilities.
- Project and its source of assistance.
- Proposed proposal for sub project.
- Unanticipated impacts during execution.
- Study of Environment and Social Screening.
- Environmental and Social Policy of World Bank.
- Protection and conservation aspects of environmental attributes.
- Grievance Redressal Mechanism for the subproject.

Outcome and suggestions

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.

Therefore, based on the findings during the screening exercise, there are no likely significant environmental as well as social impacts of the proposed subproject. Hence, no further special study or detailed environmental impact assessment (EIA)/ Social impact assessment (SIA) needs to be undertaken.

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.

Appendix-A: Environment and Social Screening

Part A: General Information

Name of the sub-project	with	truction of 4 roomed single story building separate toilet block for Girls at Govt. Girls er Secondary School, Magam
2.Type of proposed activity (tick	the ap	plicable option and provide details)
Road		
Bridge		
 Fire Station 		
Hospital/Health Facility		
 Educational Institute 	✓	Govt. Higher Secondary School, Magam
Building for Livelihoods		
 Flood Infrastructure Related 		
Other Public Building		
 Any Other (Please Specify) 		
3. Location of the proposed sub-	projec	t
 Name of the Region 		Kashmir (U.T of J&K)
 Name of the District 		Budgam
 Name of the Block 		Magam
 Name of the Settlement 		Magam
Latitude		34 ⁰ 05′ 31″ N
Longitude		74 ⁰ 35′ 27″ E
4a. Proposed Nature of Work (ti	ck the	applicable options)

✓
325sq.m class room block
36sq.m toilet block
361sqm
Nill
361 m²
Nill
oject level)
PW(R&B) Deptt. Kashmir
Mr. Abdul Qayoom Kirmani
Superintending Engineer
9419951666
sernbcrp@gmail.com
25-08-2018
Mr. Kaiser Rafiq
8713927709 / 7006382221
rafiq.kaiser@yahoo.com

Part B (1): Environment Screening

Question	Yes	No	Details
1. Is the sub-project located in environmentally sensitive ar		or pa	rt within 1 km of the following
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	
 Area with threatened/rare/ endangered flora (outside protected areas) 		No	
j. Reserved/Protected Forest		No	
k. Other category of Forest		No	
ı. Wetland		No	
m. Natural Lakes		No	

n. Rivers/Streams	Yes		Sukhnag stream flows adjacent to
			the proposed sub-project site.
o. Swamps/Mudflats		No	
p. Zoological Park		No	
q. Botanical Garden		No	
4. Is the sub-project located in	whole	or pa	rt 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		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?	29.5 prem	-	ge in Feets , HFL 07 feet in school
 Is any scheduled/protected tree like Chinar, Mulberry or Deodar likely to be affected/ cut due to the project? 		No	
 Is the sub-project located in a landslide/heavy erosion prone area or affected by such a problem? 		No	

 Is sub-project located in an area that faces water paucity or water quality issues? 		No	
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Part	B (2) : Result/Outcome of Envi	ronmental 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 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

1. Does the sub-p	roject	activity requir	e acquisition of la	nd?
Yes			No	\checkmark
		Private Land	(sq mts/hac.)	No
Give the following de	etails:	Govt. Land (s	q mts/hac.)	361 m² (available)
		Forest Land (sq mts/hac.)	No
2. Does the propo	sed su	ıb-project acti	vity result in demo	lition/removal of
existing structu	res?			
Yes		\checkmark	No	
If so, give the followi	ng deta	ails:		
Number of public s	structu	res/buildings	01 tempora	ry sheds
 Number of commo resources (such as 	• •	•	-	
 Number of private on private or public 			-	
3. Does the propo	sed pr	oject activity	result in loss of cr	ops/trees?
Yes			No	\checkmark
4. Does the propo employment?	sed Pr	oject activity	result in loss of di	rect livelihood/
Yes			No	~
		-	in loss of commo pulation are depen	unity forest/pastures
Yes	.,		No	√

			details of th n acres/hac).		of				
6.	Does	the	proposed	Project	activity	affect	sche	eduled	tribe/caste
	Yes	6				No			✓

