## **Environment and Social Screening Report**

October: 2020

**Project ID: P154990** 

Construction of 04 Classrooms Block with Separate Toilet Block for Boys and Girls at Government Higher Secondary School, Arwani, Bijbhehara (Anantnag)

(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 socio-economic aspects of the Union Territory of J&K (erstwhile state) and massive infrastructure damaged in Kashmir division. In response, a mission of the World Bank visited the Union Territory of J&K (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 of four (04) Classroom Block with Separate Toilet Block for Boys and Girls at Govt. Higher Secondary school, Arwani" Bijbihara has been proposed.

The devastating floods of 2014 damaged the existing infrastructure of school due to its proximity to Vaishav stream and river Jehlum. The whole village including the school was inundated up to 09 feet from the ground level. The school stayed flooded for more than 07 days. Most of the existing infrastructure is either flood affected or unsafe for use. The existing class rooms are overcrowded, suffocated and unhygienic. Post floods school starts its rebuilding process and a proposal for the said subproject was finalized and included under Jhelum and Tawi Flood Recovery Project (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 01-10-2018. Different stakeholders of the school teachers and students were informed about the proposed sub-project and their views were obtained and mentioned in the public consultation section. The proposed sub-project does not require land acquisition. The site identified is inside the existing school complex which was affected during 2014 floods, having boundary wall and fenced from all sides. The revenue record revealed that site identified for proposed construction is Government land under khasra number 95. A total of 19 Kanal<sup>1</sup> and 8 Marlas<sup>2</sup> (9804.62 m²) of land is under the khasra number 95. However, it is evident from the revenue record that school has the possession of 12 kanal i.e. 6064.78 m² of land and requirement as per technical proposal is only 361 m². Therefore, no land needs to be acquired.

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

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<sup>&</sup>lt;sup>1</sup> Traditional (local) unit of measurement. 01 kanal is equivalent to 5440 sft or 505.392 m<sup>2</sup>.

<sup>&</sup>lt;sup>2</sup> Traditional (local) unit of measurement. 01 Marlas is equivalent to 272 sft.

#### 1 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 Anatnag 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'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 (erstwhile state) to increase resilience.

## **1.2** Project Development Objective

The Project Development Objective (PDO) is to support the recovery and increase disaster resilience in targeted areas of the Union Territory of J&K (erstwhile state), and increase the capacity of the entities of the U.T 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

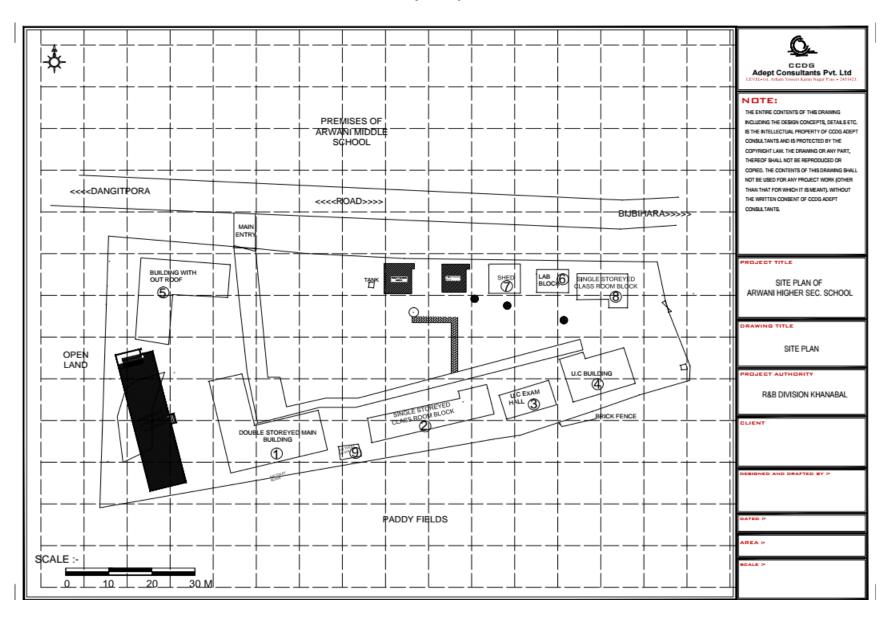
The school lies between coordinates of 33°47'12"N and 75°03'27"E. The school is situated in Arwani village of Bijbehara town of district Anantnag Jammu and Kashmir. It is located at a distance of about 45 km to south from Union Territory of J&K (erstwhile state) summer capital Srinagar and 09 km to north from district headquarter Anantnag. The school enrolls more than 500 students. The area being low lying often gets inundated. The school authorities are therefore facing great inconvenience in conducting various education related activities / facilities.

