



CLUSTER: No 3 / CASSIS / 26.04.13 / REPORT 03 Ashween Ramhotar TEAM LEADER: MEMBERS: Arkam Gunness; Avish Mungur



**URGENT ATTENTION REQUIRED** 

CLUSTER: No 3 / CASSIS / 26.04.13 / REPORT 03 Ashween Ramhotar TEAM LEADER: Arkam Gunness; Avish Mungur MEMBERS:



# **MAURITIUS - FLASH FLOODS - MARCH 2013 EMERGENCY RECONSTRUCTION/ACTION PLAN** SITES & BUILDINGS SURVEY / Ref FF-003

AUGUSTE

Status: Renting

Problem: Requires immediate attention since house is in very bad state and water accumulates on site all the time.

Recommendation: URGENT RELOCTION

#### JOHN FREDERIQUE

Status: Owner with inheritance problems Problem: House in very bad state. One

old/crippled person staying. No sanitation. Recommendation: URGENT RELOCTION





## **ALFRED FAMILY**

& 4

Status: Owner Problem: House at the end of a long & narrow 'cul de sac'. Rainwater goes through house when there is rainfall.

Recommendation: Find drainage solution

**Cassis Church** 

#### **STEEVE & PATRICK GENAVE**

Problem: House at the end of a narrow 'cul de sac'. Rainwater accumulates when there is rainfall. House in very poor condition with lack of sanitation. Dangerous for children.



Status: Renting

Recommendation: URGENT RELOCTION

CLUSTER: TEAM LEADER: **MEMBERS:** 

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Page 3 of 10



**FACT SHEET** 

**MEMBERS:** 

Arkam Gunness; Avish Mungur

FACT SHEET				
1 AUGUSTE FAMILY		2 FREDERIQUE FAMILY	3 GENAVE FAMILY	/
HUSBAND - Gerard A	UGUSTE	HUSBAND - John FREDERIC	HUSBAND - Steve GENAVE	н
AGE - 41 yrs		AGE - 85 yrs	AGE - 45 yrs	A
OCCUPATION - Fabricar		OCCUPATION - Retired	OCCUPATION - fisherman	C
SALARY - around Rs 5,5	Suu per month	DISABILITY - yes	SALARY - around Rs 7000 per month	5
WIFE - Natacha AUGU	STE	WIFE - Francoise FREDERIC	WIFE - Jamie GENAVE	v
AGE - 31 yrs		AGE - 80 yrs	AGE - 26 yrs	A
OCCUPATION - maid	000 non month	OCCUPATION - Retired	OCCUPATION - Housewife	С
SALARY - around Rs 5,	,000 per month	DISABILITY - medical problem	SALARY - none	S
	me - around Rs 10,500	<ul> <li>Total monthly income - to be confirmed</li> </ul>	<ul> <li>Total monthly income - to be confirmed</li> </ul>	•
2 DEPENDENT CHIL	.DREN			
DAUGHTER - Tessa AU	GUSTE	DAUGHTER - Joyce FREDERIC AGE - 48 yrs	SON - Ashley ESPLACATOU AGE - 20 yrs	S
AGE - 14 yrs	GOSTE	OCCUPATION - to be confirmed	OCCUPATION - unemployed	A
SCHOOL - Form 4,sss To	our Koenig			C
SON - Jerzy AUGUSTE		SON - Paul FREDERIC	SON - Ludovic GENAVE	5
AGE - 5 yrs		AGE - 50 yrs	AGE - 18 yrs	c
SCHOOL - Pre primary		OCCUPATION - Scavenger	OCCUPATION - Macon	 
Renting House		SALARY - to be confirmed	SALARY - to be confirmed	Ć
Renting House		NEPHEW - Eric LINDOR	SON - Steven JAUNE	
		AGE - 36 yrs	AGE - 17 yrs	S
		OCCUPATION - Tolier	OCCUPATION - Unemployed	A
	•	SALARY - to be confirmed		C c
		Owner with inheritance problems	3 DEPENDENT CHILDREN	5
		• Owner with interitance problems	DAUGHTER - Mary Jane GENAVE	S
	I		AGE - 17 yrs	A
			SCHOOL - Medco Cassis (prevoc)	C
	I		DAUGHTER - Naomi GENAVE	
			AGE - 12 yrs	•
			SCHOOL - Medco Cassis form 1 (prevoc)	
			SON - Rick GENAVE	ے ۸
			AGE - 10 yrs	S
	I		SCHOOL - std 6 at Cite Vallejee primary school	C
	1		1	A
	I			C
				D
				A S
	I			с С
			1	
	•		•	
				د د
ABILITY TO PAY RENT - yes		ABILITY TO PAY RENT - yes	ABILITY TO PAY RENT - to be confirmed	<u>ح</u>
CLUSTER: No 3 / CASSIS / 26.04.13 / REP		L3 / REPORT 03	The two GENAVE families, a total of 18 persons, are c	
TEAM LEADER: Ashween Ramhotar			tion. The site is situated at the end of a sloping down bad sanitary condition and small children are exposed	
		D. d		