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

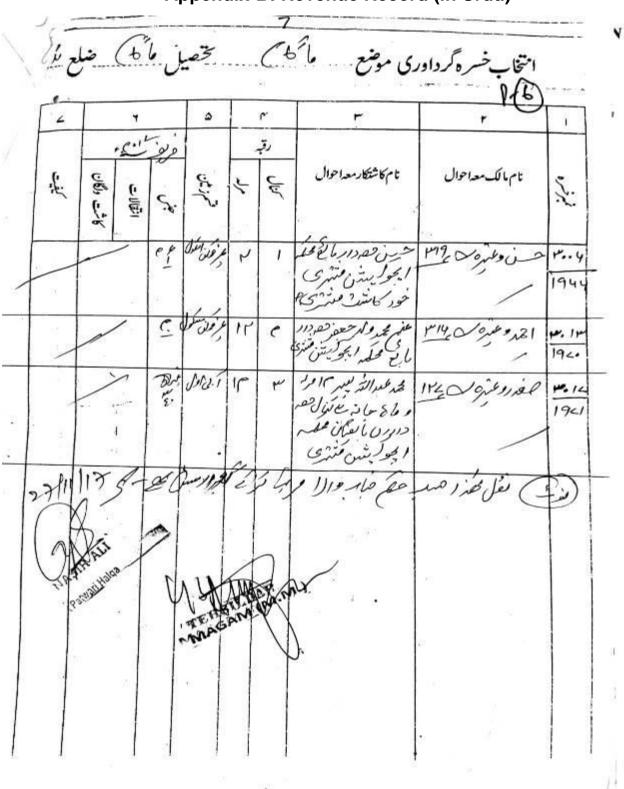
S.No.	Result/Outcome	Outcome
1.	Answer to all the questions is 'No' and only forest land is being acquired	NA
2.	Answer to any question is 'Yes' and the sub-project does not affect more than 200 people (i.e. either complete or partial loss of assets and/or livelihood)	No
3.	Answer to any question is 'Yes' and the sub-project affects more than 200 people (<i>i.e. either complete or partial loss of assets and/or livelihood</i>)	No

Outcome

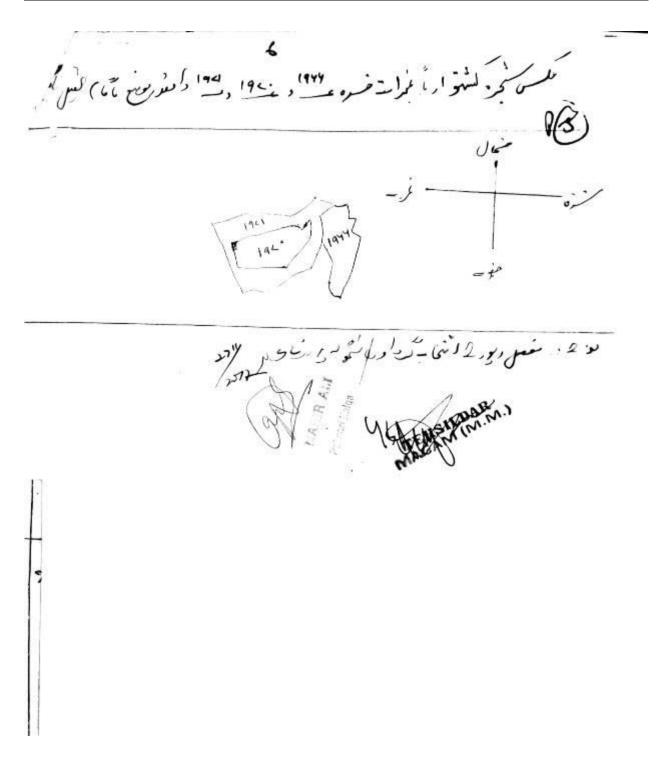
The proposed sub-project does not require any land acquisition. It does not likely to have any significant environmental & social issues. Only Inconveniences to Staff, students and local citizens during construction phase envisaged and to address the same, ESMP will be implemented during construction.

No EIA and SIA is required for the subproject site. However, the subproject would require preparation of ESMP.

