# **Environment and Social Screening Report**

Project ID- P154990 January 2021

Construction of 04 roomed class room block with separate toilet facility for boys and girls at Govt. Middle School, Kulhama, Bandipora

Prepared by PW (R&B) Department: Government of Jammu & Kashmir.

#### **EXECUTIVE SUMMARY**

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

One of the School infrastructures, "Govt. Middle School Kulhama Bandipora" was also severely affected with floods, due to the low lying area the whole School was inundated upto 07 feet's from the plinth height. This results into great inconvenience to the staff, students, and virtually it was not possible for the school staff as well as students to attend the school in such deluge. Due to flood 2014 one of the school buildings got damaged and was declared unsafe. In view of this it was decided to construct new structure of 4 rooms with separate male & female toilet blocks for the school.

As per the screening exercise, it does not require land acquisition either private or government. The sub-project is proposed inside the existing school having proper boundary wall and gate. The revenue record confirmed that the existing school is built on the government land over khasra number 942 and total area under the ownership of school education department is about 41 kanal<sup>1</sup> and 41 Marlas<sup>2</sup> i.e. 21757.15m<sup>2</sup>.

Therefore, no land either private or government is required for the proposed construction. In light of the above, there is no requirement of Social Impact Assessment for the proposed sub-project.

<sup>&</sup>lt;sup>1</sup> 01 Kanal is equal to 5440 sft

<sup>&</sup>lt;sup>2</sup> 001 marlas is equal to 272 sft

### 1. Introduction

Roads and Buildings Department has undertaken Construction of Govt. Middle School at Kulhama Naidhal Bandipora, financed by World Bank under Jhelum Tawi Flood Recovery Project. Kulhama is one of the remotest villages of Block & district Bandipora situated towards its South West. The area is socially, economically and educationally backward. People here earn their livelihood mainly through manual labour. The area being low lying often gets inundated with slight down pour. During devastating floods of September 2014 whole area including Govt. Middle School Kulhama got inundated. The HFL recorded near the school was some 7 feet from ground level, upto lintel level.

Govt Middle School Kulhama has an appreciable roll of around 300 odd students both male and female with catchment areas like Kulhama, Gazipora, Nadirgund etc, spread around in an radius of almost 4-5 Kms. The school infrastructure got damaged during the devastating deluge of September 2014 and one of the structures got fully damaged with the result the school authorities are facing great inconvenience in conducting various education related activities / facilities. For restoring / reconstructing / augmenting the school infrastructure the school authority has requested for the requirements and accommodations needed by the Institution. This institution has enlightened thousands of souls over past many decades and has contributed a lot in the field of education. The School was established in 1960 and it is managed by the Department of Education. It is located in Rural area. The school consists of Grades from 1 to 8. The school is Coeducational and it have an attached pre-primary section.

The proposed building shall have 4 rooms set with separate male & female toilets. 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 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, and 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. The building shall be constructed on smart class pattern with adequate audio, visual and internet facilities.

### 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 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 state's vulnerability to both floods and earthquakes, the infrastructure will be designed with upgraded resilient features, and will include contingency planning for future disaster events. Therefore, the project aims at both restoring essential services disrupted by the floods and improving the design standard and practices in the state to increase resilience.

### 1.2 Project Development Objective

The Project Development Objective (PDO) is to support the recovery and increase disaster resilience in targeted areas of the state, and increase the capacity of the 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 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 schools, the reconstruction will be focused on replacement of damaged school 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.

Under component 1 the subproject "Construction of New 4 Room Building facility at Govt Middle School Kulhama Bandipora" has been proposed.

### 1.4 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. Environment and Social Findings

### **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 the existing school – Govt. Middle School Kulhama Bandipora ( Land Records with Translation Annexure – 4). No adverse Impacts during the operation phase and will be typical for operating educational institution. There are no sensitive areas like specially protected areas or threatened or endangered endemic species in the project area as defined in the ESDS.

The potential negative environmental and social impacts of the proposed Construction of a new Block Facilty at School premises at Kulhama Bandipora may have modest nature and are presented below;

