



DISTRICT FLOOD CONTINGENCY PLAN 2018

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INTRODUCTION OF NANKANA SAHIB

District Nankana Sahib was established on 01.07.2005. District Nankana Sahib is located about 90 kilometers west of Lahore and about 70 kilometers east of Faisalabad.

It comprises of following three Tehsils: -

- 1) **NANKANA SAHIB**
- 2) **SHAHKOT**
- 3) **SANGLA HILL.**

HISTORICAL SIGNIFICANCE

- Nankana Sahib is a sacred place for the Sikh community as it is the birthplace of **Baba Guru Nanak**, the founder of Sikh religion.
- Baba Guru Nanak Dev Jee was born on 15th April, 1469 at Rai-Bhoi-di Talwandi now called Nankana Sahib.
- Baba Guru Nanak died on 22nd September, 1539.
- For more than 500 years the city of Nankana Sahib has been pilgrim spot for thousands of Sikhs who visit each year.

ANNUAL FESTIVALS OF SIKH COMMUNITY

- 1) Birthday of Baba Guru Nanak Dev Jee (held in the month of November)
- 2) Saka Festival (held in the month of February)
- 3) Bisakhi Mela (held in the month of April)
- 4) Jore Mela (held in the month of June)
- 5) Death Anniversary of Maharaja Ranjeet Singh (held on 19th June)

DETAIL OF GURUDAWARS IN DISTRICT NANKANA SAHIB

- Gurudawara Janamasthan
- Gurudawara Ballila
- Gurudawara Patti Sahab
- Gurudawara Tanboo Sahab
- Gurudawara Chatti Patshahi
- Gurudawara Maljiv
- Gurudawara Kiyara Sahab

Nankana Sahib (Punjabi and Urdu: ننکانہ صاحب) is a city and capital of (Nankana Sahib District in the Punjab province of Pakistan. It is named after the first Guru of the Sikhs, Guru Nanak, who was born in the city and first began preaching here. Today it is a city of high historic and religious value and a popular pilgrimage site for Sikhs from all over the world. It is located about 80 km (50 mi) west of Lahore and about 75 km (47 mi) east of Faisalabad. The township was founded by Rai Bhoi and thus was known as Rai-Bhoi-Di-Talwandi. His great-grand son Rai Bular Bhatti, renamed it as 'Nankana Sahib' after the birth of Guru Nanak. The Gurdwara Nankana Sahib, originally constructed in around 1600 CE was renovated in 1819–20 CE by Gian-Punjab Maharaja Jassa Singh Ramgarhia. The Sikh Conference of Panjab, Jammu and Kashmir, Peshawar, Kangra and Hazara. During the Akali movement, on 20 February 1921, Narain Das, the Udasimahant (clergy) of the gurdwara at Nankana Sahib, ordered his men to fire on Akali protesters, leading to the Nankana massacre. The firing was widely condemned, and an agitation was launched until the control of this historic Janam Asthan Gurdwara was restored to the Sikhs. Again in the 1930s and 40's the Sikhs added more buildings and more architectural design.

Migration between India and Pakistan was continuous before independence. By the 1900s Western Punjab was predominantly Muslim and supported the Muslim League and Pakistan Movement. After independence in August 1947, the minority Sikhs and Hindus migrated to India while the Muslim refugees from India settled in the Western Punjab and across Pakistan.

The area around Nankana Sahib was formerly a tehsil of Sheikhpura District. In May 2005, the provincial government raised the status of Nankana Sahib to a district, as a way of promoting development in the area.

LOCATION

The shrine is located in the town of Nankana Sahib, located approximately 65 kilometres from Lahore. Nankana Sahib had previously been known as Rāi Bhoi Kī Talvaṇḍī but was eventually renamed in honour of Guru Nanak

BOUNDARIES

District Nankana Sahib is bounded as under:-

East	District Sheikhpura
West	District Faisalabad
South	District Kasur & River Ravi
North-West	District Mandi Bahauddin & River Chenab
South-East	District Faisalabad & Sheikhpura
South-West	District Kasur, Sheikhpura, Okara

In Nankana Sahib specifically hereby mentioned the location of rivers, drains/ Nullahs' and other potential sources of threats during monsoon due to floods, flash and heavy rains.

River Ravi : enter from District Sheikhpura to District Nankana Sahib from U.C Ghanaishpur, & Passes through U.C Joge Kot, U. C Haft Mader, U.C Kot Bini Das, U.C Chainpur, U.C Machora, U.C

Chak Huderabad, U.C Malka Hajji, U.C Syedwala, U.C Mehar Pur and left District Nankan Sahib and enter in District Faisalabad.

Nala Daik: enter from District Sheikhpura to District Nankan Sahib from U. C Meeran Pur & Passes through U.C Fatah Thatha, U.C Mangtanwala, U.C Nabi Pur Piran, U.C Kot Namdar, U.C Lurkha, U.C Shah Blawal, and left District Nankana Sahib and enter in District Faisalabad

CLIMATE

Weather

The district has extremes of climate. The summer season starts from the month of April and continues till October. May and June are the hottest months with day temperature usually ranging from 39 to 41 degree centigrades. The winter season begins from the month of November and continues till March. January is the coldest month with a mean minimum temperature of 5 degree centigrades. Dust storms occur occasionally during the hot season relieving temporarily the intensity of heat. Towards the end of June monsoon conditions appear and during the following two and half months spell of rainy season alternates with intervals of sultry weather.

Rainfall

Most of the rain falls in July, August and September during summer months and in January, February and March during the winter months. The average rain fall in the district is about 635 millimeters. The details in respect of temperature is given below.

AREA

The total area of the district is 2,960 km² (1,140 sq mi) , of which 80 percent is under cultivation. The district comprises of 478 Mauzas and following 3 tehsils major towns.

Name of Tehsil	Area (Acre)	No. of Villages
Nankana Sahib	410396	342
Shah Kot	102440	44
Sangla Hill	114206	52
Total	627042	478

GOVERNMENT OF THE PUNJAB

IRRIGATION DEPARTMENT



FLOOD FIGHTING PLAN 2018

BALLOKI HEADWORKS DIVISION BALLOKI

LOWER BARI DOAB CANAL CIRCLE SAHIWAL

PROJECT DIRECTOR LBDC IP LAHORE

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PART –A

CHAPTER -1

SALIENT FEATURE OF BALLOKI HEAD WORKS

1.1 LOCATION:

BallokiHeadworks is located at about 42 Miles south west of Lahore.

1.2 GENERAL DESCRIPTION:

River Ravi originates from the basin of Banga Hill and then flows through the valley into the state Chamba. After leaving the hilly region, the Ravi enters into Pathankot of Distt: Gurdaspur at Chaundh and after passing through GhurdaspurDistt: River enters into Pakistan territory at Shakargarh of Distt: Sialkot. It enters from Sialkot Distt: into SheikhpuraDisstt: near Village Burj and then again enters into Amritsar Distt: of India. After running ten miles in India, it again enters into Pakistan territory near the Village Auliapur. River Ravi reaches at Shahdara, after traveling 72 miles from jassar and then after running for few miles parallel to Lahore Multan Road reaches BallokiHeadworks with traveling distances of 54 miles. River Ravi then passes through Distt: Okara, Sahiwal, Khanewal and reaches at Sidhnai Barrage. Ultimately it falls into River Chenab downstreamSidhanai Barrage in Multan District:

TRIBUTARIES OF RIVER RAVI:

The River has following tributaries which contribute to its floods.

Sr.#	Name of Tributary	Length in Miles	Average Slope 100 Ft.	Catchment Area in Sq. Miles	Likely Maximum in cusecs.
1.	<i>The Ujh.</i>	80	31.6	675	249,000
2.	<i>The Besin.</i>	48	5.9	346	128,000

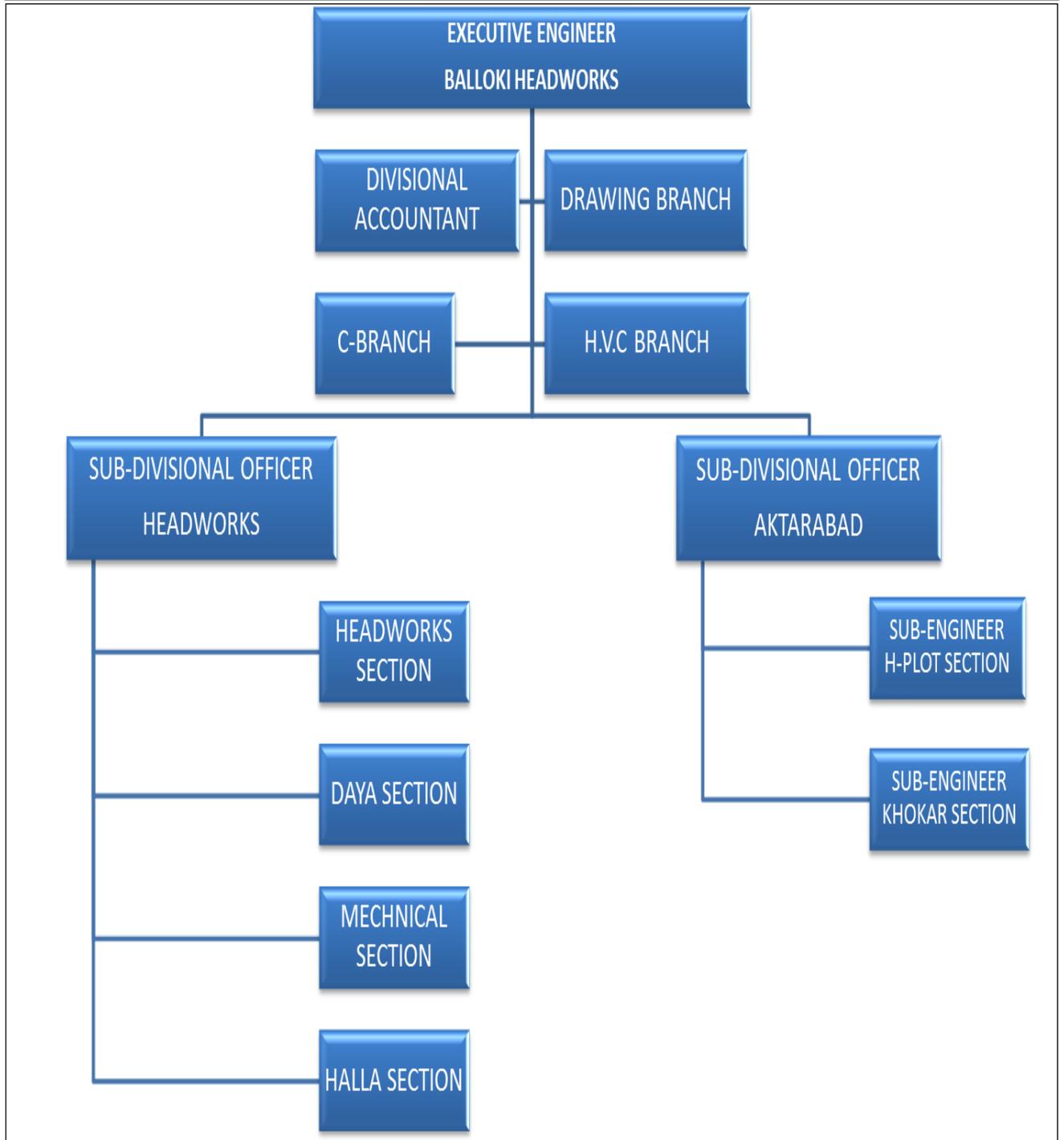
3.	<i>Basanter.</i>	45	6.4	224	83,000
4.	<i>DegNallah.</i>	160	7.4	458	100,000
5.	<i>Hodiara Drain.</i>	62	0.25	583	10,000

BALLOKI HEADWORKS:

Barrage was constructed On River Ravi during the year 1911-13 as a part of triple canal project to take Upper Chenab Canal (U.C.C) water across the Headwork's for feeding the L.B.D.C due to insufficient flow of River Ravi. The Barrage was originally constructed for a designed capacity 139,000 Cs but later on it was remodeled during 1963-65 for design discharge of 225,000 Cs. Lower Bari Doab and BallokiSulmanki Link Canals off-Take from left bank of Balloki Barrage.

LowerBariDoabCanal was originally constructed for a discharge of 6900 Cs subsequently raised to 8640 Cs and in 1985-88 remodeled to 9841 Cs. It is irrigating 1.88 million acres ofKasur, Okara, Sahiwal and Khanewal Districts. Balloki-Sulemanki Link was constructed in 1954 with a designed capacity of 15182 Cs to feed channels off taking at Sulemanki head works because of stoppage of supplies in River Sutlej by Indian Government. B.S.Link was remodeled to 18550 Cs in 1962-63 subsequently to 22000 Cs capacity in 1987-88.This canal has been further remodeled to 24500 Cs in year 2004-2005. B.S Link is the source of supply for Pakpattan Canal, Fordwah and Eastern Sadiqia Canal in Pakpattan, Bahawalnagar and Bahawalpur District.

L.B.D.C system and B.S.Link Canal System Irrigates directly or indirectly about 4.7 million acres fertile lands of Kasur, Pakpattan, Sahiwal, Okara, Multan, Khanewal , Bahawalnagar, and Bahawalpur districts. Balloki Barrage is thus serving about 23% of total CulturableCommand Area (CCA) of Punjab (20.11 million acres) and 12.36 % of entire CCA of the country (38 Million acres) so this barrage contributes a lot in the agricultural production and economy of Pakistan.



CHAPTER -2

FLOOD PROTECTION AND RIVER TRAINING WORKS

2.1 **DESIGNE PARAMETER OF TRAINING WORKS:**

S.No	Name of Bund	Off Take RD	Type	Length
	TEHSIL NANKANA			
1	Right Marginal Bund			26,500 ft.
A	Spur No. 10	1700 RMB.	Mole Headed	1,880 ft
B	Spur No. 3	3400 RMB	T-Headed Now hockey	1,300 ft.
C	Spur No. 4	5900 RMB	J-Head	2,300 ft.
D	Prong Spur No. 4		Mole Headed	325 ft
E	Spur No. 6	9250 RMB	-do-	4,800 ft.
f	Spur No. 5	17750 RMB	do-	5,360 ft.
G	Spur No. 11	21600 RMB	-do-	400 ft
	TEHSIL PATTOKI			
2	Left Marginal Bund			28350 ft
H	Spur No. 1	3220 LMB	T-Head	4,064 ft
i	Spur No. 2	8700 LMB	-do-	3,380 ft
j	Spur No. 8	12750 LMB	-do-	2,800 ft.
K	Spur No. 9	19825 LMB	Mole Headed	3,265 ft
l	Prong Spur No. 9	2000/spur 9	J-Head	2,800 ft.
M	Spur No. 12	24100 LMB	Mole Headed	1,500 ft
N	Spur No.7	9000/R LBDC	T-Headed	6,200 ft.
O	Spur No. 7-A	19500/R LBDC	Mole Headed	5,400 ft
P	Spur No. 7-B	22-23/LBDC	J-Head	9,200ft

Q	Link Bund 0-10700 left side along pacca road			
		TOTAL		132624ft
		SAY		26.52 Mile

2.2 LOCATION MAP:

Color ,legend, boundary

HAPTER -3

BRIEF HISTORY OF PAST FLOOD EVENTS

YEAR	DISCHARGE		BREACHED REACHES
1950	Through Barrage <u>Through Breaches</u> Total	2,25540 Cs <u>50,000 Cs</u> 275540 Cs	7 No Breaches in Madhudas Bund
1954	Through Barrage	1,75,000Cs	
1955	Through Barrage <u>Through Breaches</u> Total	1,44,360 Cs <u>60,000 Cs</u> 2,04,360 Cs	Breach occurred at junction of RMB and Abandoned UCC ; and in Madhudas Bund.
1973	Through Barrage Through Breaches Through MadhudasBund Total	1,83,000 Cs 40,000 Cs <u>75,000 Cs</u> 2,98,000 Cs	7 No Breaches along LMB and 10 No Breaches in Madhudas Bund.
1975	Through Barrage	1,80,205 Cs	9 No Braches occurred in Madhudas Bund

1978	Through Barrage	2,34,474 Cs	7 No Breaches occurred in Madhudas Bund
	Through LBDC	2000 Cs	
	<u>Through B.S.Link</u>	<u>19,500 CS</u>	
	Total	2,55,974	
1988	Through Barrage	2,40,845 CS	12 No Breaches occurred in Reach RD 0-24500/RMB
	<u>Through Breaches</u>	<u>1,40,000 Cs</u>	
	Total	3,80,845	

CHAPTER -4

DESIGNED DATA, HISTORIC PEAK FLOOD DATA AND PREVIOUS 05 YEARS FLOOD DATA OF HEADWORKS AND OTHER CONTROL POINTS:

4.1 FLOOD LIMITS:

Since there is a Head works / Barrage in the jurisdiction of Balloki Headworks Division. Therefore this Division has to come active with respect to discharge downstream Balloki Barrage River Ravi. The terminology of different kinds of flood is low, Medium, High, Very high and exceptionally high will be taken as such in the light of message received from Balloki Barrage. Flood limits are as under.

1.	Low Flood	40000 -65000 Cs
2.	Medium Flood	65000 -90000 Cs
3.	High Flood.	90000 -135000 Cs
4.	Very High Flood	135000-180000 Cs
5.	Exceptionally High Flood	180000 Cs and above

4.2 TIME LAGS:

Distance from Jassar to Shadara	=	72	Miles
Time Lag	=	36	Hours

Distance from Shahdra to Balloki Barrage. = 54 Miles

Time Lag = 19 Hours

Distance from Head Q.B. Link to Balloki Barrage = 80 Miles

Time lag = 24 hours

Outfall of DegNullah = 35 Miles

Time lag = 16 hours

4.3 HIGHEST FLOODS:

Year	Flood level		Through Headworks	Through Breaches in Embankments		Through Canals		Total
	U/S	D/S		Left Side	Right Side	LBDC	B.S. Link	
			Cusecs	Cusecs	Cusecs	Cusecs	Cusec	Cusecs
1950	636.50	634.70	225,540	-	50,000	-	-	275,540
1955			144,360		60,000			204,360
1973	636.50	633.70	183,000	40,000	75,000			298,000
1976	636.90	633.90	234,476	-	19,500	2000	-	255,976
1988	638.00	636.50	240,845	-	140,000	-	-	380,845

4.4 PEAK DISCHARGE:

YEAR	DATE	DISCHARGE	
		U/S	D/S
2000	30.07.2000	71530	46530
2001	17.08.2001	76240	46,940
2002	15.08.2002	57710	28,110
2003	06.08.2003	74000	44,700

2004	21.08.2004	71825	40,425
2005	09.07.2005	53285	25,185
2006	03.09.2006	67530	41,280
2007	02.07.2007	65365	37,865
2008	18.08.2008	90740	67,190
2009	31.07.2009	46000	14,000
2010	23.08.2010	69935	41,235
2011	15.08.2011	72642	43,942
2012	25.08.2012	62165	30,565
2013	19.08.2013	117770	97,970
2014	09.09.2014	131800	1,18,000
2015	25.09.2015	73740	57740
2016	0.5.09.2016	43465	
2017			

CHAPTER -5

FLOOD FIGHTING STRATEGY

Though all precautionary measures are adopted before flood season to face any alarming situation at Balloki Headworks, even then arrangements are necessary to avoid heavy damages and flood fighting strategy is adopted in such a way that flood water passes safely through Barrage, up to its limit.

In low flood, river water remains within the deep channel and does not cause any problem if regulation of gates is done as per rules. Watching establishment employed for this purpose will remain busy in removing jungle, filling gharas and porcupine holes if any.

When water increases beyond sixty thousand cusecs, it will start spreading on adjoining area and also touching the toe of bunds. Then it becomes necessary to be vigilant and watching of bunds will be started to avoid any leakage from bunds. Sub Engineers will shift their camps to sites as per duty roaster. Hourly gauges and discharges will be conveyed to civil administration and flood warning centers to inform public accordingly

When river water enters into high flood range, Sub Divisional Officer Akhtarabad will shift his camp at Balloki to supervise staff working on LMB and D/S spurs. In whole period regulation will be done in such a way that silt deposit in front of canals may be washed D/S of the river to minimize silt entry in to canals. Silt contents in water will be checked thrice a day and if it exceeds the permissible limit, canals will be closed accordingly.

Gauges of different sites especially at RD 24100 of LMB will be noted regularly and recorded. Executive Engineer will inform all agencies especially civil administration as well as Army about flood situation in rising position. In case of very high flood or exceptionally high flood, meeting will be held in field office with Army and Civil Administration to face the situation.

Two dozers will be kept ready at RD 17750 RMB and RD 19825/LMB for making cuts and closing breaches as and when required according to the circumstances .When gauge RD 24100/LMB touches level 644.50 and is found in rising position it will be the duty of District Co-ordination Officer concerned to request Army for operation of breaching section for the safety of Headworks. When water subsides the breaching sections will be closed (If operated) as soon as possible.