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# **4** GENAVE FAMILY

**HUSBAND - Patrick GENAVE** AGE - 48 yrs OCCUPATION - mechanic SALARY - tobe confirmed

# **WIFE - Euridith GENAVE**

AGE - 48 yrs **OCCUPATION** - Housewife SALARY - none

• Total monthly income - to be confirmed

## SON - Kevin ADRIEN

AGE - 29 yrs OCCUPATION - macon SALARY - To be confirmed

## **SON - Kenny Adrien**

AGE - 27 yrs **OCCUPATION** - Unemployed

## **SON - Gerald ADRIEN**

AGE - 25 yrs OCCUPATION - Macon SALARY - to be confirmed

## SON - Kurt GENAVE

AGE - 21 yrs **OCCUPATION** - Unemployed

• 5 DEPENDENT PERSONS

## **SON - Kimberley GENAVE**

AGE - 18 yrs SCHOOL - Upper Six - Bartholemy **CONCUBINE - Marguerite LAURENT** AGE - 25 yrs **OCCUPATION** - Housewife **DAUGHTER - Anaelle Jhurrua** AGE - 4 vrs SCHOOL - Cite Vallejee School DAUGHTER - Alise LAURENT AGE - 3 yrs SCHOOL - Eveil de Cassis **SON - Kane ADRIEN** AGE - 2 yrs

tly staying in one small house in very bad condiwhere water accumulates during rainfall. Very arious diseases.



**MEDIUM & LONG TERM ATTENTION REQUIRED** 

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# **MAURITIUS - FLASH FLOODS - MARCH 2013 EMERGENCY RECONSTRUCTION/ACTION PLAN** SITES & BUILDINGS SURVEY / Ref FF-003



Regions where water accumulates

The topography of the land is such a way that water drains towards the sea but gets trapped to a certain extent since land alond shoreline is higher than the level of most houses in the same area.

Page 6 of 10



# **VARIOUS SOURCE OF PROBLEM IDENTIFIED & POSSIBLE SOLUTIONS**

### Problems caused by Topography, geographic location of Cassis

- Region is surrounded by the Moka Range Mountains creating an encalve
- Flat with a gentle slope towards the sea with several pockets of low level.
- Poor absorption ability due to saturated soil, dry soil in the area and sea level.
- At Bain Des Dames, shore is at a higher level than the road level, thus preventing rainwater to dissipate.
- During high tide, sea level raises up to drains, with no water evacuation possibilities.

#### Possible solutions

Land at Regions marked B on plan to be Lowered through either Government innitiative or a series of Private micro pro jects.

## Problems caused by lack of planning & maintenance

- Lack of proper planning of infrastructure for whole region.
- No proper drainage network. Narrow roads donot have drains and slope to dead ends. Little to no maintenance
- Runoff in larger streams located at upper land become narrower along coastal region, thus overload the drainage network.
- Buildings on boundary line and immediately next to drainage network, setbacks have not been respected.
- No proper means for collecting larger waste items such as discarded furniture/appliances. Tend to get accumulated.

### Possible solutions

- Drain building projects in Regions marked A on plan through either Government innitiative or a series of Private micro pro jects.
- Cleaning day/s to be organised by local social NGO involving people of the area for a general cleaning/maintenance of drains and waste lands. This can be used as sensitisation campeign.
- Municipality to be approached for pickup of heavier waste at least once a year.