1 Generation of waste material from the demolition activity of existing building at the proposed site;

- 2 Generation of construction wastes during construction activity;
- 3 Degradation of landscapes and access road.. Implementation of earthworks associated with construction works of new school and allied infrastructure may cause degradation of existing landscape. These impacts will be mostly associated with installation of on-site concrete-mixing plant, construction material storage and waste temporary accumulation site;
- 4 Impacts from temporary access roads and work sites. As well as construction materials storage and waste temporary accumulation site, camp, machinery site, storage facilities can enhance and degrade the existing landscape;
- 5 Pollution of water and soil by construction run-offs. Improper storage of construction materials, construction waste and excavated materials, as well as spillage of fuel, oil and other substances during construction can cause pollution of soil and/or water. It should me mentioned that there are no water bodies located nearby the proposed construction site;
- 6 Noise and vibration disturbances during construction are related to the execution of civil works and transportation of construction materials/waste. These impacts will occur during the construction works and will include noise and vibration caused by operation of heavy machinery; Temporary air pollution occur during construction works and includes release of dust from excavation/loading works and heavy machinery operation, emission of harmful substances from combustion of diesel used by transportation means and machinery during the construction works, emissions from welding, concrete-mixing, asphalt-placing, activities, as well as dust caused by improper storage of friable construction materials and non-timely disposal of friable construction waste.
- 7 Safety Issues for the main operational school and contractor's workforce & staff, supervisory teams etc., during construction phase of the project.
- 8 Statutory requirements during execution of the project.

9 Disturbance to nearby located residents is associated with temporary air pollution, noise and vibration caused during implementation of civil works and operation of heavy machinery.

### Social Issues

The sub-project does not require land acquisition either private or government. It's proposed inside the existing school having proper boundary wall and gate. As per the revenue record, the school is built on the government land over khasra number 942 and total area under the ownership of school education department is about 41 kanal<sup>3</sup> and 41 Marlas<sup>4</sup> i.e. 21757.15m<sup>2</sup>.

Therefore, no land either private or government is required for the proposed construction. In light of the above, there is no requirement of Social Impact Assessment for the proposed sub-project.

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

It is concluded, that the proposed sub-project does not involve any land acquisition as the sub-project involves construction of new school block facility on available Govt. land and on existing school land area. Therefore, no further detailed Environment & Social study is required.

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<sup>&</sup>lt;sup>4</sup> 001 marlas is equal to 272 sft

#### 3. Public Consultation

The decision/proposal was well considered and in line with the recommendations of education department and concerned authority of post September 2014 deluge, and according to which the most optimal choice is construction of new block facility of school with modern standards and design criteria including the separate toilet facilities. On 21 December 2017, the teachers, administrative staff, students, and general public were consulted based on the procedural guidelines of reaching public required for the preliminary baseline characteristics of environmental and social screening. Meeting/discussions were held with the people living nearby the proposed site and depicts the positive attitude towards the proposed construction of a new school building. The other school buildings and residential houses are located in sufficient distance from the construction site and will not be adversely impacted by proposed project.

### **Consultation Questions discussed**

- About project and its source of assistance, its implementation/execution etc.
- Proposed construction of new school block with separate male & female toilet blocks and the perceived Information on the benefits of the subproject and environmental enhancement
- Concept of ESMP and present study of Environment and Social Screening requirements and benefits.
- Construction activity whether causing any type of health hazard or not? And mitigation measures.
- Discussion among general public and staff for sharing of information related to project, environment/ social policy of World Bank, direct and indirect impacts of construction work on environment.
- Protection and conservation aspects of environmental attributes
- Mechanism and operation of grievance redressel system in case of any public complaints during project execution.

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

Valuable feedback was received from the consultation conducted on 21 December, 2017 with the school staff, students and general public as summarized below;

During discussion/ consultation with Teaching and Non teaching staff of school for the proposed project, they were apprised about the project operation especially safeguard policy of the World Bank. Present study including Environmental and Social Screening purpose was also discussed" in detail and following general suggestions were recorded;

- They were in the opinion that the design criteria for the school should be finalized by the World Bank.
- They suggested that separate toilet facilities should be included in new construction and also complained about non availability of drinking water facilities.
- Students and general public attitude with the apprised questions on "New school building facility" was enthusiastic and about the benefits of the subproject and also an improvement in the environmental quality. At the same time they were keen to learn about the World Bank funding.
- People are ready to extend all types of support during execution of the subproject. The proposed construction of new block facility will not have adverse effects on local population in their daily activities due to construction work as the construction is confined within the boundary of the school premises. Although, temporary inconvenience will be there mainly attributed to material transportation during the construction phase.

PW (R&B) department as PIU/ implementing agency ensured that the requisite environmental mitigation measures shall be incorporated in EMP 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.