CHAPTER -6

FLOOD DAMAGES RESTORATION WORKS

There was no major Restoration work carried out from the year 2011-2012 because work of Rehabilitation and Up gradation of Balloki Headworks (BB-01) has been started. Restoration of flood embankments are component of this scheme.

FLOOD WORKS CARRIED OUT DURING THE YEAR 2017

Sr. #	Name of Works	Amount in Million Rs
1.	Maintaining and Repairing of LMB and its allied spurs U/S BLK Head works	0.850
2	Maintaining and Repairing RMB and its allied spurs U/S BLK Head works	0.965

CHAPTER -7

FLOOD FIGHTING / WATCHING ARRANGEMENT

7.1 PRE-FLOOD ARRANGEMENT:

The watching establishment on marginal bunds is required to be employed as per following scale in accordance with the approval given by Chief Engineer Irrigation Multan vide his letter No. 16746-49 dated 31-05-79 (Duty Roster attached). In addition material, which will be placed at different hut sites, an additional material will also be required in order to meet with extraordinary worst situation and to recoup the site situation. Hence the Flood fighting material will be kept ready in the Workshop for this purpose.

PRE-FLOOD ARRANGEMENT

- a) Socking watching of wetting channels along LMB and RMB
- b) Painting data boards and gauges along LMB and RMB
- c) Strengthening weak sites of wetting channels and main embankments
- d) Installation of liners at approved breaching sites

All necessary accessories relating to the flood have been arranged.

7.2 WATCHING ESTABLISMENT:

The watching establishment on marginal bunds is required to be employed in accordance with the approval given by Chief Engineer Irrigation Multan vide his letter No. 16746-49 dated 31-05-79

7.3 ARRANGEMENTS AT SENITIVE SITES:

In case of emergency at sensitive sites the arrangements for the duty roster is as under required.

S.No	NAME OF SPUR	VOULNERABLE REACH	REQUIRED NO OF POLICEMAN		REQUIRED NO OF RANGER
1	RIGHT MAGINAL BUND	11000-12000	ASI =1 No Constable =10	SHO =1 No	10 No
2	RIGHT MAGINAL BUND	24000-25000	ASI =1 No Constable =10		10 No
3	LEFT MAGINAL BUND	12000-13000	ASI =1 No Constable =10		10 No

7.4 WATCHING MATERIAL:

Watching material, which will be placed at different hut sites, an additional material will also be required in order to meet with extraordinary worst situation and to recoup the site situation. Hence the following material will be kept ready in the Workshop for this purpose.

S.NO	MATERIAL	REQUIRED	AVAILABLE	BALANCE
1	Kassieswith Handles	250 Nos	160 Nos	90 Nos
2	Shovels	60 No.	30 No.	30 No.
3	Axes with Handles	200 NO	100 NO	100 NO
4	Kerosene Oil.	3000 GLN	1000 GLN	2000 GLN
5	Ballies	350 NO	200 NO	150 NO
6	Sutli	50 KG	20 KG	30 KG
7	Basket	400 NO	200 NO	200 NO
8	Needles	40 DOZN	22 DOZN	18 DOZN
9	Mental	10 DOZN	2 DOZN	8 DOZN
10	Manila rope	500 KG	150 KG	350 KG
11	Hand Saw	30 NO	10 NO	20 NO
12	Hand Pumps	10 NO	6 NO	4 NO
13	Steel wire rope	500 LFT	200 LFT	300 LFT
14	Khajji Mates	1000 NO	600 NO	400 NO

7.5 ARRANGEMENT FOR SOUNDING & PROBING:

The arrangement for sounding and probing will be taken up with the motor boat.

7.6 LIGHTING ARRANGEMENT:

To avoid all the chances of electricity break down, additional light arrangements parallel to existing system i.e.WAPDA will be arranged. For generating power, there will be very reliable generating set, with 2 No.

standby units. At present we have got arrangements of sodium lights. All along the Barrage and Head Regulators of the canals, our own generating set is not in a position to generate such voltage, so the only alternative left with the system is to have separate ordinary lights / circuits at the Barrage. Generating set will be arranged through MIW Division and lightening arrangement will be done after its approval.

7.7 RATION ARRANGEMENT:

Ration will be arranged by the local agencies and through NGO,s etc,

7.8 P.O.L ARRANGEMENT FOR VEHICLE:

The stock of the POL will be arranged in workshop at BallokiHeadworks for the vehicles of the Department.

TRANSPORTATION :

During flood when the discharge is likely to increase 1,35,000 Cs. All staff will be alert to face any emergent situation. The position of Transportation as under.

Name of Vehicle	Demanded	Available	Balance Requirement
1. Jeep	6	3	3
2. Pick up	6	2	4
3. Truck	4	-	4
4. Tractor and Trolleys	4	1	3
5. Motor Boat	3	1	2
6.			

Sub Engineer Workshop (Mechanical) will be the in charge of this unit and all vehicles will be kept ready in the compound of Workshop. Balance requirement of vehicles will be arranged with the help of District Coordination Officer.

7.10 LAW AND ORDER

The **Deputy Commissioner** has to make arrangement for the evacuation of the Public within LMB and RMB and the population coming on route of spill water. **Military Authorities** keeps ready for emergency operation. Police has to watch that no unauthorized cuts are made by public especially along LMB & RMB. **Engineers 4-Corps** is responsible for energizing the Breaching Section, when water Level approaches 644.50 mark at the emergency/critical gauge installed at RD 24+100 LMB

7.11 MEDICAL ARRANGEMENT FOR LABOUR:

During flood season there is very possibility of falling sick and incidents of snake bites are of common occurrence. To control all this, an equipped medical centre with adequate medicines and vaccine for

the snake bites will be made available at site. There will be two M.B.B.S Doctor with 4 Dispensers out of which one Doctor and 2 Dispensers will perform the duty for 12 hours (with six hours interval). Their camp will be fixed at the Barrage. The **Health Department** is responsible when the discharge increases the limit of 135,000 Cs.

7.12 LIAISON WITH OTHER DEPARTMENT:

Executive Engineer, Balloki Headworks Division will keep liaison with the Civil and Army Authorities and will also keep the Superintending Engineer, LBDC, Sahiwal and Project Director, Project Management Unit (PMU), LBDCIP, Lahore fully apprised of the flood situation at Balloki Headworks.

7.13 ROLE OF ARMY:

There are two Breaching Sections located at RD 11-12 Right Marginal Bund and at RD 48-49 Madhudas Bund approved vide the **Secretary Irrigation & Power Department Lahore memo no.110/F-C-75/410-15/64/75**. There is a critical gauge fixed at RD 24+100 of LMB when its level reaches to 644.50 and is in rising position, the breaching sections will be operated. These will be operated with the help of Army Headquarter 4-Corps as per standing instructions laid down in the above-mentioned letter. The floodwater escaping through breaching section will flow through the old course of the River and rejoin D/S Balloki Barrage.

7.14 DUTIES OF TELEPHONE ATTENDANT:

The Telephone attendants will remain present 24 hours turn wise. They will receive gauges from all related stations and pass on to concerned quarter for necessary action.

7.15 WIRELESS ARRANGEMENTS:

The wireless sets will be provided by the **Deputy Commissioner or Superintendent Police, Kasur** before the coming flood season.

CHAPTER -8

DETAIL OF ENCROACHMENTS

The flood bunds and spurs are constructed to train the river and to ensure safe passage of the flood water. During flood season, inhabitants of riverian area evacuate their houses and take shelter on the flood bunds along with their animals. However no encroachments exist on the river training works / Flood bunds in BallokiHeadwork's Division. A certificate is added in this respect.

CERTIFICATE

1. *Certified that no encroachment exist on flood protection works in BallokiHeadworks Division.*

*Sub Divisional Officer ,
Headworks Sub Division,
Balloki.*

*Executive Engineer,
BallokiHeadworks Division
Balloki.*

*Superintending Engineer
Lower Bari Doab Canal Circle,
Sahiwal.*

*CE/Project Director,
LBDC ImprovementProject (PMU)
Lahore.*

CHAPTER -9

DUTY ROSTER / FLOOD FIGHTING PROGRAMME

Duty roaster for establishment required for watching arrangements in 3 shifts round the clock will be under the control of in-charge Sub Engineer HeadworksSection & Sub Engineer Dhaya Section. S.D.O Headworks will be the overall incharge and will exercise/surprise/check in their respective jurisdiction.

DUTY ROASTER WATCHING OF BUNDS AND SPURS

BALLOKI HEADWORKS

(Left Marginal Bund and Allied Spurs)

Reach A-RD 0- 13000 Spur No. 1,2& 8. = 4.6 Miles
 Reach B-RD 13000-19825 Spur No. 9 & Prong Spur RD 2000= 4.0 Miles
 Reach C-Spur No. 7, Spur No. 7-A and Spur No. 7-B = 4.2 Miles

=12.8 Miles

CHAPTER -10

EMERGENCY TELEPHONE NUMBERS

S.#	Description	Mobile	Office/Residence
A	LAHORE D.D.CODE -042		
	Secretary IRR: Lahore		99212118 99212117
	Additional Secy: Adm:		99212119 99212120
	Chief Engineer Drainage & Flood		99233551 35291304
	Director Flood Lahore	0300-8542842 0301-6902928	99233552 5431649
	Flood Warning Centre		99205368 9900139,153
	PD (PMU) LBDC IP, Lahore	0304-9903997	99250362 99250289
B	KASUR (DD CODE 049)		
	Executive Engineer, Headworks Balloki	0321-4117766	4610300 4610399
	S.D.O. Headworks Sub Division	0322-4455667	
	Deputy Commissioner, Kasur		9250143
	Superintendent Police, Kasur		9250137
	Add. District Commissioner: (G)		9250099
	Superintendent D.C. Office		9250120

	<i>Executive Engineer Irrigation Kasur</i>		9250201
	<i>Assistant Commissioner, Pattoki</i>		4424646
C	<i>NANKANA DD CODE -056</i>		
	<i>Deputy Commissioner, Nankana</i>		9201010-9201011
	<i>Assistant Commissioner, Nankana</i>		9201050
	<i>Superintendent Police Nankana</i>		2870101
	<i>Superintendent D.C. Office</i>		9201017
	<i>ADC (Rev)</i>		9201080
D	<i>OKARA DD CODE- 044</i>		
	<i>Deputy Commissioner, Okara</i>		9200028
	<i>Assistant Commissioner, Okara</i>		9200255
	<i>Superintendent Police, Okara</i>		9200353
	<i>Superintendent D.C. Office</i>		9200257
	<i>District Flood Relief Officer</i>		9200251
	<i>Executive Engineer LBDC Okara Division Irrigation</i>	03008696527	9200147
E	<i>MISCELLANEOUS</i>		
	<i>Chief Engineer Irrigation Multan</i>		061-9200140
	<i>S.E, LBDC, Circle Sahiwal</i>	0301-6902928	040-9200210
	<i>Executive Engineer, Sidhnai</i>		065-2441041

	SDO Akhtarabad at Renala	0322-4466996	0442-636018
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CHAPTER -11

STANDARD OPERATING PROCEDURES (SOP) FOR BREACHING SECTIONS

11.1 HISTORY OF THE BREACHING SECTION:

There are two number of approved breaching section. First one located between Rd 48-49 of Madhudas Bund and 2nd at RD 11-12 of R.M.B. 2 No Sections having a length of 50 Ft at 200 Ft interval is to be ballast at each Breaching section breached when water level at RD-24100 of LMB Reaches 644.50 with reference to mean sea level and Rising. There is shattered populated area just opposite the Breaching section up to the out fall in to River Ravi.

The operation of Breaching Section has to be done very carefully with prior warning to the inhabitants of the area. These breaching sections were operated on River Ravi U/S Balloki Head works during the year 1950, 55, 73, 75, 78, 1988. First of all the spill water passing through the breaching section will cross through the existing cut made in abandoned UCC, then it will cross Balloki-More Khunda Road at 3-4 places in reach RD 0-1, 1-2 and 2-3 Km. The top RL of this road is higher than the R.L of N.S.L varying from 8-10 feet.

The following strategy is proposed to combat the flood situation in case the breaching section is operated:

11.2 LOCATION, DESIGN, QUANTITY, AND VARIETY OF THE EXPLOSIVE REQUIRED FOR DETONATION:

SOURCE FROM WHICH RECEIVED OR WHOME TO ISSUE	DETONATING CORD	SAFETY FUSE NO ii	PE-3A(450 GRAM SLAB	DETONATING DELAY RELAY	DETONATOR ELECTRIC DELAY	DETONATOR NO 8 PLAIN NON ELECTRIC	BALASTING MACHINE (ZEB/N/CA-160T) GERMAN MADE
Received from 7-Engineer Battalion R.A. Bazar Lahore Returned back to 7 Engineer Battalion	3670 M	455 M	810KG	16 No	60 No	2 NO	2 NO

LHR Cantt: Cap-Afaq)							
AVAILABLE	3650M	455M	750 KG	16	60	-	-
BALANCE REQUIRED	20 M	-	60 KG	-	-	2 NO	2 NO

ARRANGEMENT OF EXPLOSIVES AND SECURITY OF EXPLOSIVE STORES:

Explosive store is located at Lahore in the supervision of Army Authority, which will be shifted at site (BallokiHeadworks) during the flood season as per schedule..

11.4 LIST OF SECURITY STAFF ALONGWITH DETAIL OF THE TRAINING ETC.

Sub Divisional Officer Head works Sub Division along with Sub-Engineer;Head works has got the training for the operation of Breaching section.

11.5 DETAIL OF MECHANICAL MEANS AS A STANDBY ARRANGEMENTS IN CASE OF DETONATION FAILURE:

2 NosMechanics and 4 No Helpers will be engaged when the dischargeincreases, beyond 1,35,000 Cs for as under machineries .

Name of Vehicle	Demanded	Available	Remarks
Excavator	2	2	Available through contractor
Tractor with front blade	2	2	do
HydraulictrolleysTruck	6	6	do

11.6 DUTY ROSTER IN CASE OF CRITICAL SITUATION:

As above chapter No.9

11.7 BREACHING COMMITTEE WITH THEIR ACTION PLAN:

For the activation of breaching section, critical gauge is fixed at RD 24+100 of LMB. When the Water level reaches the level of 644.50 and is in rising position; the first breaching section at Madhudas bund located at RD 48-49 is operated. If the first breach fails to give the relief then 2nd breaching section located at RD 11-12 of R.M.B is operated.

- It is estimated that a discharge of about 1.0 Lac Cs will pass through the Breaching sections if operated.
- These Breaching sections were operated during the year 1950, 55, 73, 75, 78 and 1988.
The committee comprising of the following members Vide Notification No SO(FLOODS)VI-33/97 Dated 15.07.2015 will give the signal to activate the Breaching Section.
- District Coordination Officer. (Convener)
- Representative of the Army . (Member)
- Representative of Executive Engineer Irrigation (Member)
- Executive Engineer C&W (Member)

This committee on attaining the critical level i.e 644.50 at RD-24100 LMB will inform the Zonal Committee constituted as under for activation of Breaching Section:

- Project Director, PMU, LBDC-IP Lahore (Chairman)
 - Commander Engineer 4-Corps (Member)
 - District Coordination Officer of District Nankana (Member)
- On receipt of Signal from Zonal Committee, the Breaching Operating Committee will implement the decision.

11.8 LIST OF THE VILLAGES LIKELY TO BE INUNDATED IN CASE OF BREACH:

Name of village	District	Tehsil	Area in Acres	Population
Maliwal	Nankana Sahib	Nankna sahib	1392	1027
Haft Madar	Nankana Sahib	Nankna sahib	4801	3678
WazirPur	Nankana Sahib	Nankna sahib	663	1829
Khakh	Nankana Sahib	Nankna sahib	997	1207
Dhuddian	Nankana Sahib	Nankna sahib	1133	1518
Shouket Abad	Nankana Sahib	Nankna sahib	997	927

Qilla Noor Pur	Nankana Sahib	Nankna sahib	1310	1539
Jatri	Nankana Sahib	Nankna sahib	1565	2327
KotTahir	Nankana Sahib	Nankna sahib	4351	3056
Chained pur	Nankana Sahib	Nankna sahib	4804	4540
		Total	21,903	21,048

11.9 ANNOUNCEMENT AND DETAIL OF EVACUATION ARRANGEMENTS:

EXECUTIVE ENGINEER, Balloki Headworks will inform

- The **D.C.O,s** to make arrangement for the evacuation of the Public within LMB and RMB and the population coming on route of spill water.
- **Military Authorities** to keep ready for emergency operation.
- **Police Authorities** to watch that no unauthorized cuts are made by public especially along LMB & RMB.
- **Engineers 4-Corps** for energizing the Breaching Section, when water Level approaches 644.50 Mark at the emergency gauge installed at RD 24+100 LMB

11.10 DETAILS OF COORDINATION WITH CIVIL/ARMY AUTHORITIES:

There are two no. of breaching sections located at RD 11-12 Right Marginal Bund and at RD 48-49 Madhudas Bund approved vide the **Secretary Irrigation & Power Department Lahore memo no.110/F-C-75/410-15/64/75**. There is a critical gauge fixed at RD 24+100 of LMB when its level reaches to 644.50 and is in raising posited, the breaching sections will be operated. These will be operated with the help of Army as per standing instructions laid down in the above-mentioned letter. The floodwater escaping through breaching section will flow through the old course of the River and rejoin D/S Balloki Barrage. With the operation of Breaching Section following communication will be disrupted.

1. **Metaled Road linking Balloki Headworks to More Khunda will be disconnected. Lahore – Sharqpur – Jaranwala and Faisalabad Road can be disconnected.**
2. **Towers of High Transmission Lines are likely to be affected.**

3. **Telephones in between Balloki Headworks to More Khunda are likely to be disrupted.**

First priority for operation of Breaching Sections will be given to Site at RD 48-49 Madhudas Bund and then Breaching Site at RD 11-12 of R.M.B will be operated.

The following Officers will be informed before operating the Breaching Section and it is the duty of the Executive Engineer, Balloki Division to inform:

- 28. Telephone and Telegraph Department, Kasur.**
29. The District Health Officer, Kasur.
30. Pakistan Broadcasting Corporation.

The Secretary, Government of the Punjab, Irrigation & Power Department, Lahore.

The Project Director, PMU, LBDC-IP Lahore.

The Chief Engineer, Irrigation, Multan Zone, Multan

Chief Engineer, Irrigation, Lahore Zone, Lahore

The Chief Engineer, Irrigation, Faisalabad Zone, Faisalabad

The Flood Relief Commissioner, Lahore.

The Chief Engineer Drainage and Flood, Lahore

The Commander, Headquarter Engineers, 4- Corps, Lahore.

The Commanding Officer, 173- Engineers, Lahore Cantt.

The Chief Engineer, Drainage & Flood Zone, Lahore

The Director Floods, Lahore.

The D.C, Kasur.

The D.C, Nankana.

The D.C, Okara.

The D.P.O, Kasur.

The D.P.O, Sheikhpura.

The D.P.O, Okara.

The A.C, Pattoki.

The A.C, Nankana Sahib.

The A.C, Jaranwala

The Executive Engineer, Sahiwal Division LBDC, Sahiwal.

The Executive Engineer, Okara Division LBDC, Okara.

The Executive Engineer, Khanewal Division LBDC, Khanewal.

All Sub Divisional Officers, on watching.

All Sub Engineers on duty at Balloki Headworks.

The Executive Engineer, Electricity, (LESCO) Chunian.

The Executive Engineer, Highway Division Bridge, Okara.

11.11 PARALLEL COMMUNICATION ARRANGEMENTS:

In addition to installation of Wireless set at Balloki Headworks, some temporary connection will be required at right side of the Barrage as well as at field office where all the Officers/Officials generally meet together to chalk out further programs. One supervisor of T & T Department must remain available at the site for proper control and operation of all this system.

TIME LAG FROM BREACHING SECTIONS FOR SPELLING OUT OF WATER:

There are two number of breaching sections. One at RD 48-49 of MadudasBund and second at RD 11-12 of RMB. Firstly the Breaching Section of Madudas Bund is operated and then the second at R.M.B will be operated as per requirement. Time Lag from first Breaching Section is about 2 Hours and from second it is almost 1 hour.

PART - B

CHAPTER-12

VULNERABLE SITES ON FLOOD BUNDS /STRUCTURES

12.1 APPREHENDED BREACHES IN FLOOD BUNDS/STRUCTURES:

1. *RD 11000-12000 OF RMB*
2. *RD 24000-25000 OF RMB*
3. *RD 12000-13000 OF LMB*

12.2 Operation of Breaching section

Breaching section will be operated by Engineering 4 courps

12.3 Breaches due to rise of flood water,deterioration of flood bunds

Braches due to rise of flood water, deterioration of flood bunds will be controlled and maintained by the Department.