The proposed sub project Construction of four (04) class room block with separate toilet block for boys and girls at Govt. higher secondary school, Arwani Bijbihara" 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.

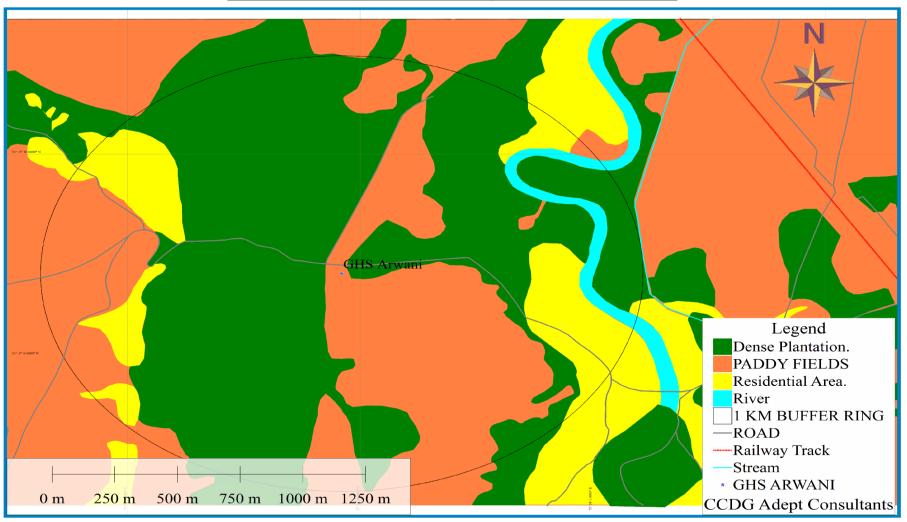
The classroom block will accommodate 04 classrooms. Besides separate washrooms blocks will be constructed for student's convenience with multiple cubicles. The

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 Arwani**



#### 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 Environmental 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, short-term/ temporary and limited to the project site. Since, 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 the project area.

#### 2.2 Social Issues

#### 2.2.1 Issue of Land acquisition

The proposed sub-project does not require land acquisition. The site identified is inside the existing school complex which was affected during 2014 floods, having boundary wall and fenced from all sides. The revenue record revealed that site identified for proposed construction is Government land under khasra number 95 (Appendix B). A total of 19 Kanal3 and 8 Marlas4 (9804.62 m²) of land is under the khasra number 95. However, it is evident from the revenue record that school has the possession of 12 kanal i.e. 6064.78 m² of land and requirement as per technical proposal is only 361 m². Therefore, no land needs to be acquired.

#### 2.2.2 Impact on Livelihood

Screening exercise revealed that none will have adverse impact on the livelihood and associated activities. Positive impacts anticipated in terms of employment opportunities as many skilled, semi-skilled and un-skilled personnel will get direct and indirect employment during construction phase.

#### 2.2.3 Environmental and social Management Plan (ESMP)

A detailed Environmental and social Management Plan (ESMP) will provide specific actions deemed necessary to assist in mitigating the environmental impacts, guide the environmentally-sound execution of the subproject, and ensure efficient lines of communication between the implementing agency, project management unit, 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.

<sup>&</sup>lt;sup>3</sup> Traditional (local) unit of measurement. 01 kanal is equivalent to 5440 sft or 505.392 m<sup>2</sup>.

<sup>&</sup>lt;sup>4</sup> Traditional (local) unit of measurement. 01 Marlas is equivalent to 272 sft.

### 3 Public Consultation

In compliance with the World Banks guidelines, meaningful public consultations were undertaken during the site visits in the sub- project areas on 01-10-2018. Stakeholders (school, administration, teachers, students and people who are directly or indirectly involved with the sub-project) were informed about the proposed activities and their views were obtained (Appendix-C). It was confirmed by the people during consultation that school is under the possession of 12 kanal of the land and none have any claim over it since its government land. Some names of private person (illegal occupants) mentioned in revenue record will not have any kind of direct or indirect impact. Consultation Photographs attached as appendix C.

#### Issues discussed

- Current facilities, need of the subproject and Proposed proposal for sub project.
- Project and its source of assistance.
- Ownership of the identified land.
- Issues of livelihood.
- Unanticipated impacts during execution.
- Study of Environment and Social Screening requirements.
- 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.
- Completion of the sub-project in fixed time.
- That mitigation measures should be effective during construction phase.
- 12 kanal of the land which is under the possession of school is encumbrance free. Sub-project should be completed in fixed timeline.