### **Annexure 1**

### **Environment and Social Screening**

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

1. Name of the sub-project	Construction of 4 Room Block at Govt. Middle School Kulhama Bandipora Kashmir				
2. Type of proposed activity (tic	k the applicable option and provide details)				
<ul><li>Road</li></ul>	-				
Bridge	-				
Fire Station	-				
Hospital/Health Facility	-				
Educational Institute	Govt. Middle School Kulhama Bandipora Kashmir				
Building for Livelihoods	-				
Flood Infrastructure Related	-				
Other Public Building					
Any Other (Please Specify)	-				
3. Location of the proposed sub-project					
Name of the Region	Jammu & Kashmir				
Name of the District	Bandipora				
Name of the Block	Bandipora				

Name of the Settlement	Kulhama		
• Latitude	34.3877 E		
<ul> <li>Longitude</li> </ul>	74.6463 N		
4a. Proposed Nature of Work (ti	ck the applicable options)		
Minor Repairs	-		
Major Repairs/Rehabilitation	-		
Upgrading/Major Improvement	-		
Expansion of the facility	-		
New Construction	$\checkmark$		
Any Other	-		
4b. Size of the sub-project (approx. area in sq. mt/hac or length in mt/km, as relevant)	2960 Sq.Ft		
5. Land Requirement (in hac./sq.r	nt.)		
Total Requirement	-		
Private Land	-		
Govt. Land	- ( Existing School Premises)		
Forest Land	-		
6. Implementing Agency Details (	sub-project level)		
Name of the Department/Agen	cy PW (R&B) Kashmir		
Name of the contact person	Er. Abdul Qayoom Kirmani		
<ul> <li>Designation</li> </ul>	Superintending Engineer		
Contact Number	+91- 9419951666		

■ E-mail Id	-
7. Screening Exercise Details	
Date on which it was carried out	21/12/2017
Name of the Person	Mr. Yadullah Shah
Contact Number	+91-9622672672
E-mail Id	yaadshah@gmail.com

# Part B (1): Environment Screening

	Question	Yes	No	Details			
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		No	
k. Other category of Forest		No	
ı. Wetland		No	
m. Natural Lakes		No	
n. Rivers/Streams		No	
Question	Yes	No	Details
o. Swamps/Mudflats		No	
p. Zoological Park		No	
q. Botanical Garden		No	
4. Is the sub-project located in following sensitive features?		or pai	t within 500 mts. of any of the
a. World Heritage Sites		No	
b. Archaeological monuments/ sites (under ASI's central/state list)		No	

	Т		
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	Yes		Small local Naaru Nallah flowing from 300 mts of sub-project site
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?	7 fee	et	
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	

Part	B (2) : Result/Outcome of Environmental So	creening 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	No No permission required as the area falls in rural belt.
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.

# Part C (1): Social Screening

1. Does the sub-project activity require acquisition of land?					
Yes		No			√
		Private Land	(sc	q mts/hac.)	No
Give the following de	etails:	Govt. Land (s	ı pa	nts/hac.)	No
		Forest Land (sq mts/hac.)		No	
2. Does the propo existing structu		ıb-project acti	vit	y result in demo	lition/removal of
Yes		<b>√</b>		No	
If so, give the follow	ing deta	ails:			
Number of public s	structui	res/buildings		be demol	School Structure to ished which got 2014 floods.
Number of common property resources (such as religious/cultural/ drinking water/wells/etc.)					
Number of private on private or publi		•		-	
3. Does the propo	sed pr	oject activity	res	sult in loss of cro	pps/trees?
Yes				No	V
4. Does the proposed Project activity result in loss of direct livelihood/ employment?					

Yes		No	<b>√</b>			
5. Does the proposed activity result in loss of community forest/pastures on which nearby residents/local population are dependent?						
Yes		No	<b>√</b>			
	If yes, give the details of the extent of area to be lost (in acres/hac).					
6. Does the pr communities?	oposed Project a	ctivity affect sche	eduled tribe/caste			
Yes		No	<b>√</b>			

### 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	No
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 will not have any significant environmental & social impact because the project will not involve any forest land, destruction of ecological resources, displacement of people or any major environmental threat/risk etc. However, for the construction of 4 room new structure, existing 01 structure of school need to be demolished, which has been declared unsafe due to 2014 floods.

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 compare with its long term benefits to the public.

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

### **Statutory Clearances/ No Objection Certificate:**

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-2: Photographs of Proposed Site for construction of New School Block