CHAPTER-13

EMERGENCY CONTINGENCY PLAN FOR VULNERABLE SITES LISTED ABOVE EMERGENCY CONTINGENCY PLAN MUST INCLUDE

PLAN NO 1

RD 11000-12000 OF RMB

13.1 PLAN SHOWING ROUTE OF FLOOD WATER COMING OUT OF THE BREACH SUPPORTED WITH LEVELS:

PLAN ATTACHED

13.2 DETAIL OF VILLAGES ABBADEIS LIKELY TO BE AFFECTED AND THIS SHOULD ALSO BE SHOWN ON THE PLAN:

- 1 Showkatabad colony
- 2 Jatri
- 3 Thatta
- 4 chitti

13.3 STRATEGY AND ACTION TAKEN BE EXPLAINED IN DETAIL THIS MAY INCLUDE:

The following arrangements /strategy will be adopted. Though all precautionary measures are adopted before flood season to face any alarming situation at BallokiHeadworks, even then arrangements are necessary to avoid heavy damages and flood fighting strategy is adopted in such a way that flood water passes safely through Barrage, up to its limit. In low flood, river water remains within the deep channel and do not cause any problem if regulation of gates is done as per rules. Watching establishment employed for this purpose will remain busy in removing jungle, filling gharas and porcupine holes if any. When water increases beyond sixty thousand cusecs it will start spreading on adjoining area and also touching the toe of bunds. Then it becomes necessary to be vigilant and watching of bunds will be started to avoid any leakage from bunds. Sub Engineers will shift their camps to sites as per duty roaster. Hourly gauges and discharges will be conveyed to civil administration and flood warning centers to inform public accordingly. When river water enters into high flood range, Sub Divisional Officer Akhtarabad will shift his camp at Balloki to supervise staff working on LMB and D/S spurs. In whole period regulation will be done in such a way that silt deposit in front of canals may be washed D/S of the river to minimize silt entry in to canals. Silt contents in water will be checked thrice a day and if it exceeds the permissible limit, canals will be closed accordingly. Gauges of different sites especially gauge at RD 24100 of LMB will be noted regularly and recorded. Executive Engineer will inform all agencies especially civil administration as well as Army about flood situation in rising position. In case of very high flood or exceptionally high flood, meeting will be held in field office with Army and Civil Administration to face the situation. 2Nos dozers will be kept ready each site at RD 11-12, 24-25 RMB and RD 12-13/LMB for making cuts and closing breaches as and when required according to the circumstances.

13.3.1 ARRANGEMENT:

The following arrangements will be made

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS:

Flood fighting camp will establish at RD 10+000-11+000 of RMB.

13.3.3 DUTIES OF OFFICERS/OFFICIALS AND THEIR CAMP SITES:

Sub Engineer Headworks section will be incharge of the camp site.

The following staff will be at the camp site

Sub Engineer	=	1 No
Mate	=	1 No
Beldar	=	40 No's

13.1.1 DEPARTMENTAL MACHINERY AVAILABLE:

Not available

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE:

The following machinery can be made available Jamshed Construction Company maintaining his office at Balloki village. The detail of machinery as under:-

A: Excavator

B: Tractors with Trolleys

C: Dozers

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED:

Sr.#	NAME OF ITEM	QUANTITY	Sr.#	NAME OF ITEM	QUANTITY
1.	Lantern	18 Nos.	15	Spirit	200 Nos.
2.	K.Oil	1 Tin.	16	Match Boxes	2 Bottles.
3.	Wicks	4 Yards.	17	Oil Extractor	1 Dozen.
4.	Chimneys	24 Nos.	18	MunjTrangers	2 Nos.
5.	Torches	4 Nos.	19	Petromax	100 Nos.
6.	Cells	12 Nos.	20	Rubber Gum Shoes	2 Nos.
7.	E.C. Bags/Gunny Bags	200 Nos.	21	Rain Coats	3 Pairs.
8.	Sutli	2 Lbs.	22	Mosquito Nets	3 Nos.
9.	Sewing Needles	6 Nos.	23	Bamboos for Mosquito Nets	4 Nos.
10.	Axes	5 Nos.	24	Life Belts	16 Nos.
11.	Kassies	100 Nos.	25	Bucket	4 Nos.

12.	Killas	24 Nos.			
13.	Ballies	10 Nos.			
14.	Baskets	24 Nos.			

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE Not available

PLAN NO 2

RD 24000-25000 OF RMB

13.1 PLAN SHOWING ROUTE OF FLOOD WATER COMING OUT OF THE BREACH, SUPPORTED WITH LEVELS:

PLAN ATTACHED

13.2 DETAIL OF VILLAGES ABBADEIS LIKELY TO BE AFFECTED AND THIS SHOULD ALSO BE SHOWN ON THE PLAN:

- 1 Dhudian
- 2 KillamohkamSingh
- 3 HafatMaddar

13.2 STRATEGY AND ACTION TAKEN BE EXPLAINED IN DETAIL. THIS MAY INCLUDE:

The following arrangements /strategy will be adopted. Though all precautionary measures are adopted before flood season to face any alarming situation at BallokiHeadworks, even then arrangements are necessary to avoid heavy damages and flood fighting strategy is adopted in such a way that flood water passes safely through Barrage, up to its limit. In low flood, river water remains within the deep channel and do not cause any problem if regulation of gates is done as per rules. Watching establishment employed for this purpose will remain busy in removing jungle, filling gharas and porcupine holes if any. When water increases beyond sixty thousand cusecs it will start spreading on adjoining area and also touching the toe of bunds. Then it becomes necessary to be vigilant and watching of bunds will be started to avoid any leakage from bunds. Sub Engineers will shift their camps to sites as per duty roaster. Hourly gauges and discharges will be conveyed to civil administration and flood warning centers to inform public accordingly. When river water enters into high flood range, Sub Divisional Officer Akhtarabad will shift his camp at Balloki to supervise staff working on LMB and D/S spurs. In whole period regulation will be done in such a way that silt deposit in front of canals may be washed D/S of the river to minimize silt entry in to canals. Silt contents in water will be checked thrice a day and if it exceeds the permissible limit, canals will be closed accordingly. Gauges of different sites especially gauge at RD 24100 of LMB will be noted regularly and recorded. Executive Engineer will inform all agencies especially civil administration as well as Army about flood situation in rising position. In case of very high flood or exceptionally high flood, meeting will be held in field office with Army and Civil Administration to face the situation. 2 Nos dozers will be kept ready each site at RD 11-12, 24-25 RMB and RD 12-13/LMB for making cuts and closing breaches as and when required according to the circumstances

13.3.1 ARRANGEMENT:

The following arrangements will be made

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS:

Flood fighting camp will established at RD 23000-24000 of RMB.

13.3.2 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES:

Sub Engineer Halla section will be incharge of the camp site .The following staff will be at the camp site

Sub Engineer = 1 No

Mate = 1 No

Beldar = 40 No's

13.3.4 DEPARTMENTAL MACHINERY AVAILABLE:

Not available

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE:

The following machinery can be made available UsamaHamza Sons maintaining his office at Balloki village. Thedetail of machinery as under:

- 1 Excavators*
- 2 Tractors with Trolleys*

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED:

Sr.#	NAME OF ITEM	QUANTITY	Sr.#	NAME OF ITEM	QUANTITY
15.	Lantern	18 Nos.	15	Spirit	200 Nos.
16.	K.Oil	1 Tin.	16	Match Boxes	2 Bottles.
17.	Wicks	4 Yards.	17	Oil Extractor	1 Dozen.
18.	Chimneys	24 Nos.	18	MunjTrangers	2 Nos.
19.	Torches	4 Nos.	19	PETRONAS	100 Nos.
20.	Cells	12 Nos.	20	Rubber Gum Shoes	2 Nos.
21.	E.C. Bags/Gunny Bags	200 Nos.	21	Rain Coats	3 Pairs.
22.	Sutli	2 Lbs.	22	Mosquito Nets	3 Nos.
23.	Sewing Needles	6 Nos.	23	Bamboos for Mosquito Nets	4 Nos.
24.	Axes	5 Nos.	24	Life Belts	16 Nos.
25.	Kassies	100 Nos.	25	Bucket	4 Nos.
26.	Killas	24 Nos.			
27.	Ballies	10 Nos.			
28.	Baskets	24 Nos.			

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE Not available

PLAN NO 3

RD 12000-13000 OF LMB

13.1 PLAN SHOWING ROUTE OF FLOOD WATER COMING OUT OF THE BREACH, SUPPORTED WITH LEVELS:

13.2 DETAIL OF VILLAGES ABBADEIS LIKELY TO BE AFFECTED AND THIS SHOULD ALSO BE SHOWN ON THE PLAN:

- 1 Kot Hayat Malah
- 2 JhugianDhanasingh
- 3 Maliwal

13.3 STRATEGY AND ACTION TAKEN BE EXPLAINED IN THIS MAY INCLUDE: DETAIL.

The following arrangements /strategy will be adopted. Though all precautionary measures are adopted before flood season to face any alarming situation at BallokiHeadworks, even then arrangements are necessary to avoid heavy damages and flood fighting strategy is adopted in such a way that flood water passes safely through Barrage, up to its limit. In low flood, river water remains within the deep channel and do not cause any problem if regulation of gates is done as per rules. Watching establishment employed for this purpose will remain busy in removing jungle, filling gharas and porcupine holes if any. When water increases beyond sixty thousand cusecs it will start spreading on adjoining area and also touching the toe of bunds. Then it becomes necessary to be vigilant and watching of bunds will be started to avoid any leakage from bunds. Sub Engineers will shift their camps to sites as per duty roaster. Hourly gauges and discharges will be conveyed to civil administration and flood warning centers to inform public accordingly. When river water enters into high flood range, Sub Divisional Officer Akhtarabad will shift his camp at Balloki to supervise staff working on LMB and D/S spurs. In whole period regulation will be done in such a way that silt deposit in front of canals may be washed D/S of the river to minimize silt entry in to canals. Silt contents in water will be checked thrice a day and if it exceeds the permissible limit, canals will be closed accordingly. Gauges of different sites especially gauge at RD 24100 of LMB will be noted regularly and recorded. Executive Engineer will inform all agencies especially civil administration as well as Army about flood situation in rising position. In case of very high flood or exceptionally high flood, meeting will be held in field office with Army and Civil Administration to face the situation. 2 Nos dozers will be kept ready each site at RD 11-12 ,24-25 RMB and RD 12-13/LMB for making cuts and closing breaches as and when required according to the circumstances

13.3.1 ARRANGEMENT:

The following arrangements will be made

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS:

Flood fighting camp will established at RD 23000-24000 of RMB.

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES:

Sub Engineer Halla section will be incharge of the camp site.

The following staff will be at the camp site.

Sub Engineer = 1 No
 Mate = 1 No
 Beldar = 40 No's

13.3.4 DEPARTMENTAL MACHINERY AVAILABLE

Not available

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE:

The following machinery can be made available M/S Bhatti Brothers maintaining his office at Balloki village. The detail of machinery as under:

- 1 Excavators 2. Tractors with Trolleys

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED:

Sr.#	NAME OF ITEM	QUANTITY	Sr.#	NAME OF ITEM	QUANTITY
1	Lantern	18 Nos.	15	Spirit	200 s.
2	K.Oil	1 Tin.	16	Match Boxes	2 Bottles.
3	Wicks	4 Yards.	17	Oil Extractor	1 Dozen.
4	Chimneys	24 Nos.	18	MunjTrangers	2 Nos.
5	Torches	4 Nos.	19	Petromax	100 Nos.
6	Cells	12 Nos.	20	Rubber Gum Shoes	2 Nos.
7	E.C. Bags/Gunny Bags	200 Nos.	21	Rain Coats	3 Pairs.
8	Sutli	2 Lbs.	22	Mosquito Nets	3 Nos.
9	Sewing Needles	6 Nos.	23	Bamboos for Mosquito Nets	4 Nos.
10	Axes	5 Nos.	24	Life Belts	16 Nos.
11	Kassies	100 Nos.	25	Bucket	4 Nos.
12	Killas	24 Nos.			
13	Ballies	10 Nos.			
14	Baskets	24 Nos.			

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE:

Sr.#	NAME OF ITEM	QUANTITY	Sr.#	NAME OF ITEM	QUANTITY
1	Lantern	6 Nos.	6	Mosquito Nets	2 No
2	Sutli	2 Lbs	7	Bamboos for Mosquito	8No.
3	Sewing Needles	6 No			
4	Axes	12 Nos.			
5	Kassies	50 Nos.			
6	Rubber Gum Shoes	8 Nos.			

PLAN NO 3

**13.4 DETAIL OF OTHER INFRASTRUCTURE LIKE ELECTRIC, SUIGAS, TELEPHONE
INSTALLATION, ROAD NETWORK, OTHER BUILDING, CANAL AND DRAINAGE
NETWORK:**

PLAN NO 1

RD 11000-12000 OF RMB

i Phool Nagar –Mora Khunda Road

ii. Electric Transmission Line

iii Pipeline of Suigas

PLAN NO 2

RD 24000-25000 OF RMB

i Phool Nagar –Mora Khunda Road

ii. Electric Transmission Line

iii Pipeline of Sui Gas

ROUTE PLAN NO 1, 2, 3 ATTACHED

i Phool Nagar –More khunda road

ii. Electric Transmission line = 2 Nos

iii Pipeline of sui gas 36" = 2 Nos

*Sub Divisional Officer ,
Headworks Sub Division,
Balloki.*

*Executive Engineer,
Balloki Headworks Division
Balloki.*

*Superintending Engineer
Lower Bari Doab Canal Circle,
Sahiwal.*

*CE/Project Director,
LBDC Improvement Project(PMU)
Lahore.*

Chapter-14

ACTION PLAN

14.1 Re-shuffling/Recouping plan of reserve stone departmentally

Detail of Re-shuffling/Recouping plan is as under:

S.No	NAME OF SITE	TOTAL RESERVE SANCTIONED LAST YEAR	TOTAL QTY; REQUIRED DURING 2017-2018	AVAILABLE QTY; OF RESERVE STOCK	(-) EXCESS	REQUIRED
1	2	3	4	5	6	7
1	Left guide Bank U/S OLD RMB	50000	50000	23392	0	26608
2	Left guide Bank D/S	50000	50000	21302	0	28698
3	Right guide Bank U/S	50000	50000	0	0	0
4	RGB D/S	50000	50000	30866	0	19134
5	Pitched island (Diverted Concrete divide wall	40000	40000	0	0	0
	RMB	0	0	0	0	0
6	Spur No 10	50000	50000	27597	0	22403
7	Spur No 3	30000	30000	0	0	30000
8	Spur No 4	100000	100000	52181	0	47819
9	Prong of Spur No 4	50000	50000	0	0	0
10	Spur No 5	50000	50000	28487	0	21513
11	Spur No 6	50000	50000	27552	0	22448
12	Spur No 11	30000	30000	1629	0	28371
	LMB	0	0	0	0	0
13	Spur No 1	30000	30000	42214	12214	0
14	Spur No 2	50000	50000	29816	0	20184
15	Spur No 8	50000	50000	17877	0	32123
16	Spur No 9& Prong of spur No 9	60000	60000	5136	0	54864
17	Spur No 12	30000	30000	12374	0	17626
18	Spur No 7 D/S BLK H/Works	30000	30000	33244	3244	0
19	Spur No 7-AD/S BLK Head works	100000	100000	8649	0	91351
20	Spur No 7-B D/S Balloki Head	100000	100000	41225	0	58775

	works					
21	Along B.S.Link	0	0	742	742	0
22	Right Bank of LBDC (H/W SECTION)	0	0	67110	67110	0
23	Left Marginal Bund	0	0	7915	7915	0
	Total	1.050 Cft LAC	1.050 Cft LAC	0.479 CFT LAC	0.091 CFT LAC	0.521 CFT LAC

Note:-Shuffling of stone will be done through contractor as per requirement of sites

14.2 Detail of inlet/outlet crossing alongwith closing methodology

There is no inlet/outlet crossing in River Training works of BallokiHeadworksDivision

14.3 Deployment Machinery (Medium to high flood)

Sr.No	Name of Structure	Length in mile	Vulnerable Reach	Camp Location	Site Incharge by Name & Cell No	Excavator	Dozer	Trolleys/ Dumpers	Tractor with Front Blade
1	Right Marginal Bund	5.30	11000-12000	RD 11000	Tariq Mehmood 0345-7516082	1	1	2	1
2	-Do-		24000-25000	RD 24000	Tariq Mehmood 0345-7516082	1	1	2	1
3	Left Marginal Bund	5.67	12000-13000	RD 13000	ShehzadUmer 0345-6405013	1	-	1	1

14.4 Deployment Machinery (High to very high flood)

Deployment Machinery (High to very high flood) enclosed at Page No.

14.5 Deployment Machinery (Very High to exceptionally high flood)

Deployment Machinery (Very High to exceptionally high flood) enclosed at Page No.

14.6 Police deployment plan.

A request will be made to the District Police Officer Kasur for providing adequate services of police Department in all Sectors/Relief Centers/Flood affected areas, during any flood emergency, for security purpose and to maintain any law and order situation as per following plan:

S.No	NAME OF SPUR	VOULNERABLE REACH	REQUIRED NO OF POLICEMAN		REQUIRED NO OF RANGER
1	RIGHT MAGINAL BUND	11000-12000	ASI =1 No Constable =10	SHO =1 No	10 No
2	RIGHT MAGINAL BUND	24000-25000	ASI =1 No Constable =10		10 No
3	LEFT MAGINAL BUND	12000-13000	ASI =1 No Constable =10		10 No

14.7 Detail of synthetic bags with capacity of 500 Kg and 1000 Kg.

Sufficient quantity of synthetic bags will be managed / purchased as per site requirements if needed.

14.8 Details of polythene sheet of black color to protect upstream slope against wave action and to control seepage through embankments.

Polythene sheet of black color will be purchased for upstream protection against waving action and controlling the seepage if needed.

Chapter-15

Back up Divisions (in case of breach)

Okara Canal Division LBDC will work as Back up Division for Balloki Headworks Division in case of breach.

**ACTION PLAN DURING FLOOD SEASON ON RIVER RAVI
MEDIUM TO HIGH FLOOD STAGE IN BALLOKI HEADWORKS DIVISION
LBDC CIRCLE SAHIWAL LBDC-IP ZONE LAHORE**

Sr. No	Name of Structure	Length in mile	Vulnerable Reach	Camp Location	Site Incharge by Name & Cell No	Excavator	Dozer	Trolley s/ Dumpers	Tractor with Front Blade	Labour (Beldar +Mate)	Availability of stone Cft
LOW TO MEDIUM FLOOD											
1	Right Marginal Bund	5.30	11000-12000	RD 11000	Tariq Mehmood 0345-7516082	1	1	2	1	30+3	Off take RD 10500/RMB spur No 6 27552cft
2	-Do-		24000-25000	RD 24000	Tariq Mehmood 0345-7516082	1	1	2	1	30+3	Off take RD 21600/RMB spur No 11 1629cft

3	<i>Left Marginal Bund</i>	5.67	12000-13000	RD 13000	ShehzadUmer 0345-6405013	1	-	1	1	30+3	Off take RD 12750/LMB spur No 8 18000cft
MEDIUM TO HIGH FLOOD											
1	<i>Right Marginal Bund</i>	5.30	11000-12000	RD 11000	Tariq Mehmood 0345-7516082	1	1	4	2	45+3	Off take RD 10500/RMB spur No 6 27552cft
2	-Do-		24000-25000	RD 24000	Tariq Mehmood 0345-7516082	1	1	4	2	45+3	Off take RD 21600/RMB spur No 11 1629cft
3	<i>Left Marginal Bund</i>	5.67	12000-13000	RD 13000	ShehzadUmer 0345-6405013	1	1	4	2	45+3	Off take RD 12750/LMB spur No 8 18000cft

CIVIL DEFENCE

OBJECT:

1. Availability of Civil Defence Staff / Razarkars for Flood Season on the demand of District Govt.
2. To train Civil Defence Staff / Razakars in first aid and other flood relief related activities.
3. Install of camps in flood effected areas.
4. Technical sweeping of the places where needed.
5. Distribution of food or other items if needed.
6. To render any help in connection with Bomb Disposal activities through out the event.
7. To keep the office operational round the clock.
8. Coordination with the allied and remedial services.
9. Provision of Bomb Disposal coverage where pointed out by Police department.
10. In case of any emergent situation volunteers will assists the department.

SUPERVISION:

The event will be supervised by Mr. Muhammad Mubbashar Rabbani, Civil Defence Officer Nankana Sahib.