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



Appendix-B: Revenue Record (in Urdu)



Revenue Record (in English)

ENGLISH TRANSLATION COPY OF

INTIKHAB KHASRA GIRDAWARI

VILLAGE/ESTATE MAGAM, TEHSIL MAGAM,

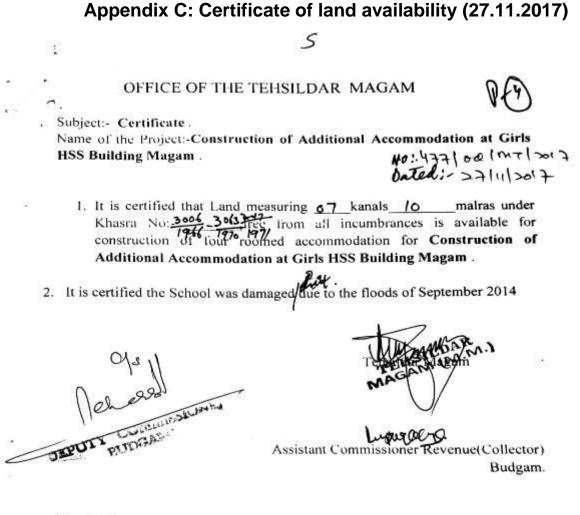
DISTRICT BUDGAM

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Khasra	Name of	Name of Cultivator with	A	rea	Type of Land	Levy, etc.	Remarks
No.	Owner with Details	Details	Kanal	Maria	Land	etc.	
3006/ 1966	Hassan others as per No. 319.	Hassan shareholder vendor in favour of Education Department Vendee self cultivation of Vendee.	1	4	Gair Miskan School	10 1	-
3013/ 1970	Ahmad others aas per No. 316	Ghulam Mohammad son of Jaffar shareholder Vendor in favour of Education Department Vendee	2	16	Gair Miskan School	2	-
3017/ 1971	Safia and others as per No. 147	Mohammad Abdullah son 12M and Mst. Jana 1K shareholders Vendors in favour of Education Department Vendee.	з	12	Aabi Awal	3	

NOTE:

The duplicate has been issued as per the orders η

Sd/- Patwari Halqa Magam



Copy to the:-

1. District Development Commissioner. Budgam for info.

2. Superintending engineer R&B Circle Budgam /Srinagar

No.:- 477/02/11/2017 Doded :- 27/11/2017

Appendix-D: Signature Sheet (25.08.2018)

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No.	Name With Profession	Designation/Stream	Address/Phone	Signature
•,	Rifat Hassan Qadei	Principal	GGHSS Magam	
1]			9419078030	
	Ab. Aziz-Dar	Sx. Lecturer	GGH55 Magam	1- 60 3
ïi)	K	(Chemistory)	9419074604	
	Shabeer-Husain	Sr Lecturer	GGHSS	0
12)	Parah	(Physics)	7006 D11914	ghabon
-	Hilal Ahmad	Lecturer	GGHSS	
ì• (Mix	(zoology)	Magam (301
-	Gulzar Ahmad Dar	Lacturer	GGHSS	am
v١	Devr	(Mathematics)	Magam	dalla
	Khurshead Ahme	Lecturer	GG HSS Magam	up. James
vi)	Passay	(Botamy)		Mr. Is
	Sheeba Mohi-ud-din	Lecturer	GGHSS	
i)		(Education)	mgam	1200

Na	25 68 2018 Venue	tim of 4 round the troited years CIGHSS, Mycon Designation Stream	Address Phone	Signature
۵.	Mansoor Ahmad Khan	Lecturer (Environmental Science)	GG HSS Magam 9906730929	asoth
x	Sh. Hassan War		GGHSS Magam	
	Parveena Aluta	Lecturer (Urdu)	GGHSS Magan	
1	Ab Rashid Don	Fectures (Economics)	GGHSS Magam	
	Ab Rashid Blat	(Pol. science)	9797161003	Kak
	Kisheyjeet singh	Lecturer (Physical Education) Master	GGH SS Magam	
7	Hazi-ur-Rehman Magray	Master	SG HSS	

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Appendix-E: Public participation with students, staff and Locals