#### **Problems caused by Residents**

- People in Cassis lack the awareness of consequences if rubbish is thrown in drains or blocking drains.
- Need to find other means to discard major waste in a proper location rather than just throwing it around the corner.
- No proper drainage system for roof rain water run-off, discharge directly on roads/laneways.
- Some tenants are keen and volunteer for upgrading the rented property but landlord are not willing to cope.

#### Possible solutions

- Cleaning day/s to be organised by local social NGO involving people of the area for a general cleaning/maintenance of drains and waste lands. This can be used as sensitisation campeign.
- Other means of sensitisation process to be identified (ex in schools, social projects involving residents) to help keep area clean and to avoid problems related to unawareness of people.
- Relocate critical families to other housing accomodation offered by Government (ex NHDC houses). •

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Region A indicated on plan









Page 8 of 10



	2	3	4	
CLEANING OF DRAINS	CUT OFF DRAINS & NEW DRAINS	FILLING UP OF LOW SPOTS	NEW DRAINS, RETAINING N LANDSCAPE TO PREVENT EF	
LOCATION REFERENCE	PROJECT NAME		ACTION TYPE	ACTION AGENT
MC1	Menagerie ROAD	project	1, 2, 5, 7, C, D, E	CARITAS/ASF/CSR/GOVT/LOCALS
MC2	Menagerie LANES	S project	1, 2, 5, 6, 7, C, D, E	CARITAS/ASF/CSR/LOCALS
MC3	Menagerie drain	rehabilitation	1, 2, 3, 5, C, D, E	CARITAS/ASF/CSR/GOVT/LOCALS
MC4	Bain des dames C	OASTAL ROAD project	1, 2, 3, 5, A, C, D, E	CARITAS/ASF/CSR/GOVT/LOCALS
MC5	Bain des dames S	HORELINE project	1, 2, 3, 4, 5, A, B, C, D, E	ASF/CSR/GOVT/ <mark>LOCALS</mark>
MC6	Bain des dames S	TREET project	1, 2, 5, 7, C, D, E	CARITAS/CSR/ASF/GOVT/LOCALS
MC7	Bain des dames S	TATE LAND project	2, 3, 4, 5, 7, A, B, C, D, E	CARITAS/CSR/ASF/GOVT/LOCALS
MC8	Stevenson street	project	1, 2, 3, 5, 6, 7, C, D, E	CARITAS/CSR/ASF/GOVT/LOCALS
MC9	Marie street proj	ect	1, 2, 3, 5, 6, 7, C, D, E	CARITAS/CSR/ASF/GOVT/LOCALS
MC10	Les Salines projec	t	1, 2, 3, 5, 6, 7, C, D, E	CARITAS/CSR/ASF/GOVT/LOCALS

## **AESTHETIC ADDITION TO ENHANCE QUALITY OF SPACE**

- A LANDSCAPE ELEMENTS
- **B BENCHES, BINS AND OTHERS**
- C LAMP POSTS
- **D NEW & DESIGNED PAVEMENT FINISHES**

## E - NEW ASPHALT SLOPING TOWARDS DRAINS

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- Identify zones where such an action is required
- Design a proposed drainage system or retaining wall with necessary culverts and weep holes. Design hard and soft landscapes for these
- Liaise with necessary authorities to obtain necessary clearances to
- Carry out the micro project as required and under supervision of con-

Sensitize people about the reason behind such a micro project and the potential problems which may arise if not properly maintained.

# Aesthetic addition to enhance quality of space

- Set out an action plan identifying the possible cleaning operations and the necessary logistics which may be required.
- Liaise with authorities to obtain necessary clearances if required
- Liaise with other bodies which can provide/assist with logistics
- Carry out sensitisation/cleaning operations with locals
- Sensitize people through talks, posters, enforcing paradigm shifts and
- school level activities to inculcate a sense of belonging and necessity
- Identify zones/sites requiring such an intervention
- Liaise with neighbours to have a written accord de principe
- •Puncture walls as may be required without compromising the struc-

 Identify regions which can still be subject to a sudden/unpredicted rise in water level inspite of providing drains or similar water evacua-

# • Prepare emergency kit and distribute to vulnerable locals

Liaise with the residents to have them involved findin solutions to their problem & in the fabrication of flood gates/water barriers under