DUTY ROSTER

Staff of this office along with Civil Defence volunteers will be detailed in the Control room. Duty Roster of the office will be issued accordingly

LIST OF CIVIL DEFENCE VOLUNTEERS

Sr. No	Name	Father Name	Designation	Address	Cnic No	Contact No
1	Shoukat Ali	Allah Rasi	Post Warden A-I	House No 20 – Y Hiusing Colony Tehsil & Distt Nns	33100-2988207-5	0300-8453781
2	Muhammad Basher	Muhammad Din	Post Warden A-II	Purana Nankana Tehsil & Distt Nns	35402-1932095-9	0300-6669680
3	Khadim Hussain	Yara	-do-	Chalar Ganga Ram Tehsil & Distt Nns	35501-0478186-7	0303-7954259
4	Ijaz Humayon Butt	Barkat Ali Butt	-do-	Mohalla Sheikh House No 8 Tehsil & Distt Nns	35402-1996365-9	0305-4844681
5	Muhammad Faisal	Muhammad Munir	-do-	House No 299 Shad Bagh Colony Tehsil & Distt Nns	35501-0443803-6	0302-4990626
6	Muhammad Nabeel	Muhammad Younas	-do-	Ward No 3 Mohalla Madina Toen Housing Colony Tehsil & Distt Nns	35501-0467477-3	0307-8894941
7	Sarfaraz Khan	Dlair Khan	Volunteer	Chak No 32 Gb Borala Tehsil & Distt Nns	35403-5734070-3	0341-6142379
8	Ikhlaq Ahmed	Allah Ditta	-do-	Near Pani Wali Tanki Shad Bagh Colony Tehsil & Distt Nns	35501-0242567-7	0344-6649294
9	Abdul Shakoor	Khan Muhammad	-do-	Mohalla Kyara Sahib Wana Wali Gali Tehsil & Distt Nns	35402-6411294-9	0344-7727162
10	Sawala Khan	Jalal Din	-do-	Jhalar Ganga Ram The. And Dist. Nankana Sahib	35402-1489150-3	0303-4469987
11	Muhammad Iqbal	Muhammad Saleem	-do-	Jhalar Ganga Ram The. And Dist. Nankana Sahib	35501-0448892-5	-
12	Muhammad Rizwan	Rehmat Ali	-do-	Bhattia Chak Tehsil & District Nankana Sahib	35501-0553736-3	0307-4225875
13	Muhammad Rafique	Muhabat Ali	-do-	Buchki Tehcis & District Nankana Sahib	35501-0437834-1	-
14	Muhammad Nadeem	Altaf Huissain	-do-	Ada 5 Chak Tehcil & District Nankana Sahib	35501-0253845-1	0302-9510231
15	Sohail Masih	Munawar Masih	-do-	Shad Bagh Colony Main Bazar Municipal Committee Nns	35402-1940607-7	0305-4390735
16	Niaz Hussain	Wali Muhammad	-do-	Nabi Pur Peeran Tehsil & Distt Nns	35402-7342123-5	0301-7003493
17	Adeel Afzal	Muhammad Afzal	-do-	Mohalla Shad Bagh Colony Tehsil & Distt Nns	35501-0492529-7	0301-4483867
18	Mteen Ali	Mola Dad	-do-	Watowan Chak No.638 GB Tehsil & District NNS	-	0346-0349716
19	Emanuel Salamat	Salamat Masih	-do-	Youngsonabad Chak No.37 GB Tehsil & District NNS	35501-0184602-1	0308-4564743
20	Muhammad Awais	Nasrullah	-do-	Mohallah Tooranwala ward No.9/21 old NNS	35501-0367777-3	0305-4149930
21	Muhammad Ramzan	Muhammad Iqbal	-do-	Chak No.178/RB Bhollah Chak P/o Same Tehsil Shahkot District NNS	35403-3872686-5	
22	Nabeel Niamat	Niamat Masih	-do-	Youngsonabad Chak No.37 GB Tehsil & District NNS	35501-0408621-3	0304-4123543
23	Adil Javed	Khalid Javed	-do-	Mohallah Bal lila Bucheki Road Nankana Sahib	35501-0516884-3	30304-4201512

24	Bilal Ahmed	Khadam Hussaain	-do-	Near Govt.Girls H/School NNS	35402-3626976-9	0304-4107340
25	Muhammad Nawaz Shaeen	Muhammad Ismael	-do-	Jowaharpura Mandi Faizabad Tehsil & District Nankana Sahib	35402-6145595-3	0308-4325930
26	Muhammad Iqbal	Rehmat Ali	-do-	Jowaharpura Mandi Faizabad District NNS	35402-3889738-3	0300-6890101
27	Ikhtlaq Hussain	Muhammad Hussain	-do-	Karian Wala. Post Office More Khunda Tehsil & Dist Nankana Sahib	35402-1979755-3	0304-0417244
28	Zishan Siddique	Muhammad Siddique	-do-	Ward No 15 Mohalla Shah Din Shahkot Tehsil & Distt Nns	35502-01956602-9	0302-7211744
29	Muhammad Imran	Muhammad Abbas	-do-	Chalar Ganga Ram Tehsil & Distt Nns	35402-1997839-5	0303-4469987
30	Khadam Hussain	Shahadat Ali	-do-	Chak No.1/GB Mehmood Pura Tehsil & District NNS	35501-0127132-7	0301-4950359
31	Riaz Ahmed	Muhammad Mansha	-do-	Mohalla Kyara Sahib Tehsil & Distt Nns	35501-0236182-9	0305-4800947
32	Ghulam Rassol	Moosa	-do-	Wara Narine Singh Tehsil & Distt Nns	35501-0144340-9	0343-1174147
33	Amjad Khaliq	Sandal Hussain	-do-	Steet Muhammad Aslam Bhatti Shad Bagh Colony Tehsil & Distt Nns	35501-0316564-5	0305-6035365
34	Muhammad Ramzan	Muhammad Din	-do-	Mohalla Balilah Ward No 7/15 Tehsil & Distt Nns	35402-6536322-7	0307-4040502
35	Walayat Ali	Muhammad Ramzan	-do-	Ward No 9/21 Mohalla Qadarian Tehsil & Distt Nns	35501-137385-1	0302-4554145

DISTRICT COUNCIL

FLOODS ARRANGEMENTS FOR MONSOON SEASON, 2017.

The following measures for the upcoming Monsoon Season 2017.

1. Focal Person: District Officer (Regulation)
2. Control Room: District Council Nankana Sahib
3. Office No. 056-9201036.
4. Field Staff:
 - I. District Officer(I&S)
 - II. Hassan Naseem, Sub Engineer
 - III. Farhat Abbas, Sub Engineer
 - IV. Tree Guards
 - V. Naib Qasids
 - VI. Baildars.
5. List of Machinery:
 - I. Tractor Trolley.
 - II. Tractor with Blade.
 - III. Shahzore Dalla.

LOCAL GOVERNMENT & COMMUNITY DEVELOPMENT

DUTY ROSTER STAFF OF UNION COUNCILS FOR FLOOD CAMPS 2017

Sr No.	Department	Designation	Telephone No.		Mobile No.
			Office	Residence	
1	LG & CD Department	1) Tasaddiq Sec UC 41 Rehan Wala . 2) Ahmed Ali Sec UC 44 Bachoki Par 3) M. Yousif N/Q (Flood Relief Center Bachoki Par)	-	-	0300-4051354 0302-9409312
2	--do--	1) Zika Hussain Sec UC Ganaishpur 2) M. Baqar Sec UC Jawahar Pur 3) Zafar Iqbal N/Q Ganaishpur (Flood Relief Center Hairy)	-	-	0300-4486625 0302-8572523
3	--do--	1) Abu Bakar Siddique Sec UC Morekhunda 2) Basharat Hafiz Sec UC Natha 3) Iftikhar Shah N/Q Kot Namdar (Flood Relief Center Jag Da Chak)	-	-	0306-4083613 0300-7574773
4	--do--	1) Jaivd Iqbal UC Sec Haft Madar 2) Rehmat Ali Sec UC Kot Benidas 3) Abdul Hafeez N/Q UC 50 Morekhunda (Flood Relief Center Qila Koiera)	-	-	0333-4272950 0300-4885318
5	--do--	1) Safdar Ali Sec UC 43 Chahkay Gill 2) Rai Sakhandar Hayat Sec UC Jogay Kot Nau Bahar. 3) Amir Ali N/Q Jogay Kot Nau (Flood Relief Center Asilpar)	-	-	0301-4130130 0300-8532706
6	--do--	1) Mirza Amir Waheed Sec UC Machora 2) Rai Hassan Sec UC Malka Haji Mouj 3) Akhtar Abbas Sec UC No. 62 Malka Haji 4) Zaheer Abbas Chowkidar UC No. 61 Chak No. 68/12 (Flood relief center Hallah Syedan)	-	-	0300-4915185 0346-7642611 0301-4646743
7	--do--	1) Ahsan Islam Sec UC 65 Meharpur 2) Munawar Hussain Sec UC 60 Fareeda Abad 3) Nasir Ali N/Q UC 62 Malka Haji Mouj	-	-	0300-7612857 0300-8197466

		(Flood relief center Fareed Abad)			
8	--do--	1) Akhtar Sec UC 62 Malka Haji Mouj 2) Syed Riaz Hussain Shah Sec UC Baraghar 3) Azhar Hassan Sec UC Syed Wala (Flood relief center Syed Wala)	-	-	0301-4646743 0300-9661188 0300-4127619

MUNICIPAL COMMITTEE TEHSIL NANKANA SAHIB

PRE FLOOD ARRANGEMENT FOR MONSOON 2018

The monsoon is coming soon in this regard flood control prevention measures have been taken by the all MCs Nankana Sahib as follows.

CLEANLINESS OF DRAIN NALLAH AND SEWERAGE SYSTEM.

The cleanliness of drain , nallah and sewerage system is being cleaned on regular basis.

NECESSARY REPAIR.

Culverts and sewerage lines have been repaired where it was necessary.

FLOOD EMERGENCY CELL.

Flood emergency cell has been established in the Offices of M.Cs District Nankana Sahib and equipped with telephone facility / staff for early receipt information and prompt action.

DEWATERING SETS

MCs has 05 Nos. of dewatering sets provided by PDMA are in working position.

DISPOSAL WORKS

1. Disposal Works Kot Sant Ram Functional
2. Disposal Works Shehidi Kot Functional

All disposal works of District Nankana Sahib are in working condition.

DETAIL OF EQUIPMETS OF OF MCS

<u>Equipments</u>	<u>District Council</u>	<u>MC Nankana</u>	<u>MC Warburton</u>	<u>MC Shahkot</u>	<u>MC Sangla Hill</u>
Sucker Machine	-	1	-	-	-
Jettier Machine	-	1	-	-	-
Water Boozzer	-	2	-	-	-
De- watering set	06	07	2	4	2
Jetting machine	-	-	-	1	-
Tents	-	-	-	30	60
Kanopi	-	-	-	7	-
Generator	-	-	-	-	2

CONTINGENCY/PRE-FLOOD PLAN/ARRANGEMENTS **2018 LIVESTOCK OF DISTRICT NANKANA SAHIB**

FUNCTIONS DURING PRE/POST FLOOD (DAY AND NIGHT SERVICES)

1. Extension of preventive & curative measures to disaster affected animals & rural / commercial poultry.
2. Provision of deworming facilities to the breeders and tenants residing along the river Ravi.
3. Promotional efforts for community mobilization to avail the livestock services during disaster, as well as during the course of disaster relief activities.
4. Provision of veterinary services during disaster period.
5. Target oriented vaccination coverage.
6. Wide spread media and advertisement facilities for public awareness regarding the extension of Vety. Services in disaster affected areas of District Nankana Sahib.
7. Provision of emergency services and first aid treatment.
8. Provision / inoculation of all available types of vaccination services to control contagious outbreaks (Epidemic and endemic)
9. Provision of Breed Improvement services to the breeders of disaster affected in District Nankana Sahib.
10. Provision of services to control reproductive disorders during disaster.
11. Liaisons with District Administration functions and central disaster cell of District Administration Nankana Sahib.
12. Data base consolidation and proper reporting system to L&DD Department Lahore, and District Administration Nankana Sahib.
13. Liaisons with Civil Defense and revenue departments already deployed by District Administration Nankana Sahib in disaster affected areas, and to facilitate the evacuation of animals during rise of flood, if it required.

ANTICIPATED / EXPECTED LIVESTOCK POPULATION TO BE AFFECTED IN CASE OF DISASTER / FLOOD EMERGENCY

Large	Small	Camel	Horse	Asses	Mule	Total	Rural Poultry
103820	23784	220	375	996	589	129784	13501

INFRASTRUCTURE AND HUMAN RESOURCES

VETERINARY HOSPITALS	VETERINARY DISPENSARIES (ANIMAL HEALTH)	VETERINARY DISPENSARIES (SSLF)	Mobile Veterinary Dispensaries	TOTAL
12	11	30	2	55

STAFF / MANPOWER TO BE DEPLOYED DURING FLOOD 2018

Veterinary Officers (H)	Veterinary Assistants	A.I.Ts	Total staff to be deployed
07	10	03	20

ARRANGEMENTS OF TRANSPORT

Additional Director Livestock	Deputy Director Livestock cum Mobile Veterinary Dispensary Nankana Sahib	Mobile Team of District Livestock Department Nankana sahib
NBG-1072	NBG-1069	NBG-1073 NBG-9212

OPERATIONAL PLAN

Vaccination Campaign Pre-Flood Season/During/After Flood

1. HSV and NDV has already been completed in District Nankana Sahib, including Flood sectors of Nankana Sahib.
2. ETV Vaccine will start on 01-Apr-2018 as per notified vaccine schedule of District Nankana Sahib and will be completed before the end of May-2018.
3. To ensure veterinary coverage and prophylactic vaccination to each and every animal/poultry bird and to adopt appropriate measures to check any epidemic or endemic outbreak during disaster, including any contagious dilemma.
4. Flood vaccination campaign will be started immediately and fortnight reporting system will be obtained and during the flood period the reporting will be on daily basis.
5. Veterinary Officers (H), A.I Technicians and Veterinary Assistants will be deployed to ensure flood vaccination activity throughout the District.
 - i. Mobile Units comprising of Veterinary Officers (H), V.As, AI Technicians, and Cattle Attendants in District H.Q. will provide, vaccination, treatment and deworming facilities when and where required throughout flood affected area in the District.
 - ii. Required banners and advertisement material will be prepared for public awareness.
 - iii. Emergency relief activities in case of any threat or damage will be reinforced taking not more than 30-40 minutes time, when and where required.
 - iv. Necessary stocks of the vaccines have to be made available by the Govt. of the Punjab L&DD Department. Whereas, medicine will be provided by District Administration Nankana Sahib.

VACCINATION FACILITIES TO BE PROVIDED DURING DISASTER

- Hemorrhagic Septicemia Vaccine.
- Black Quarter Vaccine.
- Enterotoxemia Vaccine.
- Foot & Mouth Vaccine.
- New Castle Vaccine.
- Contagious Caprine Pluropneumonia Vaccine.
- Peste Des Petitis Ruminant (PPR) Vaccine.

AVAILABILITY OF VACCINES

Adequate stocks of vaccines are available at every Veterinary institution as well as in stores of office of ADL, Nankana Sahib. All the vaccination and treatment facilities will be provided free of cost.

TREATMENT & VACCINATION PROGRAMME / REPORTING SYSTEM

- 1 Deputy Director Livestock will monitor flood vaccination throughout the District.
- 2 Veterinary Officer (H) will treat and supervise the work of Veterinary Assistants and others.
- 3 Veterinary Assistant will treat the Animals in the respective flood affected areas.
- 4 Additional Director Livestock will monitor 10% of disaster vaccination work randomly.
- 5 Disaster vaccination reports received from field will be conveyed to higher authorities fortnightly and then on daily basis.

STORAGE / AVAILABILITY OF VACCINE

- 1 Veterinary Research Institute Lahore will provide vaccines on requisition District Headquarter. However 10,000 doses of each category of vaccine will be available in the store of ADL, Nankana Sahib apart from adequate quantities at each and every Vety. Institution.
- 2 Vety Hospitals are fully equipped with medicines, equipments and refrigerators for proper storage and field supply of vaccines & sera when and where required.
- 3 Necessary requisition for additional supply of vaccines and sera has been made to Veterinary Research Institute, Ghazi Raod, Lahore Govt. of Punjab, L&DD Department, in advance.
- 4 Chargeable vaccination activity on scheduled rates will be provided till any declaration of competent authority.
- 5 Whereas, treatment & first aid measures will be provided free of cost.

DUTIES OF STAFF AT DIFFERENT DISASTER SECTORS OF DISTRICT

NANKANA SAHIB.

TEHSIL NANKANA SAHIB

Sr. No	Name of flood sector	Incharge flood relief sector	Cell No.	Staff deputed at flood sector	Cell No.
1	Ganeshpur	Dr. Faramarz Roshani VO	0321-4660919	Muhammad Shahbaz V A	0345-4257981
2	Bachoki Par	Dr. Adeel Shahbaz, VO	0321-7202882	1.Muhammad Khalid V.A 2.Matloob A.I.T	0300-4351670 0306-6607606

3	Huft Modder	Dr. Zeeshan Maqbul	0333-4182408	Muhammad Ashiq AIT Abid Irfan VA	0333-4353669 0337-9682818
4	Koto Singh	Dr. Muhammad Iqbal	0307-4413597	Shahid Iqbal VA Mohsin Iqbal VA	0332-4881051 0302-4119106
5	Halla Syedan	Dr. Muhammad Shahid VO	0302-4167964	Ghulam Qadir V.A Asghar Ali A.I.T	0337-9682770 0337-9686134
6	Fareedabad	Dr. Sajjad Haider VO	0321-6802006	Iftkhar Ahmad A.I.T Zulfiqar Ali V.A	0300-7843341 0300-6072722
7	Syed Wala	Dr. Waqar Ahmad VO	0302-9671511	Mujahid Iqbal V.A Zawar Hussain V.A	0337-9688292 0301-3861287

INFORMATION REGARDING FLOOD PRONE AREA OF THE DISTRICT NANKANA SAHIB

Sr. No.	Tehsil	UC	Villages	Farmer Name	Cell No.
1	Nankana Sahib	Machora Hasim	Halla Piran Wala, Roopa, Prinda Sharif, Waraich	Amlak Khan	0301-7278817
2		Chak Hyderabad	Kund Rehm Shash, Chak Faridabad,	M. Aslam	0301-7148426
3		Syedwala	Syedwala	Abdul Manan	0302-4647276
4		Ganeshpur	Nawan Kot, Jattan Da Wara, Hairay, Rosay, Keway De Baig	M. Arif	0343-4976667
5		Haft Modder	Jag Chak, Haft Moddar	Rai Amir	0331-4102088
6		Mehr Pur	Hibo Ki Bala, Kawara Kalan, Salak ka Thatha, Thatha Ahmad ka,	Alam Sher	0305-6403117
7		Kot Naubahar	Kotan Wala, Kot Jan Muhammad, Qila Qumbar Singh, Khai, Murrara	M. Arshad	0333-4390969
8		Shah Balawal	Bangali Shah Bilawal	Master Iqbal	0300-3375185
9		Chaindpur	Naro ki, Sadique Abad, Chaind Pur, Thatha Sandrana, Kot Tahir	Basharat Dogar	0346-6524380

MOBILE UNIT / RAPID RESPONSE TEAM

Sr. No.	Name of officers / Officials	Designation	Cell. No.
1	Dr. Muhammad Azam	Veterinary Officer (H)	0332-6495458
2	Dr. Asim Sattar	Veterinary Officer (H)	0302-3333204
3	Mohsin Raza	Veterinary Assistant	0337-9688293
4	Mubashir Zafar Ali	Veterinary Assistant	0307-4912770
5	Walayat Ali	Driver	0300-4696781
6	Muhammad Iftkhar	Driver	0302-4351442
7	Raza Shah	Cattle Attendant	0302-4821251
8	Raza Ali	Cattle Attendant	0300-4989633

MEASURES TO COMBAT FLOOD

1. **CONTROL ROOM**

Disaster Emergency control cell will be established in the office of Additional Director Livestock Nankana Sahib. Said cell will work round the clock, under supervision of an officer not below the rank of BS-17 along with two office Assistants for collection of information from the field for onward submission to the higher authorities till the emergency is over.

2. **LIAISON DUTIES**

Additional Director Livestock will maintain close liaison and contact with the Deputy Commissioner to seek instructions of the higher authorities and will timely comply.

3. **MONITORING AND SUPPLY**

Additional Director Livestock will supervise the work performance of each and every flood sector throughout the District and will ensure the supply of services material, what so ever

is required. Additional Director Livestock Nankana Sahib will pay daily visits to the flood sectors across the whole District.

4. **AWARENESS AND PUBLICITY**

Banners regarding flood relief activities will be displayed on the prominent places of flood relief centers to inform about the facilities available over there, alongwith announcement system at vehicles in flood affected area.