• 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.

Therefore, based on the findings during screening exercise, there is no likely significant social or environmental impact of the sub-project. Hence, no further special study or detailed environmental impact assessment (EIA)/ Social impact assessment (SIA) needs to be undertaken.

## **Appendix-A: Environment and Social Screening**

### **Part A: General Information**

1. Name of the sub-project		Construction of four (04) classroom block with separate toilet block for boys and girls at Govt. Higher Secondary School, Arwani (Bijbihara)			
2. Type of proposed activity (tio	k the a	olicable option a	nd provide details)		
• Road	Х				
Bridge	Х				
<ul> <li>Fire Station</li> </ul>	Х	-			
<ul> <li>Hospital/Health Facility</li> </ul>	X				
Educational Institute	<b>✓</b>	Govt. Higher S Arwani (Anant	Secondary School, nag)		
Building for Livelihoods	X				
Flood Infrastructure Related	Х				
Other Public Building	Х				
Any Other (Please Specify)	Х				
3. Location of the proposed sub	-proje				
Name of the Region		Kasl	nmir (J&K)		
Name of the District		Anantnag			
<ul> <li>Name of the Block</li> </ul>		Arwani			
Name of the Settlement		Arwani			
- Latitude		33°47'12"N			
<ul> <li>Longitude</li> </ul>		75°03'27"E			
4a. Proposed Nature of Work (t	tick the	oplicable options			
Minor Repairs		Х			

Major Repairs/Rehabilitation	X
Upgrading/Major Improvement	X
Expansion of the facility	X
New Construction	✓
Any Other	Х
4b. Size of the sub-project (approx. area in sq. mt/hac or length in mt/km, as relevant)	325 sq.m class room block 36 sq.m toilet block
5. Land Requirement (in hac./sq.mt.)	
Total Requirement	361 sq.m
Private Land	Not required
Govt. Land	361 m² (available)
Forest Land	Not required
6. Implementing Agency Details (sub-pr	roject level)
Name of the Department/Agency	PW(R&B) Deptt. Kashmir
Name of the contact person	Mr. Abdul Qayoom Kirmani
Designation	Superintending Engineer
- Contact Number	9419951666
• E-mail Id	sernbcrp@gmail.com
7. Screening Exercise Details	
Date on which it was carried out	01-10-2018
Name of the Person	Mr. Kaiser Rafiq
- Contact Number	8713927709 / 7006382221
• E-mail Id	rafiq.kaiser@yahoo.com

Part B (1): Environment Screening

	Question	Yes	No	Details				
1.	1. Is the sub-project located in whole or part within 1 km of the following environmentally sensitive areas?							
a.	Biosphere Reserve		NO					
b.	National Park		NO					
C.	Wildlife/Bird Sanctuary		NO					
d.	Wildlife/Bird Reserve		NO					
e.	Important Bird Areas (IBAs)		NO					
f.	Habitat of migratory birds (outside protected areas)		NO					
g.	Breeding/Foraging/Migratory route of Wild Animals (outside protected areas)		NO					
h.	Area with threatened/rare/ endangered fauna (outside protected areas)		NO					
i.	Area with threatened/rare/ endangered flora (outside protected areas)		NO					
j.	Reserved/Protected Forest	Yes		A social forestry belt measuring 2km x1km lies to the north of sub project site at a distance of 700 mtrs. However the proposed activity will not involve any cutting of				
k.	Other category of Forest		NO					
I.	Wetland		NO					
m.	Natural Lakes		NO					

		-		
n.	Rivers/Streams	YE S		Vaishav stream flows through arwani about 01km from site  Jehlum flows through the bijbihara town some 5kms from sub-project site
0.	Swamps/Mudflats		NO	
p.	Zoological Park		NO	
q.	Botanical Garden		NO	
4.	Is the sub-project located in following sensitive features?		or par	t within 500 mts. of any of the
a.	World Heritage Sites		NO	
	Archaeological monuments/ sites (under ASI's central/state list)		NO	
	Historic Places/Monuments/ Buildings/Other Assets (not listed under ASI list but considered locally important or carry a sentimental value)		NO	
	Religious Places (regionally or locally important)		NO	
e.	Reservoirs/Dams		NO	
f.	Canals			
	Public Water Supply Areas from Rivers/Surface Water Bodies/Ground Water Sources	ı	NO	
	What is the High Flood Level in the sub-project area?	disc	charge	age in feets,115218 cusec at Sangam. HFL recorded was 09 ground level within school premises
	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	