**Existing School Building** 

# **Consultation Photographs**



**Consultation with School Staff** 

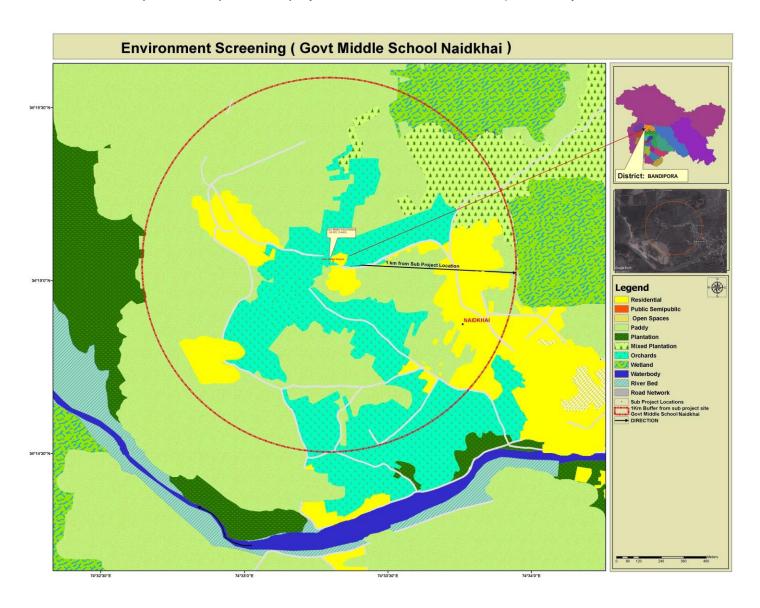




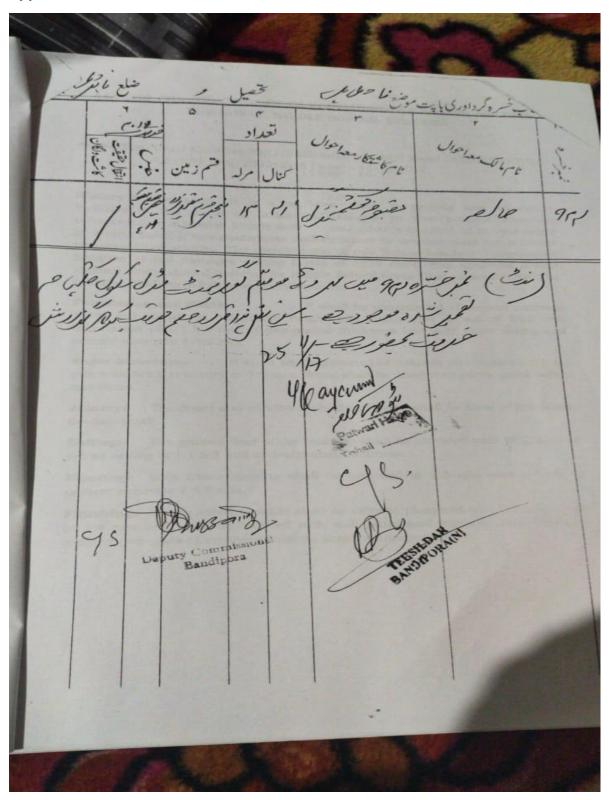


**Consultation with Students** 

Appendix-3: Satellite Map of the Proposed Subproject site of New School Block (GIS MAP)



**Appendix 4: Land Records with Translation** 



# Translated Copy of Revenue Extract of land Extract of Khasra Girdawari (Harvest Inspection Register) for the Village: Nadhihal, District: Bandipora Remarks Rab (Spring Harvest) Survey Name of Name of Type of Area Cultivation & Mutation No. the Owner Land Type Kanal Maria Tax/ Levies tenant 942 School Govt 41 Banjri. Qadeem Department Middle School Kulhama Note: Detailed report on extract of Jamabandi (Record of rights/ land dues) as per above statement. The Govt. Middle School Kulhama is constructed on Land under Khasra No 942. - Franketod off

## Annexure 4 List of consulted stakeholders and their Signatures

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S.No	hort Middle		Occupation B	Gender	*Signature	
1	Shored th	Kullena	Labor	M	Show hat	
1	Shuhmanues	Kupwala	Shulet	M	PS3 Shal	-
3	grostia st.	Kulhama	Labour	N		-
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	neond Asher	_du-	Serve	M	Lillys	- 17
	- Javaid A.	-dis-	Labour	M.	javista	-
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110	Jane & Kund	o Vindeland			(tomiday )	-
//	Abolus Earlicea Mix	Kullyan	a teach	er M	ash P	
	Environment of Soci	al Screenina (JTF	RP)		Signature 3	el.
	Environment of 300%			1		

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+			GROPALS	_ £ _	ISLAND BOND
3	Shahesta Jalal		student	-1-	Shahasta Jalal
4	rossal Bano	_1-	Shident	1	massot Bono
5	nelofax Fuxool	- 40 -	Student	*	nelesax
6	Afrogo Baro	- d	trabute	f	Afrogal
7	IRS has NABI	_ J	student	M	Ann-
4	ISHIAR	- 1	student	m	ISULAR
9	plupis	- d	student	m	ouais
1-	Sabreona	_ do -	student	7	Sabroona
11	Riz wan AKThes	, - d	Stadent	F	Riz warma po
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