5. **EMERGENCY MEDICINES**

Additional Director Livestock will ensure the availability of adequate stock of anti biotic, anti diarrheas and anti septic, disinfectants, dewormers and life saving drugs, what so ever is required which has also been made.

6. **FEED & FODDER PROVISION:**

The Distribution of feed & fodder if required on provision of District Administration.

- v. The suspected quantity of wanda requirement will be 2500 bags of 50 kg each.
- vi. The quantity of wheat straw requirement will be 15600 mands.

DAILY REPORTS

Daily vaccination and treatment reports will be reported to higher authorities of L&DD Department including the Deputy Commissioner Nankana Sahib.

POST ACTIVITIES

1. **DISASTER LOSS PROFORMA**

Additional Director Livestock will consolidate and compose all types of losses during flood to livestock sector and will communicate to concerned quarters.

- a) Damage to livestock and poultry (Died due to diseases).
- b) Dairy Farm buildings and machinery damaged.
- c) Veterinary institutions / buildings damaged.
- d) Stores / godoms of dry fodder and animal feed damaged.

2. **VACCINATION WORK**

This will remain continued regularly with proper pace in the flood affected areas.

DEWORMING PROGRAMME DURING FLOOD

Intensive Deworming will be carried out and all types of animals will be dewormed against all species of endo and ecto parasites, for sustainable productivity of flood effected livestock population.

3. DAILY FLOOD REPORTS

Daily Flood reports on detailed below proforma will be consolidated at District level and then communicated to all concerned.

Sr. No	Activity	Achievements
1	Treatment Large Animals Small Animals Rural / Commercial Poultry	
2	First Aid Services	
3	Deworming (Large & Small Animals)	
4	Vaccination Large Animals Small Animals Rural / Commercial Poultry	
5	Breed Improvement Services	
6	Publicity and awareness	

FOCAL PERSON FOR FLOOD MANAGEMENT PLAN.

Name of Disaster Centre	Name of Officer	Contact No.
All Flood Sectors/ Centres	Dr. Khalid Mahmood DDL Tehsil Nankana Sahib	0303-8310197
	Dr. Rashid DDL Tehsil Shahkot	0300-7646188
	Dr. Mukhtar DDL Tehsil Sangla Hill	0332-0534682

SUMMARY PRE-FLOOD PLAN/ARRANGEMENTS 2018

Focal Person: Dr. Khalid Mahmood Deputy Director Livestock Nankana Sahib.

In order to control contagious & infectious diseases of animals & poultry in the District before the onset of rainy season & during the flood emergency in the District from dreadful disease like HS, Foot & Mouth in cattle & Buffalo, CCP vaccine Enterotoxaemia in sheep & Goat, ND in poultry.

PRE-FLOOD VACCINATION CAMPAIGN

Pre-flood vaccination is in process as per schedule provided by the worthy Secretary L&DD Dept. The field staff has been directed to provide maximum prophylactic vaccination to the livestock in their respective areas.

FLOOD VACCINATION CAMPAIGN

The said campaign will be started w.e.f 15-06-2018 and will remain operative till 30-09-2018 in District Nankana Sahib.

DETAIL OF FLOOD RELIEF SECTORS & STAFF DEPUTED

8 Flood sectors will be established with 7 Veterinary Officers, 10 Veterinary Assistants & 3 A.I Technicians. The detail is as under.

Tehsil Nankana Sahib

Sr. No	Name of flood sector	Incharge flood relief sector	Cell No.	Staff deputed at flood sector	Cell No.
1	Ganeshpur	Dr. Faramarz Roshani VO	0321-4660919	Muhammad Shahbaz V A	0345-4257981
2	Bachoki Par	Dr. Adeel Shahbaz, VO	0321-7202882	1.Muhammad Khalid V.A 2.Matloob A.I.T	0300-4351670 0306-6607606
3	Huft Modder	Dr. Zeeshan Maqbul	0333-4182408	Muhammad Ashiq AIT Abid Irfan VA	0333-4353669 0337-9682818
4	Koto Singh	Dr. Muhammad Iqbal	0307-4413597	Shahid Iqbal VA Mohsin Iqbal VA	0332-4881051 0302-4119106
5	Halla Syedan	Dr. Muhammad Shahid VO	0302-4167964	Ghulam Qadir V.A Asghar Ali A.I.T	0337-9682770 0337-9686134
6	Fareedabad	Dr. Sajjad Haider VO	0321-6802006	Iftkhar Ahmad A.I.T Zulfiqar Ali V.A	0300-7843341 0300-6072722
7	Syed Wala	Dr. Waqar Ahmad VO	0302-9671511	Mujahid Iqbal V.A Zawar Hussain V.A	0337-9688292 0301-3861287

RESERVE QUOTA OF VETERINARY MEDICINES

Adequate quantity of Veterinary medicines i.e Antibiotics, Antipyretics, Anthelmintics are present at H.Q.

DAILY VACCINE REPORT FROM 15-06-2018 TO 30-09-2018

The said report will be submitted regularly on daily basis.

DEPARTMENT OF AGRICULTURE

EXTENSION NANKANA SAHIB

INTRODUCTION:

The word Nankana derived from the name "Guru Nanak" (the founder of Sikhism was born on 15th April, 1469 at Rai-Bhoi-di Talwandi now called Nankana Sahib. Guru Nanak died on 22nd September, 1539). Nankana Sahib is one of the most sacred religious places of Sikh religion in the world and thousands of Sikhs from every corner of the world visit Nankana Sahib to celebrate "Janam Din" and "Baisakhi".

Nankana District was established on 01-07-2005 and is an Agriculture-based District. About 70 % of the total population is associated with Agriculture. The cropping pattern in the District is Wheat and Rice. About 70 % soils are fine Loamy, 18 % coarse Loamy and 12 % are associates of coarse and fine Loamy soils. The temperature ranges between 28°C to 45°C in summer and 2°C to 21°C in Winter. Average annual rain fall is 520 mm.

STATISTICAL DATA

COORDINATES : 31°27N73°42E

NO. OF TEHSILS : 3

NO. OF U.CS : 65

NO. OF MARKAZ : 8

NO. OF VILLAGES : 485

Name of Tehsil	Cultivated Area (Acres)	Uncultivated Area (Acres)	Total (Acres)
Nankana Sahib	336645	73751	410396
Shahkot	58576	10782	69358
Sanglahill	59555	12382	71937

Total (Distt.)	454776	96915	551691
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CAUSES OF FLOOD IN DISTRICT NANKANA SAHIB

- Over flow of River Ravi.
- Over flow of Nullah Dek.
- Heavy Rains,
- Breach made on Madhudas Bund

FLOOD HISTORY

Sr. No.	Year	Intensity of Flood (cusec)
1	1950	275540
2	1955	204360
3	1973	298000
4	1976	255976
5	1988	380845

TIME LAG STATEMENT REGARDING FLOW OF WATER

Sr. No.	Points	Distance in Miles	Time Lag in Hours
1	Madhupur to Jassar	59	18
2	Jassar to Ravi Siphon	58	12
3	Ravi Siphon to Shahdra	20	03
4	Shahdra to Balooki	60	24
5	QB Link to Balooki	80	24

VILLAGES AFFECTED DURING FLOOD "RIVER RAVI"

A. Low flood

Sr. No.	Village	Sr. No.	Village
1	ThathaMohtam	15	Pinjnanwali
2	Sheikh Da Tubewell	16	Chak 2 UCC
3	Goraya	17	QillaKotu Singh Wala
4	ThathaGujraan	18	Jewan Pura
5	Bhuchoki Par	19	Narooki
6	Siddique Da Tubewell	20	QillaQamer Singh

7	GnaishPur	21	Jag Chak
8	Hairay	22	Haft Mader
9	WarraJattan	23	Siddique abad
10	Kot Hussain	24	Fareed abad
11	Nawaankot	25	KundReham Shah
12	Dllan	26	Lachman das
13	Rossay	27	Purana Sayedwala
14	Qila Qairka	28	HaibokiBala

B. Medium Flood

Sr. No.	Village	Sr. No.	Village
1	Doni	18	Jug Chak
2	Tibbi Sarang	19	Harray
3	Sheikh Bilawal	20	Buchoki Par
4	Sobha	21	BeghekiJughian
5	Khizar Abad	22	Kund Sarkar
6	Nazar Pacca	23	Kumbar
7	GnaishPur	24	ChalarKindi
8	Thakar Kay	25	Mumbar
9	Thakar Kay	26	Thatta Hara Singh
10	Aloki	27	ThattaBarhana
11	Chak No. 3 UCC	28	ChaindPur
12	Chadhar	29	Prinda
13	Qila Koto Singh	30	Jag
14	GhagaJhabeel	31	Dher
15	Qila Qamar Singh	32	Kawera Kalan
16	Qila Koir Ka	33	Chak Bath
17	ChaniChakar	34	Hattrain

C. High Flood

Sr. No.	Village	Sr. No.	Village
1	Jag Chak	29	Bath
2	HafatMadar	30	Hallah Syedian
3	Wairpur	31	Hallah Khichian
4	Maliwal	32	Warriach
5	Khakh	33	Chak Bath
6	Dhudian	34	Thatha Khazan
7	Shah Chak	35	Maddo
8	Qila Moham Singh	36	Doni
9	ChittiJatri	37	Tibbi Sarang
10	Jatri	38	Shah Balawal
11	Asaplar	39	Hairay
12	Gorya	40	Aloki
13	Mango Tarru	41	Thakkar Kay
14	Qilla Pacca	42	Hatarian
15	KotBehni Das	43	Bhuchukipar
16	Madhuki	44	Chak No. 3 UCC
17	Qilla Tara Singh	45	Abadi
18	Naruki	46	Panjwali
19	Qila Dharm Singh	47	Khizerbad
20	ChandPur	48	Haharipur
21	ChakChaindpur	49	Qila Koarka
22	Sundhrana	50	KillaKatu Singh
23	ChakSundhrana	51	Kaka
24	Roday	52	ChabeelPur
25	Borkan	53	Qila Kamber Singh
26	Khavayki	54	Jeweenpura

27	KotTahar	55	Gunaishpur
28	Mangera	56	ChakTaharpur

VILLAGES AFFECTED DURING FLOOD "Nullah Dek"

Sr. No.	Village	Sr. No.	Village
1	Moondi	22	Fateh Darya
2	Garray	23	Admil
3	Khairey Kalan	24	Kotli Lal
4	Dhoni	25	GanjeePeeran
5	Khooni	26	Attari Ram Singh
6	Barkhudar	27	AttariChakar
7	Bucheki	28	AraziKhochi
8	Dhamoonwala Khurd	29	Dhammonwala Kalan
9	Khairpur	30	Bandekijageer
10	Badday	31	Mohabatwala
11	Balaqi	32	Tashpur
12	Alianwala	33	Tkhtuwala
13	Chaura Langar	34	Qila Roop Singh
14	Nutt	35	ThatanSoortan
15	Chak No. 58/6	36	Bagri Bagra
16	Chak No.59/7	37	Thatha Nehal
17	Chak No. 73/9	38	Chheeneke
18	Kheran	39	Wan Jhandanwala
19	ThatanBhattian	40	Chak NO. 76/12
20	Kheweki	41	Chak No. 68/12
21	Chak No 64/11	42	Toleki

CONTINGENCY PLAN TO CATER FLOOD EMERGENCIES

A. Pre Flood:

- To promote water loving crops in and around river beds and flood plains.
- Crops may be sown on ridges /beds.
- Wheat and other crop producemay not be stored in flood prone areas.
- Fertilizer, tools, implements and farm machinery etc. must be stored at safer places.
- Bhosa, dry fodder and vegetables must be secured at safer places.
- Agro-met reports and other alerts about rain must be prepared for the consumption of farmers.
- Create awareness regarding flood situation among farming community.

B. During Flood:

- To coordinate with District administration in rescue operations and relief activities.

C. After Flood:

- To survey and access the damage of crops.
- To educate the farmers for use of agronomic and plant protection measures for safety of their orchards and crops.

PHYSICAL RESOURCES TO BE DEPLOYED DURING FLOOD

Main Flood Relief Center

Govt. Boys High School Mandi Faizabad.

Focal Person: Mr. Faheem Nasir, Agriculture Officer (Ext.) Nankana Sahib. Cell No. 0300-8486028.

Sr. No.	Advance Relief Camp	Name of Focal Person	Cell No
1	Buchoki Par	Shahbaz Hussain FA	0315-1229705
2	Harray	Muhammad Ashraf F.A	0308-4253552

Main Flood Relief Center

Govt. Boys Higher Secondary School More Khunda.

Focal Person: Mr. Faheem Nasir, Agriculture Officer (Ext.) Nankana Sahib. Cell No. 0300-8486028.

Sr. No.	Advance Relief Camp	Name of Focal Person	Cell No
1	Jag Chak	Asadullah F.A	0300-4565056
2	Qila Koierka	Muhammad Shahbaz	0333-4262219

Main Flood Relief Center

Govt. Girls Higher Secondary School More Khunda.

Focal Person: Mr. Faheem Nasir, Agriculture Officer (Ext.) Nankana Sahib. Cell No. 0300-8486028.

Sr. No.	Advance Relief Camp	Name of Focal Person	Cell No
1	Asal Par	Ghulam Abbas F.A	0305-4466564

Main Flood Relief Center

Govt Boys Higher Secondary School Bara Ghar.

Focal Person: Rai Haseedul Hassan, Agriculture Officer (Ext.) Sayedwala. Cell No. 0333-7516351.

Sr. No.	Advance Relief Camp	Name of Focal Person	Cell No
1	Halla Sayedan	Muhammad Raza Shah F.A	0306-3324512

Main Flood Relief Center

Govt Boys High School Sayedwala.

Focal Person: Rai Haseedul Hassan, Agriculture Officer (Ext.) Sayedwala. Cell No. 0333-7516351.

Sr. No.	Advance Relief Camp	Name of Focal Person	Cell No
1	Farid Abad	Muhammad Aslam F.A	0307-4913593
2	Old Sayedwala	Muhammad Fiaz F.A	0302-7989003

HEALTH DEPARTMENT:

DISTRICT PROFILE

PARAMETERS	NO.
Total Population	1453523
Total Area in sq.kms	2719Sq. Km.
No. of Tehsils	03
No. of Union councils	57
HEALTH FACILITIES	
DHQs #	01
THQs #	02
RHCs	06
BHUs	46
Civil Hospital	01
GRD	03
RD	19
MCH	06
Other Health Facilities	-
HUMAN RESOURCES	
SMOs/MOs/WMOs	115
Male Paramedics	460
SH&N Supervisor	37
Female Paramedics	163
Support Staff	454
Male	426
Female	28
Drivers	50
Spray man	04
LHW	592
LHS	25
CMW	90

What Went Well?

(Please mention initiatives taken by district previously that proved beneficial for flood relief activities, e.g. timely insecticide spray activities, vaccination in camps)

- In the concerned Union Council Medical Camps along with Vaccination Camps were established insecticides spray activities were also performed.
- The staff deputed reached well in time in the Medical Relief Camps.
- The Medicines were also supplied in the camps.
- The Vaccination Staff deputed in the camps performed duties up to the Mark.
- ORS and other Medicines were also provided in the camps.

What Went Wrong?

(Please mention briefly the weak areas and deficiencies which caused hindrances in providing immediate relief to flood victim's e.g.

- There were no refrigerators present in the camps to keep the vaccines.
- There was acute shortage of Ambulances in the area to shift the serious patients in emergency like snake bite and accidents etc.
- There was no nominated/designated places where the people affected by flood, can be looked after and the people were scattered in wide area.
- There were no shelter camps available in that area.
 - Coordination with NGOs and INGOs,
 - lack of clarity in supply chain management
 - Weak Inventory control management system
 - No reserve stock of medicines
 - Reporting on DEWS
 - No arrangement for accommodation of staff moved from other districts.
 - Shortage of POL for vehicles and foggers
 - Lack of institutional arrangements of trained spraymen
 - Lack of arrangements of latrines at camps
 - Arrangement of safe drinking water
 - And -----

Key areas to be addressed in light of lessons learnt

(Please mention briefly what steps are proposed in current plan to avoid repetition of previous mistakes)

- No flood in District Nankana Sahib after 1988.

AREAS LIKELY TO BE AFFECTED

Table 1 High Intensity Floods/Flash floods/Hill Torrents; Geographic Areas, Population & HF likely to be affected

TEHSIL	UNION COUNCIL	VILLAGE/S	POPULATION LIKELY TO BE AFFECTED #	NEAREST HEALTH FACILITY/IES
Nankana Sahib	Ganaishpur	Wara Juttan ,Wara Qadir Bakhshik,Thatha Gujjaran,Chah Thakidadaran,Lalowala, Gohar Kokian,	4776	BHU Mithran Pur
Nankana Sahib	Joge Kot Nau bahar	Pir Kot, Ratti Tabbi, Jeevan Pura, Kot Jan Muhammad, Qila qamer Singh, Qila Qoto Singh,Chah Saddiq, Qila Koier Ka, Khizer abad, Tolekey	5854	BHU Jagay Kot Nau Bahar
Nankana Sahib	Haft Mader	Jug Chak, Ghoria, Chiti Maliwal, Penjanwali,	5443	BHU Haft Mader
Nankana Sahib	Kot Bini Das	Kukh, Aasil Par,	4519	BHU Kot Pini Das
Nankana Sahib	Chaind Pur	Naroki, Thatha Mahra,	1027	BHU Kot Tahir
Nankana Sahib	Machora	Chak No.62	205	BHU Machara
Nankana Sahib	Chak Hyderabad.	Purana Farieedabad, Kund Reham Shah,Kumd qasim	2057	BHU Chak Hayderabad
Nankana Sahib	Malka Hajji.	Thatha Jhaidwan, Sohba,	616	BHU Malka Haji
Nankana Sahib	Syedwala	Purana Syedwala,Dooni, Purana Sheikh Balawal	1027	RHC Syedwala
Nankana Sahib	Mehr Pur	Mumbarh, Bagey Ki Jhugian Thatha Salkat, Thatha Yaray ko,Wan Jhunda,Khoo Agra,	1541	BHU Mehr Pur
Nankana Sahib	Fatta Thatha	Fatah Thatha, Muhbat Wala, Chah Jafar, Mahlewala, Azem Wala, Tahktuwla, Mahlaywala, Sorarh	5032	BHU Fatta Thatha BHU Doday
Nankana Sahib	Mangtanwala	Khiaray Kalan,	4724	BHU Khiray Kalan
Nankana Sahib	Nabi Pur Piran	Nabi Pur Deik	2054	BHU Nabi Pur Piran
Nankana Sahib	Kot Namdar.	Khair Pur, Dhari Chaker, Katuka, Thatha	1130	BHU Thatha Ismailpur
Nankana Sahib	Bucheki.	Bucheki	5263	RHC Bucheki
Nankana Sahib	Shah Balwal	Thatha Nehal, Cheemaki Sahi, Bhaira	1541	BHU Thatha Bhattina
Nankana Sahib	Lurhka.	Shah Pura Bhagri Bhagra	1541	BHU Lurka
Total			48350	

Table 2 Moderate Intensity Floods/Flash floods/Hill Torrents; Geographic Areas, Population & HF likely to be affected

TEHSIL	UNION COUNCIL	VILLAGE/S	POPULATION LIKELY TO BE AFFECTED#	NEAREST HEALTH FACILITY/IES
Nankana Sahib	Ganaishpur	Dhana Kumharan,Dhana Ratan Sing, Ganaish Pur, Hiray,	5135	BHU Mithran Pur
Nankana Sahib	Joge Kot Nau bahar	Chak Tahir, Kot Rana Shakoor,	719	BHU Jage Ko Nau Bahar
Nankana Sahib	Haft Mader	Haft Mader, Karianwala	5854	BHU Haft Mader
Nankana Sahib	Kot Bini Das	Dhudhian,	3184	BHU Kot Pini Das
Nankana Sahib	Chaind Pur	Thatha Mangaira,Thatha Sandrana	616	BHU Kot Tahir
Nankana Sahib	Machora	Thatha Mahran, Awan Tahli, Roopa Mahtm	1541	BHU Machara
Nankana Sahib	Chak Hyderabad.	New Fariad abad	1643	BHU Chak Hayderabad
Nankana Sahib	Malka Hajji.	Malka Haji, Chak Hukam Sing,	2568	BHU Malka Haji
Nankana Sahib	Syedwala	Sheikh Balwal, Kot Naseer,	1027	RHC Syedwala
Nankana Sahib	Mehr Pur	Ehata Lal, Thatha Ranera, Kavera Kalan,Heboki Zerein	2568	BHU Mehr Pur
Nankana Sahib	Fatta Thatha	Chaura Langar, Thatha Gahna	1951	BHU Fatta Thatha
Nankana Sahib	Mangtanwala	Bulaqi, Cotli Lal	1849	BHU Khiray Kalan
Nankana Sahib	Nabi Pur Piran	Dhari Bhattian Chamrutti	1027	BHU Nabi Pur Piran
Nankana Sahib	Kot Namdar.	Attri Ram Sing, Khooni	2054	BHU Thatha Ismailpur
Nankana Sahib	Bucheki.	Demo ana Kalan, Khurd	1027	RHC Bucheki
Nankana Sahib	Shah Balwal	Chak No.19 Khiokey Bhatti Darbar Faqiran	1232	BHU Thatha Bhattina
Nankana Sahib	Lurhka.	Qila Roop Sing, Lurka Malik da Chak, Chak No.4, Herbhan	1027	BHU Lurka
Total			35022	