Par	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 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	re :	acquisitio	n of lar	nd?		
Yes				No		√		
Give the follo		Private Land (sq mts/hac.)			No			
details:	owing	Govt. Land (s	q r	mts/hac.)		361 m² (available )		
		Forest Land (	sq	mts/hac.)		No		
2. Does the proposed sub-project activity result in demolition/removal of existing structures?								
Yes				No		$\checkmark$		
If so, give the following details:								
Number of public s	Number of public structures/buildings     No							
Number of commoresources (such a drinking water/well)	ous/cultural/		-					
<ul> <li>Number of private on private or publi</li> </ul>		`	-					
3. Does the propo	sed pı	oject activity	re	sult in los	s of cro	pps/trees?		
Yes			No			✓		
4. Does the propo employment?	sed P	roject activity	re	sult in los	s of dir	ect livelihood/		
Yes				No		$\checkmark$		
5. Does the propo which nearby re		_			-	forest/pastures on		
Yes				No		√		

If yes, give the deta area to be lost (in ac							
6. Does the propos	6. Does the proposed Project activity affect scheduled tribe/caste communities?						
Yes		No	√				

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

S.No.	Result/Outcome	Outcome
1.	Answer to all the questions is 'No' and only forest land is being acquired	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 site identified for the sub-project is government land and the proposed sub-project does not have significant environmental & social impacts. There may be some short term inconvenience to Staff, students and local citizens due to construction but it will be for very short period if comparing with the long term benefits to the public. To address the same, ESMP will be implemented during construction. No EIA and SIA studies required for the sub-project. 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)

عصر ساد ا	ص کے موسی و جما ہو <u>۔</u> س	
بارا ابنا اجن	من م	1.2-
26-8 15 P	Normalia de de la companya de la com	تعدف ١- سنهل مدا توا - ملم خبا -

Migher Soc. Leaves Migher Soc. Leaves Miles Soc. Leaves Miles Mile

## **Revenue Record (in English)**

#### GHSS, AARWANI, ANANTNAG

# ENGLISH TRANSLATION COPY OF

INTIKHAB KHASRA GIRDAWARI

VILLAGE/ESTATE RAKHI MOMIN, TEHSIL ANANTNAG,

#### DISTRICT ANANTNAG

	(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			-
95	State	Under possession of Government 12K, Mohammad Muslim others sons of Mohammad Sikandar Malik residents of village.	19	8	Banjri Qadeem	-	

#### NOTE:

The duplicate has been issued as per the orders.

Sd/- Patwari Halqa Rakhi Momin

## Appendix C: Signature Sheet of Public Consultation

CACCLTY/STUDENT/GENERAL INTERACTION/CONSULTATION ATTENDANCE SLIP		
Sub-Project Name: Construction of 4 toomed class xoom block		
Date 07/10/2018 Venue HCS/Armani		
Name With Profession Cossignation Stream	Leg Adm	∧ Signature
Bushed 11# 13	Do \	@Duf.
Romysa 11th 102	100	0
Soobid Nisas 11th 81	Do	Romysa. Soubiá
Mehnaza Mansone 11Th 75	Do	melmok?
Roshni Bashir 11th 82	DO	Rospni
Rukesana Manson 4th 54	Do	Buchen
Aaliya Nazier 11th 19	Do	Salya.
Gone jian 11th 86	Do	G10~84
Shorzia Akhtee 11th 87	100	Serazio.
Shaheeng Shameem 11th OB	Do	Shaheeng
ASIZ MANZOOR 11Th 42	Do	(Coo)
Shah baz fiyaz 11th 84	Do	Steen
Umar guern 1174 109	00	long
Muzajar 11114 ga	00	muzezot

# EACULTY/STUDENT/GENERAL INTERACTION/CONSULTATION ATTENDANCE SLIP Sub-Project Name: Construction of 4 youned class your such 9455, Acwari Date 01/10/2018 Venue HSS/ aswan? S. No. Name With Profession Designation/Stream Address/Phone Signature Bashir Ahmaap Cohar 01. Sr. led. OI 9H. Hasson Lectures HSS Asware 2 03 As Raskid Manto Mushlig Dh- wane I yed Mufeeb-u Raha Teacher Muchiagah Neuga Phy Edu Masin HSS Abwanie Refact Integer On Day Feacher Boshiz Al. Boda Teacher Malik Muzaint Muzaffar Shail Mustef. HSS Acusani June

As. Rashis

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**Appendix D: Consultation Photographs** 