Table 3 Mild Intensity Floods/Flash floods/Hill Torrents; Geographic Areas, Population & HF likely to be affected

TEHSIL	UNION COUNCIL	VILLAGE/S	POPULATION LIKELY TO BE AFFECTED #	NEAREST HEALTH FACILITY/IES
Nankana	Ganaishpur	Nawan Kot, Rosay, Mithran	5751	BHU Mithran

Sahib		Pur, Qila Mian Sing		Pur
Nankana Sahib	Joge Kot Nau bahar	Khapar Ka, Bara Kekar, Kot Nau Bahar, Jamal Pur, Chak No.01 Thatha Karam Din	5032	BHU Jage Ko Nau Bahar
Nankana Sahib	Haft Mader	Basidhar, Shah Chak, Ratti Tabbi, Sasu Sharif, Chand Pur	4211	BHU Chand Pur
Nankana Sahib	Kot Bini Das	Hirya, Qila Tara Sing, Mangu Taroo	3184	BHU Kot Pini Das
Nankana Sahib	Chaind Pur	Kot Tahir, Saddique Abad, Chaind Pur	4211	BHU Kot Tahhir
Nankana Sahib	Machora	Halla syedan, Halla Khichian, Warrich	2568	BHU Machara
Nankana Sahib	Chak Hyderabad.	Malka Rodday, Dhoni, Dhari Jattian, JamaKi, Murdaki	6162	BHU Chak Hayderabad
Nankana Sahib	Malka Hajji.	Malka Mauj	924	BHU Malka Hajji
Nankana Sahib	Syedwala	New Syedwala, Maddo	10270	RHC Syedwala
Nankana Sahib	Mehr Pur	Hboka Bala, Pindi Chairi, Kudladhi, Thatha Padhiar, Thatha Ahmed, Mehr Pur	6367	BHU Mehr Pur
Nankana Sahib	Fatta Thatha	KairanWala, Kot Devan, Jasal Wala, Mondi Kalaian Aalinwala Kawanwali	5135	BHU Fatta Thatha
Nankana Sahib	Mangtanwala	Kot Mohaltan	822	BHU Khiray Kalan
Nankana Sahib	Nabi Pur Piran	Nabi Pur Piran	2568	BHU Nabi Pur Piran
Nankana Sahib	Kot Namdar.	Ganji Piran	1130	BHU Thatha Ismailpur
Nankana Sahib	Bucheki.	Chochak	514	RHC Bucheki
Nankana Sahib	Shah Balwal	Tabbi Nehal, Ali Judge, Bagewala	822	BHU Thatha Bhattina
Nankana Sahib	Lurhka.	Malik da Chak, Chak No.4, Herbhan	2568	BHU Lurka
Total			62239	

Disaggregation of Population at Risk

(Please only change the "Total Population likely to be affected", rest of the calculations will change automatically.) 145611

Table 4 Vulnerable groups of target population

Table 5 Expected Burden of Disease

<i>Expected Burden of Disease Based on Data from Flood 2016</i>			<i>23220</i>
S. No.	Disease	%	Average Monthly #
1	Injuries	2%	464
2	Snake bite	0.03%	7
3	Dog bite	0.08%	19
4	Skin infection	21%	4,876
5	Eye infection	6%	1,393
6	Diarrhea	11%	2,554
7	ARI	18%	4,180
8	Fever	10%	2,322
9	Others	31%	7,198
10	Expected Malnourished Children	13%	3,019

FIXED CENTERS & MOBILE TEAMS PLANNED FOR FLOOD/RAIN RELIEF PLAN 2017 DISTRICT NANKNA SAHIB

(For filling up of tables # 7 and 8, yard stick for HR is given below)

HR for each Fixed Center

Medical officer	2
LHVs	2
Dispensers	2
Support Staff Male	2
Female	2

HR for each Mobile Teams

Medical officer	1
LHVs/Midwives	1
Dispensers	1
Driver	1

No. of fixed centers	10
No. of fixed camps	04
No. of mobile teams	04
No. Preventive Health Teams	16

STAFF DEPUTED IN FLOOD/RAIN RELIEF PLAN 2017 OF DISTRICT NANKANA SAHIB

Medical Officers	27
Paramedics Male	101
Paramedics Female	44
Supports Staff Male	61
School Health & Nutrition Supervisors	14
Lady Health Supervisors	14
Vaccinators	14
CDC Supervisors	14

FIXED CAMP RHC REHANWALA No.01 Timing:-08:00AM to 03:00PM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	Rehanwala	Dr. Muhammad Ahad Shafique Dental Surgeon	RHC Rehanwala	0336-4572898
2	Nankana	Rehanwala	Uzma Shahzadi C.N	RHC More Khunda	0332-4360729
3	Nankana	Rehanwala	Nadia Akram LHV	BHU Fathatha	0300-4928250
4	Nankana	Rehanwala	Mahboob Alam Dispenser	RHC Rehanwala	0331-4224851
5	Nankana	Rehanwala	Imran Yasin Dresser	RHC Rehanwala	0333-4576610
6	Nankana	Rehanwala	M. Hussain Tubewell Operator	RHC Rehanwala	0343-4218818
7	Nankana	Rehanwala	Saif Ullah Naib Qasid	RHC Rehanwala	0301-4494518
8	Nankana	Rehanwala	Naveeda Parveen Ward Servant	RHC Rehanwala	0301-4062125
9	Nankana	Rehanwala	Ali Hussnain Ward Servant	RHC Rehanwala	0301-4914962
10	Nankana	Rehanwala	Surya Bibi S/W	RHC Rehanwala	0345-6360740

FIXED CAMP RHC REHANWALA No.01 Timing:-03:00PM to 11:00PM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	Rehanwala	Dr. Saima Aslam WMO	RHC Rehanwala	0333-0440503
2	Nankana	Rehanwala	Uzma Aslam CN	RHC Rehanwala	0306-4174807
3	Nankana	Rehanwala	Zahida Anwr LHV	RHC Rehan Wala	0307-4603313
4	Nankana	Rehanwala	Mohammad Asif Dispenser	RHC Rehan Wala	0300-4451606
5	Nankana	Rehanwala	Mohammad Shafiq Dispenser	BHU Fatha Thatha	0303-6715618
6	Nankana	Rehanwala	Samina Riaz Midwife	RHC Rehan Wala	0306-7039258
7	Nankana	Rehanwala	Zahida Shafqat Midwife	BHU Fateh Derya	0302-4338784
8	Nankana	Rehanwala	Imran Ali N/Q	RHC More Khubnda	0307-4603849
9	Nankana	Rehanwala	M. Ramzan W/M	RHC Rehan Wala	0347-6612465
10	Nankana	Rehanwala	Mehmood Masih S/W	RHC Rehan Wala	0334-4104397

FIXED CAMP RHC REHANWALA No.01 Timing:-11:00PM to 08:00AM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
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1	Nankana	Rehanwala	Dr. Tafseel Ahmad MO	RHC Rehanwala	0303-0017572
2	Nankana	Rehanwala	Aysha Asim CN	RHC Rehanwala	0331-9641049
3	Nankana	Rehanwala	Najma Akhtar LHV	RHC Rehanwala	0307-4294375
4	Nankana	Rehanwala	Azra Hafeez Midwife	RHC Rehanwala	0333-4101134
5	Nankana	Rehanwala	Rehan Suleman Dispenser	Yaqoomia Hospital	0300-7871106
6	Nankana	Rehanwala	Rizwan Afzal Dispenser	RHC Rehanwala	0345-6302643
7	Nankana	Rehanwala	Kokab Ara Midwife	BHU Mithran Pur	
8	Nankana	Rehanwala	Shrafat Ali NQ	RHC Rehanwala	0302-4384392
9	Nankana	Rehanwala	Munir Ahmad W/M	RHC Rehanwala	0301-7264908
10	Nankana	Rehanwala	Khalid Masih S/W	RHC Rehanwala	0302-4308846

Fixed Team Hairray (GPS Hairray)

Morning Duty

Sr. #	Name of Officer/ Officials	Designation	Place of Posting	Mobile No.
1	Dr. Syed Zeeshan Raza	M.O	BHU Mithran Pur	0333-0458559
2	Khalid Mehmood	Dispenser	BHU Mithran Pur	0301-4052693
3	Mohammad Shahbaz	Chowkidar	BHU Mithran Pur	0307-4728175
4	Sumaira Imtiaz	Midwife	Yaqoomia Hospital Mandi Faizabad	0342-6039437
Night Duty				
5	Lal Akbar	OTA	Yaqoomia Hospital Mandi Faizabad	0333-0458559
6	Farzana Nosha	Midwife	BHU Kot Nau Bahar	0346-4462160
7	Sarfraz Masih	S/W	Yaqoomia Hospital Mandi Faizabad	0307-4343168

FIXED TEAM BHUCHOKE PAR (GPS BHUCHOKE PAR) MORNING DUTY

Sr. #	Name of Officer/ Officials	Designation	Place of Posting	Mobile No.
1	Dr. Saima Aslam	WMO	RHC Rehanwala	0303-0017571
2	Rizwan Afzal	Dispenser	RHC Rehanwala	0300-4119920
3	Mehwish Iqbal	LHV	Yaqoomia Hospital Mandi Faizabad	0333-3238224
4	Malik Riaz Ahmad	NQ	RHC Rehanwala	0343-6624030
Night Duty				
5	Rizwan Aslam	Dispenser	Yaqoomia Hospital Mandi Faizabad	0301-2402602
6	Azra Hafeez	Midwife	RHC Rehanwala	0303-4287229
7	Muhammad Khalid	S/W	BHU Mithran Pur	0303-6424285

FIXED CENTRE BHU MITHRAN PUR No. 01

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1.	Dr. Tafseel Ahmad	MO	RHC Rehanwala	0333-4580023
2.	Dr. Syed Zeeshan Raza	M.O	BHU Mithran Pur	0333-0458559
3.	Najma Akhtar	LHV	RHC Rehanwala	0307-4294375
4.	Yasmin Aashiq	LHV	BHU Mithran Pur	0302-9406047
5.	Kokab Ara	Midwife	BHU Mithran Pur	0344-4988956
6.	Muhammad Naeem	Health Technician	BHU Mithran Pur	0301-4664366
7.	Khalid Mehmood	Dispenser	BHU Mithran Pur	0301-4052693
8.	Mohammad Shahbaz	Chowkidar	BHU Mithran Pur	0307-4728175
9.	Mohammad Khalid	Sanitary Worker	BHU Mithran Pur	0303-6424285
10.	Mohammad Afzal	Naib Qasid	Yaqoomia Hospital Mandi Faizabad	0301-4792893

FIXED CENTRE BHU JOGE KOT NAU BAHAR No. 02

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1	Dr. Arslan Khalid	MO	Yaqoomia Hospital Mandi Faizabad	0323-4467856
2	Medical Officer is not available.	-	-	-
3	Shameem Kousar	LHV	BHU Kot Nau Bahar.	0300-4855328
4	Robina Shahin	LHV	MCH CentreNo.2	0300-4903843
5	Farzana Nosha	Midwife	BHU Kot Nau Bahar.	0302-4929937
6	Tariq Ali	Dispenser	BHU Kot Nau Bahar.	0300-4305533
7	Mohammad Faisal	Dispenser	BHU Bahawalkot.	0347-6605418
8	Nazar Hussain	Naib Qasid	BHU Kot Nau Bahar.	0345-2036885
9	Mohammad Aslam	Sanitary Patrol	RHC More Khunda	0301-4954764
10	Khalid Mehmood	Sanitary Worker	BHU Kot Nau Bahar.	0345-4402366

MOBILE TEAM No. 01

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1	Dr. Ayesha Altaf	WMO	BHU Chand Pur	0331-4463916
2	Aneela Akram	LHV	BHU Nabi Pur Piran	0308-4724327
3	Safdar Hussain	Dispenser	BHU Nabi Pur Piran	0306-4420279
4	Muhammad Rizwan	Driver	RHC Rehanwala	0346-4529846

Note: -The vehicle **No. GJ-270** will be used in flood 2017 with mobile team.

PREVENTIVE HEALTH TEAMS No. 01

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Ganaish Pur	Furqan Ul Waqas 0334-4002686	Fouzia Mushtaq 0332-4707515	Masood Ahmad 0300-8042040	Zark Masih 0307-6728573	Khuram Shahzad 0300-4818485

PREVENTIVE HEALTH TEAMS No. 02

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Rehanwala	Hafiz Abdul Hameed 0300-8873188	Fouzia Mushtaq 0332-4707515	Shoukat Ali Shah 0333-4995580	Awais Gulzar 0302-9421821	Bashir Ahmad 0308-4323749

PREVENTIVE HEALTH TEAMS No. 03

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Joge Kot Nau Bahar	Imran Ali Ahmad 0300-8536187	Fouzia Mushtaq 0332-4707515	Pervez Iqbal 0300-9759499	Naeem Hussain 0345-6316665	Mohammad Usman 0303-4867931

FIXED CAMP RHC MORE KHUNDA No. 02 Timing:-08:00AM to 03:00PM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	More Khunda	Dr. Khalid Mehmood Akhtar SMO	RHC More Khunda	0300-4919854
2	Nankana	More Khunda	Zareena Kousar CN	RHC More Khunda	0345-6354668
3	Nankana	More Khunda	Neelam Ayub CN	RHC More Khunda	0331-7742366
4	Nankana	More Khunda	Aneela Ali LHV	RHC More Khunda	0303-4450387
5	Nankana	More Khunda	Mr. Mohammad Shafique Dispenser	RHC More Khunda	0333-4085193
6	Nankana	More Khunda	Abrar Hussain L.A	RHC Bucheki	0306-4422911
7	Nankana	More Khunda	Nasreen Anwar M/W	BHU Kot Fazal	0344-6652799
8	Nankana	More Khunda	Razia Bibi Ward Servant	RHC More Khunda	0341-7930260
9	Nankana	More Khunda	Mohammad Iqbal Ward Servant	RHC More Khunda	0331-4437273
10	Nankana	More Khunda	Mohammad Sharif W/M	BHU Morra	0306-4276101

FIXED CAMP RHC MORE KHUNDA No. 02 Timing:-03:00PM to 11:00PM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	More Khunda	Dr. Ali Shahbaz Naqvi Dental Surgeon	RHC More Khunda	0321-4732725
2	Nankana	More Khunda	Asma CN	RHC More Khunda	0344-6611471
3	Nankana	More Khunda	Nagina Younas CN	RHC More Khunda	0300-4841708
4	Nankana	More Khunda	M. Saleem Sajjad Dispenser	RHC More Khunda	0301-4549520
5	Nankana	More Khunda	Mohammad Qasim Dispenser	BHU Doday	0324-6260118
6	Nankana	More Khunda	Balqees Bibi Dai	RHC More Khunda	0300-8301349

7	Nankana	More Khunda	Faisal Munir T/O	RHC More Khunda	0301-8333036
8	Nankana	More Khunda	Abdul Ghafoor S/W	RHC More Khunda	-
9	Nankana	More Khunda	Ghulam Sakina W/M	RHC More Khunda	-
10	Nankana	More Khunda	Saidan Bibi Dai	RHC More Khunda	-

FIXED CAMP RHC MORE KHUNDA No. 02 Timing:-11:00PM to 08:00AM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	More Khunda	Dr. Fawad Ahmed Saeed	DHQ Hospital Nankana Sahib	0333-4893392
2	Nankana	More Khunda	Jamila Anwar CN	RHC More Khunda	0333-9787917
3	Nankana	More Khunda	Rizwana Akbar LHV	RHC More Khunda	0308-6298176
4	Nankana	More Khunda	Mohammad Wajid Dispenser	RHC Bucheki	0300-4300808
5	Nankana	More Khunda	Mehboob Ahmad DT	RHC More Khunda	0300-4390256
6	Nankana	More Khunda	Shahid Iqbal OTA	RHC More Khunda	0301-4522354
7	Nankana	More Khunda	Zaib Ul Nisa Midwife	RHC More Khunda	0332-4093041
8	Nankana	More Khunda	Mohammad Azam NQ	RHC More Khunda	0300-7865827
9	Nankana	More Khunda	Ashraf Masih Sanitary Worker	RHC More Khunda	0306-5295168
10	Nankana	More Khunda	Munir Ahmad Chowkidar	RHC More Khunda	0345-4778013

Fixed Team Kotoowala (Dera Rana Khalid) Morning Duty

Sr. #	Name of Officer/ Officials	Designation	Place of Posting	Mobile No.
1	Dr. Tafseel Ahmad	MO	RHC Rehanwala	0333-4580023
2	Farooq Ahmad	Dispenser	RHC More Khunda	0346-6302579
3	Shahida Parveen	LHV	RHC Bucheki	0303-4051099
4	Muhammad Aslam	NQ	BHU Doday	0344-4136295
Night Duty				
5	Haji Tariq Ali	Dispenser	BHU Jogay Kot	0300-4305533
6	Farzana Nosha Khan	Midwife	BHU Jogay Kot	0302-4929937
7	Mubashar Hussain Shah	W/M	Yaqoomia Hospital Mandi Faizabad	0333-4123879

Fixed Team Jeevan Pura (Band Jeevan Pura) Morning Duty

Sr. #	Name of Officer/ Officials	Designation	Place of Posting	Mobile No.
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1	Dr. Ali Shahbaz Naqvi	DS	RHC More Khunda	0321-4732725
2	Sajid Ali	Dispecser	BHU Kot Bini Das	0307-4323537
3	Farhat Bano	LHV	BHU Hafat Madar	0306-4763798
4	Imran Ali	NQ	BHU Hafat Madar	0343-6425766
Night Duty				
5	Manzoor Hussain	HT	BHU Chand Pur	0301-4347248
6	Asia Ashraf	LHV	BHU Chand Pur	0300-8349436
7	Niaz Ali	W/M	BHU Hafat Madar	0305-8794269

FIXED CENTRE BHU KOT BINI DAS No. 03

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1.	Dr. Javeria Shabbir	WMO	BHU Marrer Chak No. 42	0321-5367789
2.	Mdical Officer is not available.	-	-	-
3.	Safia Bano	LHV	BHU Mora	0333-4033703
4.	Sajid Mehmood	Dispenser	BHU Kot Bini Das.	0307-4323537
5.	Maqbool Ahmad	Dispenser	RHC Bucheki	0301-7266712
6.	Amtul Sabri	Midwife	BHU Chand Pur	0304-4043900
7.	Ashraf Hussain	Chowkidar	BHU Kot Bini Das.	0301-4496716
8.	Ishfaq Hussain	Sanitary Patrol	RHC More Khunda	0306-4746891
9.	Asghar Ali	Sanitary Worker	BHU Kot Bini Das	0304-9741013
10.	Bisharat Ali	NQ	DHQ Hospital NNS	0304-4430001

FIXED CENTRE BHU HAFT MADER No. 04

S#	NAME OF OFFICER/OFFICIAL	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1	Dr. Muhammad Yaqoob	SMO	RHC Syedwala	0306-7261366
2	Mdical Officer is not available.	-	-	-
3	Fatima Zaheer	LHV	BHU Haft Madder	0332-7258140
4	Asia Ashraf	LHV	BHU Chand Pur	0300-8349436
5	Manzoor Hussain	Health Technician	BHU Chand Pur	0301-4347248
6	Mohammad Usman	Dispenser	BHU Haft Mader	0300-7846252
7	Muhammad Bashir Dispenser	Dispenser	GRD Shah Bilawal	0346-4120071
8	Imran Ali	Naib Qasid	BHU Haft Mader	0343-6425766
9	Niaz Ali	Chowkidar	BHU Haft Mader	0305-8794269
10	Shabbir Masih	Sanitary Worker	BHU Haft Mader	0332-4692782

MOBILE TEAM No. 02

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1.	Dr. Ameer Hamza	MO	DHQ Hospital Nankana Sahib	0321-4020939
2.	Rashida Ashraf	LHV	BHU Thatha Ismail	0306-3323996
3.	Mohammad Afzal	Dispenser	RHC More Khunda	0306-4567481
4.	Mohammad Shahbaz	Driver	BHU Kot Bini Das	0333-9780649

Note: -The vehicle **No. GH-522** will be used in flood 2017 with mobile team.

PREVENTIVE HEALTH TEAMS No. 04

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Haft Mader	Mudassar Idrees 0333-4420110	Parveen Akhtar 0334-4208189	Masood Ahmad 0342-7043392	Zeeshan Ali 0307-4022491	Mian Khan 0301-4689323

PREVENTIVE HEALTH TEAMS No. 05

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Kot Bini Das	Usman Hyder 0333-9781610	Parveen Akhtar 0334-4208189	M. Saleem Manzoor 0300-8023518	M. Shahbaz 0301- 7262107	Fiaz Khan 0301-4642913 0331-6391851

PREVENTIVE HEALTH TEAMS No. 06

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
More Khunda	Rang Elahi 0300-4140709	Parveen Akhtar 0334- 4208189	Waqar Azeem 0334- 7913556	Fahid Munir 0302-4441683	Mohammad Ashraf 0306-4173645

FIXED CAMP RHC BARA GHAR No.3 Timing:-08:00AM to 03:00PM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	Bara Ghar	Dr. Abdul HameedVirk	RHC Bara Ghar	0300-6633271
2	Nankana	Bara Ghar	Shakeela Ghafoor CN	RHC Bara Ghar	0331-7288836
3	Nankana	Bara Ghar	Rana M. Shahid Dispenser	RHC Bara Ghar	0345-8533089
4	Nankana	Bara Ghar	Mohammad Shahzad DT	RHC Bara Ghar	0306-3334439
5	Nankana	Bara Ghar	M. Irfan Lab Assistant	RHC Bara Ghar	0343-5234441
6	Nankana	Bara Ghar	M. Ashraf X-Ray Tech	RHC Bara Ghar	0301-6854334
7	Nankana	Bara Ghar	M. Amin Ward Servant	RHC Bara Ghar	0300-4852279
8	Nankana	Bara Ghar	Syed Ali Hussain NQ	RHC Bara Ghar	0302-9162468
9	Nankana	Bara Ghar	Saleem Masih S/W	RHC Bara Ghar	0301-4473517

FIXED CAMP RHC BARA GHAR No.3 Timing:-03:00PM to 11:00PM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	Bara Ghar	Dr. Abdul Quddoos Virk MO	RHC Bara Ghar	0333-6686623
2	Nankana	Bara Ghar	Mah Jabin CN	RHC Bara Ghar	0308-4566916
3	Nankana	Bara Ghar	Samina Kousar LHV	BHU Youngsonabad	0346-4293427
4	Nankana	Bara Ghar	Abdullah Naseer HT	BHU Chak Haiderabad	0300-4282081
5	Nankana	Bara Ghar	Maqbool Hussain Dispenser	RHC Bucheki	0301-7266712
6	Nankana	Bara Ghar	Mohammad Bashir Dispenser	GRD Shah Bilawal	0304-4681924
7	Nankana	Bara Ghar	Maqbool Ahmad W/M	RHC Bara Ghar	0300-8803028
8	Nankana	Bara Ghar	Mohammad Aslam NQ	BHU Chak Hyderabad	0301-4264880
9	Nankana	Bara Ghar	Muhammad Ashiq S/W	RHC Bucheki	0342-4547347

FIXED CAMP RHC BARA GHAR No.3 Timing:-11:00PM to 08:00AM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	Bara Ghar	Dr. Azhar Amin	DHQ Hospital Nankana Sahib	0300-8022202
2	Nankana	Bara Ghar	Ferzana Saleem LHV	BHU Chak No.6	0346-1003998
3	Nankana	Bara Ghar	Sobia Ashraf LHV	RHC Bucheki	0304-4522107
4	Nankana	Bara Ghar	Haroon Rasheed Dispenser	RHC Bara Ghar	0302-9406301
5	Nankana	Bara Ghar	Bashir Ahmad Dispenser	GRD Shah Bilawal	0346-4120071
6	Nankana	Bara Ghar	Tahira Mobine LHV	RHC Syedwala	0302-4653049
7	Nankana	Bara Ghar	Bushra Munir	BHU Nathu Wala	0322-8704120
8	Nankana	Bara Ghar	Mohammad Aslam NQ	BHU Chak Hyderabad	0301-4264880
9	Nankana	Bara Ghar	Muhammad Akram S/W	GRD Shah Bilawal	0306-8769711

Fixed Team Saddique Abad

Morning Duty

Sr. #	Name of Officer/ Officials	Designation	Place of Posting	Mobile No.
1	Dr. Javed Iqbal	MO	BHu Khiray Kalan	0336-1452798
2	Sarfraz Ahmad	Dispenser	RD Shoukat Abad	0333-4597704
3	Kousar Parveen	Midwife	BHU Khiray Kalan	0344-6653016
4	Irshad Ahmad	Attar	Unani Dwa Khana Chaind Pur	0340-1054151

Night Duty

5	Abdul Rehman	Dispenser	BHU Machora	0307-4463128
6	Anila Ali	LHV	RHC More Khunda	0301-4196282
7	Muhammad Usman	W/M	BHU Kot Tahir	0305-4664449

Fixed Team Halla Syedan (GGPS Halla Syedan) Morning Duty

Sr. #	Name of Officer/ Officials	Designation	Place of Posting	Mobile No.
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1	Dr. Abdul Qudoos	MO	RHC Syedwala	0333-6686623
2	Allah Ditta	Dispenser	BHU Chak No.9/62	0305-4174087
3	Tahira Mobine	LHV	RHC Syedwala	0302-4653049
4	Nisar Ahmad	NQ	BHU Machorra	0307-6229952
Night Duty				
5	Luttuf Ullah Kamal	Dispenser	GRD Shah Bilawal	0306-3339986
6	Shakilla Ghafoor	C/N	RHC Bara Ghar	0331-7288836
7	Ghulam Mustafa	W/C	GRD Chah Jahana	0306-7260119

FIXED CENTRE BHU KOT TAHIR No. 05

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1.	Dr. Naveed Mazhar	MO	BHU Islam Nager	0333-6000794
2.	Mdical Officer is not available.	-	-	-
3.	Sobia Ashraf	LHV	RHC Bucheki	0304-4522107
4.	Sumera Rani	Midwife	RHC Bucheki	0301-4774410
5.	Hafeezan Bibi	T-Dai	BHU Mora	0307-4396748
6.	Rai Noshier Ali	Dispenser	BHU Thatha Bhattian	0301-4846402
7.	Haji Zafar Iqbal	Dispenser	BHU Kot Tahir	0306-4676791
8.	Mohammad Usman	Chowkidar	BHU Kot Tahir	0305-4664449
9.	Mohammad Shahbaz	Naib Qasid	RHC Syedwala	0300-4791756
10.	Mohammad Irshad	Attar	Unani Dwa Khana Chaind Pur	0347-4685351

FIXED CENTRE BHU MACHORA No. 06

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1	Dr. Muhammad Asad Aftab	MO	BHU Martinpur	
2	Akhtar Aziz	LHV	BHU Machora	0300-4619611
3	Madeha Tabbasum	LHV	BHU Lurka	0304-8216539
4	Khalid Mehmood	Health Technician	BHU 9/62	0306-7265650
5	Abdul Rehman	Dispenser	BHU Machora	0307-4463128
6	Ghulam Rasool	Dispenser	RHC Bucheki	0300-6672045
7	Nisar Ahmad	Naib Qasid	BHU Machora	0307-6229952
8	Shoukat Ali	Chowkidar	BHU Machora	0303-0446974
9	Mohammad Aslam	Naib Qasid	BHU Chak Haiderabad	0301-4264880
10	Mushtaq Ahmad	Sanitary Worker	BHU Chak Haiderabad	0301-4666988

MOBILE TEAM No. 03

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1	Dr. Arsalan Khalid	MO	Ashraf Yaqoomian Hospital Mandi Faizabad	0323-4467856
2	Mian Anjum Shakeel	Dispenser	BHU Kot Fazal	0300-8041372
3	Shahida Parveen	LHV	RHC Bucheki	0303-4051099
4	Tajammal Hussain	Driver	BHU Kot Tahir	0304-0673090

Note: -The vehicle **No. GJ-279** will be used in flood 2017 with mobile team.

PREVENTIVE HEALTH TEAMS No. 07

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Chaind Pur	Irfan Ahmad 0323-7685126	Rukhsana Yasmin 0331-4908335	Mohammad Ramzan Jonaijo 0308-4793100	Usman Ashraf 0300-4833405	Mohammad Bashir 0307-4077404

PREVENTIVE HEALTH TEAM No. 08

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Machora	Arfan Ashraf 0301-7798357	Rukhsana Yasmin 0331-4908335	Mohammad Iqbal 0301-4981206	Mohammad Anwaar 0346-7602506	Mohammad Amin 0343-7603879

PREVENTIVE HEALTH TEAMS No.09

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Chak Hydarabad	Adnan Shabbir 0302-9561662	Khalida Masood 0332-4094679	Mohammad Javed 0302-9313304	Ejaz Hussain 0301-3162627	Mirza Mohammad Hanif 0306-6405870

FIXED CAMP RHC SYEDWALA No.04 Timing:-08:00AM to 3:00PM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	Syedwala	Dr. Mohammad Yaqoob	RHC Syedwala	0306-7261366
2	Nankana	Syedwala	Nazia Parveen CN	RHC Syedwala	0306-4441008
3	Nankana	Syedwala	Basit AzizDispenser	RHC Syedwala	0343-4481910

4	Nankana	Syedwala	Munir Ahmad Dispenser	RHC Syedwala	0301-4606027
5	Nankana	Syedwala	Mumtaz Bibi Ward Servant	RHC Syedwala	0305-8790448
6	Nankana	Syedwala	Khuram Shahzad Sanitary Patrol	THQ Hospital Shahkot	0302-4170409
7	Nankana	Syedwala	Ijaz Ahmad Sanitary Patrol	RHC Syedwala	0300-5051990
8	Nankana	Syedwala	Riaz Ali Naib Qasid	BHU Thatha Bhattian	0302-4791331
9	Nankana	Syedwala	M. Akram Sanitary Worker	GRD Shah Bilawal	0306-8769711

FIXED CAMP RHC SYEDWALA No.04 Timing: 03:00PM to 11:00PM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	Syedwala	Dr. Muhammad Adeel Zaffar	RHC Bucheki	0332-4629595
2	Nankana	Syedwala	Rukhsana Kousar CN	RHC Syedwala	0300-9828325
3	Nankana	Syedwala	Ume Zaitoon CN	RHC Syedwala	0302-7957846
4	Nankana	Syedwala	Allah Rakha Dispenser	BHU Malika Haji	0302-2884245
5	Nankana	Syedwala	Sabir Ali Dispenser	BHU Chak Haydarabad	0345-7728744
6	Nankana	Syedwala	Shameem Naseer M/W	BHU Machora	0306-6343025
7	Nankana	Syedwala	Safdar Hussain W/M	RHC Syedwala	0306-7265391
8	Nankana	Syedwala	Mumtaz Bibi Ward Servant	RHC Syedwala	0305-8790448
9	Nankana	Syedwala	Hamza Sanitary Patrol	THQ Sangla Hill	0303-0249920
10	Nankana	Syedwala	Abdul Razaq W/C	RHC Syedwala	0301-7272810

FIXED CAMP RHC SYEDWALA No.04 Timing: 11:00PM to 08:00AM

Sr. #	Tehsil	Union Council	Name with Designation	Place of Posting	Cell #
1	Nankana	Syedwala	Dr. Muhammad Afzal	DHQ Hospital Nankana Sahib	0301-4196417
2	Nankana	Syedwala	Shagufta Naz CN	RHC Syedwala	
3	Nankana	Syedwala	Munir Ahmad Dispenser	RHC Syedwala	0306-4606027
4	Nankana	Syedwala	Tahir Nawaz Dispenser	RHC Syedwala	0343-7649040

5	Nankana	Syedwala	Hafiz Irfan Haider OTA	RHC Syedwala	0304-6006303
6	Nankana	Syedwala	Sharifan Bibi Dai	RHC Syedwala	0344-8664363
7	Nankana	Syedwala	Jamila Saddiq M/W	RHC Syedwala	0314-3097554
8	Nankana	Syedwala	Qamar Abbas WM	RHC Syedwala	0300-9852158
9	Nankana	Syedwala	Rehmat Ali Naib Qasid	RHC Syedwala	0301-5158092

(1) Fixed Team Fareedabad (GES Purana Fareedabad) Morning Duty

Sr. #	Name of Officer/ Officials	Designation	Place of Posting	Mobile No.
1	Dr. Adeel Zafar	DS	RHC Bucheki	0308-9248161
2	Itrat Abbas	Dispenser	BHu Chak Haiderabad	0300-6534349
3	Robina Kousar	LHV	BHU Malka Haji	0304-4394760
4	Mushtaq Ahmad	S/W	BHU Chak Haiderabad	0301-4666988
Night Duty				
5	Abdul Qudoos	Dispenser	RHC Syedwala	0300-7865604
6	Jamila Saddiq	Midwife	RHC Syedwala	0314-3097554
7	Zaheer Ahmad	S/W	BHU Malka Haji	0302-4474072

(2) Fixed Team Syedwala (GHS Purana Syedwala) Morning Duty

Sr. #	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NO.
1	Dr. Rizwan Mehmood	MO	RHC Bucheki	0305-4549123
2	Rai Noushair Ali	Dispenser	BHU Thatha Bhattian	0301-4846402
3	Sadia Younas	LHV	BHu Malika Haji	0347-7735979
4	Imdad Ali	S/W	RHC Syedwala	0331-7742018
Night Duty				
5	Muhammad Hanif Afzal	HT	BHU Machora	0300-4808221
6	Tahira Mobeen	LHV	RHC Syedwala	0302-4653049
7	Rehmat Ali	Naib Qasid	RHC Syedwala	0301-5158092

FIXED CENTRE BHU MALKA HAJI No.07

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1.	Dr. Rizwan hussain	MO	BHU Chak 45 Marer	0300-7286008
2.	Medical Officer is not available.	-	-	-
3.	Sadia Younas	LHV	BHU Malka Hajji	0347-7735979
4.	Memoona Khalid	Midwife	THQ Sangla Hill	0304-6673763
5.	Muhammad Ali	Health Technician	BHU Malka Hajji	0302-4571770
6.	M. Hanif Afzal	Health Technician	BHU Machora	0300-4808221
7.	Murad Ali	Naib Qasid	BHU Malka Hajji	0302-7538812
8.	Zaheer Ahmad	Sanitary Worker	BHU Malka Hajji	0302-4474072
9.	Mohammad Abdullah	Chowkidar	BHU Malka Haji	0306-7278153

FIXEDCENTRE BHU MEHR PUR No.08

SR#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1	Dr. Mohammad Ahmad Ali	MO (DDHO Sangla Hill)	BHU Pandorian	0300-6666575
2	No Medical Officer available	-	-	-
3	Iqra Shoukat	LHV	GRD Shah Bilawal	
4	Robina Kousar	LHV	BHU Malka Hajji	0304-4394760
5	Mohammad Nawaz	Dispenser	BHU Mehr Pur	0306-3320522
6	Irshad Ullah Hameed	Health Technician	BHU Mehr Pur	0307-7067221
7	Zanika Riaz	Midwife	BHU Mehar Pur	0347-4092492
8	Muhammad Yousaf	Naib Qasid	GRD Shah Bilawal	0304-7757173
9	Mian Khan	Sanitary Worker	BHU Mehr Pur	0302-5112152
10	Maqbool Ahmad	Chowkidar	RHC Bara Ghar	0300-8803028

FIXEDCENTRE RHC SYEDWALA No.09

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
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1	Dr. Ashfaq Ahmad	MO	BHU Panwan	0344-7264220
2	No Medical Officer is available	-	-	-
3	Nadia Younas	LHV	RHC Syedwala	0340-1430664
4	Zaib-ul-Nisa	LHV	BHu Lurka	0305-9336048
5	Rai Noushair Ali	Dispenser	BHU Thatha Bhattian	0301-4846402
6	Qasim Ali	Lab Assistant	RHC Syedwala	0300-8071770
7	Sajid Ali	Dental Tech	RHC Syedwala	
8	Mumtaz Bibi	Ward Servant	RHC Syedwala	0305-8790448
9	Imdad Ali	Sanitary Worker	RHC Syedwala	0331-7742018
10	Rehmat Ali	Naib Qasid	RHC Syedwala	0301-5158092

MOBILE TEAM No.04

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1.	Dr.Affan Munir	MO	BHU Chak No. 13 Randheer	0302-6822200
2.	Ali Imran Shah	Dresser	GRD Chah Jahanay Wala	0302-4212326
3.	Naseem Akhtar	LHV	BHU Kot Fazal	0302-9667347
4.	Altaf Zaheer	Driver	RHC Syedwala.	0301-7275903

Note: -The vehicle **No. GG-427** will be used in flood 2017 with mobile team.

PREVENTIVE HEALTH TEAMS No.10

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Syedwala	Asad Ali 0345-7695627	Firdous 0301-7275903	Fahim Walait 0336-6566871	M.Nawaz 0301-4702455	Riaz Ahmed 0302-4320216

PREVENTIVE HEALTH TEAMS No. 11

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Thatha Bhattian	Naeem Tariq 0300-4356676	Firdous Akhtar 0301-7275903	Asmatullah Bhatti 0346-7733176	Ali Ijaz 0300-4392120	Mohammad Aslam 0306-7141243

PREVENTIVE HEALTH TEAMS No.12

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Malka	Mohammad	Rukhasana	Mohammad	Sajjad	Ali Raza 0300-4702012

Haji	Nawaz 0301-4486362	Yasmeen 0331- 4908335	Amin 0307-4234378	Hussain 0300-6917413	
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PREVENTIVE HEALTH TEAMS No.13

Union Council	SH&NS & Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Meher Pur	Tariq Aslam 0332-6875781	Firdous 0301-7275903	Spurd Ali 0301-4954716	Muhammad Ameer 0320-8804767	Rizwan Ahmad 0302-6081407

FIXED CENTRE BHU KHIARAY KALAN No. 10

S#	NAME OF OFFICER/OFFICIALS	DESIGNATION	PLACE OF POSTING	MOBILE NUMBER
1.	Dr. Moneeb Aqleem	MO (DDHO NNS)	DHQ Hospital NNS	0336-996133
2.	Sundas	LHV	BHU Thatha Ismaiel Pur	0300-4875273
3.	Uzma Mushtaq	LHV	BHU Martin Pur	0341-7368871
4.	Kousar Parveen	Midwife	BHU Khiaray Kalan	0344-6653016
5.	Faisal Javed	Health Technician	BHU Khiaray Kalan	0313-6299127
6.	Kashif Ali	Dispenser	BHU Khiaray Kalan	0301-4002239
7.	Umair Ashraf	Naib Qasid	DHO (P.S) NNS	0303-0654641
8.	Rehmat Ai	Chowkidar	BHU Khiaray Kalan	0300-8045264
9.	Perveiz Masih	Sanitary Worker	BHU Khiaray Kalan	0301-4579523

PREVENTIVE HEALTH TEAMS NO. 14

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Mangtanwala	Farukh Sajjad 0324-6260734	Seerat Batool 0347- 6603963	Khalid Javed 0344-7280361	Sohail Qaiser 0306- 0470533	Munir Kokab 0303-4212112

PREVENTIVE HEALTH TEAMS No. 15

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Fatha Thatha	Javed Tahir 0300-8802831	Seerat Batool 0306-4501119	Mazhar Ul Islam 0301-4512579	Mohammad Nawaz 0300-8046285	Khuram Shahzad 0300-4818485

PREVENTIVE HEALTH TEAMS No. 16

Union Council	SH&NS& Mobile No	LHS & Mobile No	Sanitary Inspector Mobile No	Vaccinator Mobile No	CDC Supervisor Mobile No
Meeran Pur	Waqas Ghaffar 0300-4101578	Shazia Ashraf 0300-4913690	Imtaiz Zubair 0300-4424743	Bilal 0313-4764093	M. Hussain 0305-8471599

MAPPING OF LOCAL PARTNERS

(Please identify local NGOs and other local partners' e.g. local industry or trade union etc, and areas in which they can provide support. The committed support might be in the form of Human Resource, ambulance for relief activities only, medicines etc.)

Note: - No active and effective NGO is working in District Nankana Sahib.

Table 6 Details of Local Partners & their support

S. No.	Name of NGO/Partner	Contact Details & Address	Areas of Support
	/	/	/
	/	/	/
	/	/	/
	/	/	/

MANAGEMENT AND COORDINATION

The overall responsibility of management and coordination would lie with Health & Nutrition Coordination Committee under overall supervision of CEO(DHA) Nankana Sahib. The Coordination Committee will comprise of District Health Officer (Preventive), Deputy District Health Officers, PHS, DCNP, CDCO, DSV, DSI and representatives from UN Development partners with CEO (DHA Nankana Sahib as Chairperson. District Health Department will keep close liaison with DDMA for overall guidance and mobilization of additional resources.

The coordination team would meet on weekly basis before floods to review the preparations and take mitigation measures accordingly. The team will meet more frequently in case of heavy rains or flood situations as announced by the DDMA (District Disaster Management Authority).

The District Control Room (DCR) will start functioning w.e.f 1 July 2017 under the supervision of Dr. Shakeel Ahmad Shahid contact No. 0300-7203433, which will function round the clock till directions from the DGHS office. At least one official will be available in this cell with telephone facility 24/7. The duty roster of the DCR is given below:

Landline # of DCR →	056-9201057
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Name/Designation of official on duty (shift wise):→	Morning: Mr. Muhammad Usman Senior Clerk, Mr. Usman Islam, Junior Clerk
	Evening:Mr. Muhammad Afzal Senior Clerk, Mr. Ghulam Hussain Junior Clerk,
	Night:Mr. Sonil Danish Microscopist, Mr. Qaiser Iqbal Shah Store Keeper

Declaration of emergency by DDMA will act as trigger to mobilize all mobile and static teams to already designated stations. The supply chain will be maintained to replenish the medicines and consumables on regular basis. District Team will coordinate with Provincial Team in case additional help or resources are required.

Logistic Management

The district will ensure prepositioning of reserve stocks before start of monsoon. After wards the replenishment will be made on regular basis from district reserve stores, provincial MSD and Development partners. The replenishment will base on consumption reports from respective FixedCenters and Mobile Teams. In order to effectively manage the supply chain system, the logistic support system (LSS) will be made operational with the support of WHO. The list of essential medicines required in flood like situation is annexed. In addition the contents of EHK are also annexed.

Disease Surveillance and Epidemic Response

At the same time DEWS reporting will be immediately converted to Daily Mode to timely detect and respond to epidemic. The District Epidemic Response Team (ERT) will comprise of DoH, District Pathologist, Medical Specialist and Pediatrician. The DEWS reports will be submitted to Provincial Flood Cell, at the office of DGHS Punjab, Regional Epidemic Response Cells at Medical Colleges, Regional Hubs for flood relief if any established through preferably email or otherwise fax to ensure earliest dissemination of report. At the same time Rapid Assessment for damages will remain an on-going process under close supervision of District Health & Nutrition Coordination Team.

Table 7 District Emergency Response Team (ERT)

Designation	Name	Contact #
Chief Executive Officer (DHA) Nankana Sahib	Dr. Umer Farooq	0300-9683116
DHO (Preventive) Nankana Sahib	Dr. Shakeel Ahmad Shahid	0300-7203433
Medical Superintendent DHQ (H)	Dr. Adnan Hakim	0335-6254690
District Medical Specialist	Post Vacant	-
District Pediatrician	Dr. Azhar Naeem	0300-4154330, 0333-4152545

Logistics/Supplies Support from Partners

District Health & Nutrition Coordinating Cells will submit the requisitions of supply of logistics by UN development partners through a prescribed form to Provincial Cell established in DGHS Office.

Once the flood emergency is declared by PDMA, all INGOs/NGOs intending to work for relief in thematic areas of Health and Nutrition will be required to report to Chairman District H & N Coordination Committee official designated by him before instigation of work. The District Coordination Committee or Official designated will allocate area on the basis of needs and gaps. District Health and Nutrition Coordination Committee will keep updated maps of relief activities.

WORK PLAN

S. No.	Activity	Time Line	Responsibility	Action Taken
1	Notification of District Coordination Team	1 st June	CEO (DHA)	Will be Notified
2	Arrangement of Deficient Stocks of logistics/Supplies	15 th June	CEO (DHA)	Under process
3	Pre-positioning of Reserve Stocks at Designated Points/Health Facilities	20 th June	DHO(P)/DDHO	Will be Completed
4	Activation of District Control Room	1 st July	CDCO	Will be activated
5	Initiation of regular meetings of District Coordination Teams	First week of June	CEO (DHA)	Will be done
6	Activation of District ERT	1 st July	DHO (P)	Will be activated
7	Training of Staff on DEWS	3 rd week June	DHDC	Will be completed
8	DEWS Reporting on Weekly Basis	Immediate	CDCO	Yes
9	Switching over to Daily Reporting Mode for DEWS	On declaration of flood emergency	CDCO	Will be implemented
10	-----			
	Review of Preparations			

ARV & ASV and other emergency stuff according to burden of disease

Sr. No	Name of Centre	Vaccine Stock in hand
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		ASV	ARV
1	RHC Rehanwala	0 Vial (10ml)	05 Vial
2	RHC More Khunda	15 Vial (10ml)	12 Vial
3	RHC Bucheki	30 Vial (10ml)	02 Vial
4	RHC Bara Ghar	10 Vial (10ml)	10 Vial
5	RHC Syedwala	40 Vial (10ml)	15 Vial
6	DHO Office Nankana Sahib	20 Vial (10ml)	50 Vial
7	DHQ Hospital Nankana Sahib	30 Vial (10ml)	02 Vial
Total		Vial 145 (10ml)	96 Vial

Logistic Mechanism for Medicine & Supplies transport during the flood season

Vehicle No. LEG 1913 + NBG 1041

Allocated strategically Ambulances during the flood season 06

Sr.No	Name Of Health Facility	Ambulance No.	Name of Driver	Mobile No.
1	RHC Rehanwala	SAC 7903	Rizwan	0322-7910456
2	RHC More Khunda	SAC 9815	Ghulam Hussain	0300-7848858
3	RHC Bucheki	SAC 7490	Hussnain Abbas	0305-5362119
4	RHC Bara Ghar	SAC 7486	Muhammad Ashraf	0300-8128874
5	RHC Syedwala	SAC 7489	Ghulam Hussain	0301-5159261
6	RHC Warburton	SAC 9474	Abdul Razaq	0300-6643310

Name of BHUs & RHCs that are most vulnerable to flood

1. RHC Rehanwala
2. RHC More Khunda
3. RHC Bara Ghar
4. RHC Syedwala
5. BHU Mithran Pur
6. BHU Jogay Kot
7. BHU Hafat Madar
8. BHU Kot Binidas
9. BHU Kot Tahir
10. BHU Machora
11. BHU Malka Haji
12. BHU Mehar Pur

LOGISTICS

Item	Quantity Required	Stock In Hand	Gap
Emergency Health Kit (EHK) (1 EHK is sufficient for 6000 population for 1 month)	25	-	25

Polio vaccine	3000 Doses	9920 Doses	6920 Doses
Aqua Tab	50000	-	50000
H1N1 Syp	300	-	300
H1N1 Cap	500	200	300
Measles vaccine	2000	4700	-
TT	2000	9723	-
Vit.A Capsules			
<i>Blue</i>	2000	700	1300
<i>Red</i>	5000	5000	-
Safe Delivery Kits	400	-	400
Plumpy Dose	150000	-	150000
High Energy Biscuits	150000 Pack	-	150000 Pack
Micronutrient Tabs	200000	-	200000
Sprinkles	25	-	25
Vector Control Stocks			
Insecticides			
<i>Deltamethrine</i>	1000Kg	75 Kg	925Kg
<i>Temiphos</i>	1000 Kg	25 Kg	975 Kg
<i>Fenithion</i>	1000 Kg	-	1000 Kg
District Government Nankana Sahib has assigned the duties of spray and oiling of Ponds to the TMAs, & DCO Nankana Sahib has issued necessary directions in this regard in a meeting.			
Equipment			
Ambulances	13	13	-
Personal Protection Equipment	50	05	45
Spray Pumps	51	51	-
Fogger Machines	15	15	-
<i>Hand Held</i>	15	15	-
<i>Vehicle Mounted</i>	0	0	-
Diagnostics			
Rapid Diagnostic Kits for Malaria	4000	2000	2000
Microscopy centers	09	09	-

EMERGENCY HEALTH KIT



Sr#	Items	Formulation	Qty/ MEHK kit	Packing Details (Box No.)	Stock in hand
1	Amoxicillin	Capsule or tablet, 500 mg (anhydrous) Strip/blister	500	1	500
2	Oral Rehydration salt (ORS)	Dry mixture (Low Osmolarity Formula) in sachet for 1 liter of solution	160	1	160
3	Adhesive Tape (Hypoallergenic)	Size 1"	12	1	12
4	Cotton Bandages	10cmx3m	12	1	12
5	Examination Gloves	Medium Size Box of (100's)	1	1	1
6	Ampicillin	Injection 500mg	50	2	50
7	Metronidazole	Tablet Film coated, 400 mg Strip/blister	400	2	400
8	Oxytocin	Inj, 5iu/ml, 1ml	10	2	10
9	Tranexamic Acid	Injection, 5% W/V, 5ml	10	2	10
10	Tranexamic Acid	Cap.250mg Strip/blister	100	2	100
11	Absorbant Cotton Wool	500 grams	10	3	10
12	Lidocaine	Topical 2% W/V, 15gms	10	3	10
13	Adhesive Tape (Hypoallergenic)	Size 1"	12	3	12
14	Cotton Bandages	10cmx3m	48	3	48
15	I.V.Cannula with port	No.20	5	3	5
16	I.V.Cannula with port	No.22	5	3	5
17	I.V.Cannula with port	No.18 G	5	3	5
18	I.V.Cannula	No.24	5	3	5
19	I.V.Sets	Unit	60	3	60
20	Syringes	5cc	50	3	50
21	Omeprazole	Capsule/Tablet 20mg Strip/blister	301	4	301
22	Chlorpheniramine maleate	Tablets 4mg Strip/blister	1,000	4	1000
23	Diclofenac Sodium	Injection 75mg/3ml	50	4	50
24	Diclofenac Sodium	Tablet, 50mg	300	4	300
25	Metformin Hydrochloride	Tablet, 500mg Strip/blister	100	4	100

26	Ciprofloxacin	Tablet coated, 250mg Strip/blister	300	5	300
27	PolymyxinB sulphate+Bacitracin Zinc	Skin ointment, Polymyxin B Sulphate 10,000iu + Bacitracin Zinc 500 Units in Petrolatum Base, 20 gms	100	5	100
28	Amoxicillin	Powder for oral suspension contain Amoxycillin Trihydrate, 125 mg/5ml, 90ml	200	8	200
29	Chlorpheniramine	Syrup, 2 mg/5ml , 120ml,66% W/V sugar Solution	240	12	240
30	Dextrose	Infusion 5% 500ml	20	13	20
31	Dextrose	Infusion 5% 1000ml	20	14	20
32	Ringer's Lactate	Injectable solution 500ml	20	15	20
33	Sodium chloride	Injectable soln. 0.9%isotonic 1000ml	20	16	20
34	Ibuprofen	Syrup, 100mg/5ml, 90ml,66% W/V sugar Solution	50	17	50
35	Paracetamol	Syrup, 120 mg/5ml, 60ml,66% W/V sugar Solution	300	18	300
36	Dimenhydrinate	Syrup, 12.5mg/4ml, 60ml,66% W/V sugar Solution	30	19	30
37	Metronidazole	Oral suspension, 200 mg (as Metronidazole benzoate)/5ml, 60ml	100	20	100
38	Salbutamol	Syrup, 2mg /5ml, 60ml,66% W/V sugar Solution	40	21*	40
39	Aluminium Hydroxide200mg+Magnesium Trisilicate 200mg+Simethicone 25mg	Tablet (Chewable) Aluminium Hydroxide200mg+Magnesium Trisilicate 200mg+Simethicone 25mg Strip/blister	2,000	1	0
40	Amoxicillin	Capsule or tablet, 250 mg (anhydrous) Strip/blister	1,000	1	0
41	Amoxicillin	Drops 125mg/1.25ml, 10ml	60	1	0
42	PolymyxinB+Bacitracin Zinc	Eye ointment,Polymyxin B Sulphate 10,000iu + Bacitracin Zinc 500 Units in Petrolatum Base, 6g	100	1	0
43	Ibuprofen	Tablets 400mg Strip/blister	500	1	0
44	Paracetamol	Drops, 80mg/0.8ml, 15ml	60	1	0
45	Ferrous sulphate (Exsiccated)+ Folic Acid	Tablet , Ferrous sulphate (Exsiccated) 150mg+ Folic Acid 0.5mg Strip/blister	1,000	1	0
46	Mebendazole	Tablet,100 mg Strip/blister	120	1	0
47	Zinc Sulphate	Oral Solution 0.5 mg/5ml, 60ml	45	1	0
48	Amikacin	Injection 250mg	50	2	0
49	Hydralazine Hcl	Tablets, 25mg, Blister/Strip	100	2	0
50	Clotrimazole (Single Tablet Pack)	Tablet, 0.5g with Applicator	50	2	0
51	Water For Injection	5ml Ampoule	100	2	0

52	Folic Acid	Tablet, 5mg Strip/blister	1,000	2	0
53	Methylergometrine H maleate	Injection 0.2mg/ml, 1ml Ampoule	10	2	0
54	Salbutamol	Respirator solution, for use in nebulizers, 0.5% W/V, 20ml	20	2	0
55	Salbutamol	Tablet 4mg Strip/blister	240	2	0
56	Povidone iodine	Solution 10% W/V, 450ml	3	3	0
57	Butter Fly Needle	21 G	5	3	0
58	Butter Fly Needle	25 G	5	3	0
59	Blood Lancets	Units	5	3	0
60	Examination Gloves	Medium Size Box of (100's)	2	3	0
61	Endotracheal Tube	Size 3.0	1	3	0
62	Endotracheal Tube	Size 3.5	1	3	0
63	Endotracheal Tube	Size 4.0	1	3	0
64	Endotracheal Tube	Size 4.5	1	3	0
65	Endotracheal Tube	Size 7.0	1	3	0
66	Endotracheal Tube	Size 7.5	5	3	0
67	Foleys Catheter	Size 12	1	3	0
68	Foleys Catheter	Size 14	3	3	0
69	Foleys Catheter	Size 16	7	3	0
70	Stomach Tube	Size 12	3	3	0
71	Stomach Tube	Size 14	2	3	0
72	Stomach Tube	Size 16	2	3	0
73	Stomach Tube	Size 18	2	3	0
74	Masks	Face Mask	5	3	0
75	Nasogastric Tubes/Feeding Tube	Size 6	7	3	0
76	Nasogastric Tubes/Feeding Tube	Size 8	9	3	0
77	Nasogastric Tubes/Feeding Tube	Size 10	2	3	0
78	Nasogastric Tubes/Feeding Tube	Size 12	1	3	0
79	Nasogastric Tubes/Feeding Tube	Size 16	1	3	0
80	Nasogastric Tubes/Feeding Tube	Size 18	1	3	0
81	Silk with Needle	Size 2, 75cm	5	3	0
82	Silk with Needle	Size 3, 75cm	5	3	0
83	Syringes	1cc	10	3	0
84	Volumetric Chamber (I.V Burret)	100ml	20	3	0
85	Nebulizer Kit	Unit	10	3	0
86	Enema	120ml	10	4	0
87	Chloroquine Phosphate	Tablet, 250mg Strip/blister	500	4	0
88	Ranitidine	Tablets Film coated, 150mg Strip/blister	280	4	0
89	Ranitidine	inj 50mg/ml	10	4	0

90	Atropine	Injection 1mg/1ml	10	4	0
91	Chloramphenicol	Drops Ear 0.5%; 10ml	10	4	0
92	Dexamethasone Sodium Phosphate	Inj.4mg/ml, 1ml	25	4	0
93	Mebendazole	Oral suspension 100mg/5ml	50	4	0
94	Hydrocortisone	Sterile Powder for injection , 100mg+1 Ampoule Water for Injection(2ml)	10	4	0
95	Dimenhydrinate	Tablet, 50mg Strip/blister	300	4	0
96	Prochlorperazine	Tablet, 5mg Strip/blister	60	4	0
97	Glibenclamide	Tablet, 5mg Strip/blister	120	4	0
98	Sodium dichloroisocyanurate Tab (Aquatab)	Tablet, 33mg Strip/blister	400	4	0
99	Doxycycline	Capsule or tablet 100 mg (as hydrochloride) Strip/blister	200	5	0
100	Erythromycin Stearate	Tablet Film coated, 250mg Strip/blister	600	5	0
101	Sulfamethoxazole + Trimethoprim*	Tablet, Sulfamethoxazole 400mg+80 mg Strip/blister	1,000	5	0
102	Atenolol	Tablet (scored), 50mg Strip/blister	100	5	0
103	Enalapril Maleate	Tablet, 5mg Strip/blister	20	5	0
104	Acetylsalicylic Acid	Tablet coated, 75mg	100	5	0
105	Clotrimazole	1%, Cream, 10gms	20	5	0
106	Miconazole	Oral Gel, 20mg/g, 20grms	20	5	0
107	Furosemide	Tablet, 40mg Strip/blister	100	5	0
108	Clean delivery kit	Cardboard Box (at least 500gm) (with kit contents printed/pasted on lid), as per sample	20	6	0
109	Chloroquine Phosphate	Syrup 50mg/5ml, 66% W/V sugar Solution	50	7	0
110	Erythromycin	200mg/5ml, granules for susp	288	9	0
111	Sulfamethoxazole + Trimethoprim*	Oral suspension Sulfamethoxazole 200mg+40mg/5ml, 50ml	70	10	0
112	Benzoyl benzoate	Lotion B.P 25% W/V, 60ml	300	11	0
113	Insulin (Human)	Inj. 100iu (regular)	5	22	0
114	Insulin (Human)	Inj. 100iu (70/30)	5	22	0
115	Insulin (Human)	Inj. 100iu (NPH)	5	22	0
116	Syringes	100 Units	10	22	0
117	Surgical Gauze (32 pieces)	40M Thaan, 1mx40m	5	23	0
118	Carbamazepine	Oral suspension 100mg/5ml	50	24	0
119	Amoxicillin	Drops 125mg/1.25ml, 10ml	240	25	0
120	Paracetamol	1000 mg oral tabs	1,503	23	0

BRIEF REPORT ON RESCUE 1122, NANKANA SAHIB

The Punjab Emergency Service (Rescue 1122) was established on 08th May, 2010 at district Nankana Sahib and it is providing exemplary services in the area of man induced or natural disasters with holistic professional approach round the clock.

During the tenure of last 08 years, the Punjab Emergency Service (Rescue 1122), Nankana Sahib has responded to more than **46803 emergencies** by maintaining the average response time of **6.7 Minutes**. Furthermore, **58804 victims** of the emergencies have been treated and hospitalized. Detail is as under;

EMERGENCY DETAIL

TOTAL PHONE CALLS RECEIVED	1008127
EMERGENCY CALLS RECEIVED	46803
<u>EMERGENCY DETAILS</u>	
R.T.A	18400
MEDICAL EMERGENCIES	19943
FIRE	1222
CRIME CALLS(VIOLENCE,BULLET INJURY, ETC)	2141
DROWNING CASE	156
BUILDING COLLAPSE	171
EXPLOSIONS/BOMB BLAST	08
MISCELLANEOUS EMERGENCIES	4762
<u>RESPONSE TIME</u>	
AVERAGE RESPONSE TIME	6.7
<u>VICTIMS DETAILS</u>	
TOTAL VICTIMS RESCUED & HOSPITALIZED	57675
FIRST AID AT SITE	10024
HOSPITALIZED	45369
FLOOD EVACUATED VICTIMS	2282

RESOURCES

1. DETAIL OF RESCUE STATIONS

DISTRICT/ TEHSIL	RESCUE STATIONS	STATUS
NANKANA SAHIB	Rescue 1122 Central Station Shahkot Road, Nankana Sahib	Functional
SHAHKOT	Rescue 1122 Station, Main G. T Road Near Lari Adda, Shahkot	Functional
SANGLA HILL	Rescue 1122 Station, Near Hill Park, Safdarabad Road, Sangla Hill	Under Process

2. HUMAN RESOURCES

- 2.1 Total No. of Rescuers = 192**
(Including CTWO's, Fire/Disaster Rescuers, Emergency Medical Technicians, Rescue Drivers, etc)
- 2.2 Community Emergency Response Teams (CERTs) = 24**
24 Nos. CERT's consists of 356 trained volunteers.
- 2.3 Registered Rescue Mohafiz = 3123**

3. NO. OF EMERGENCY VEHICLES

SR#	VEHICLE	QTY
01	Ambulances	15
02	Fire Vehicles	04
03	Rescue Vehicle	01

4. AVAILABLE FLOOD FIGHTING EQUIPMENTS

SR. #	FLOOD EQUIPMENTS	QTY
01	Inflatable boat	01
02	Boats	12
03	OBM Engines	12
04	Oars	36
05	Life Jackets	168
06	Life Bouys	0
07	Life Rings	129
08	Tents	11
09	Search Lights	05
10	Boat Carriage Trolley	02
11	SCUBA Set	02
12	Nylon Ropes	04
13	Life Line	03
14	Knife	06
15	Daries/Carpets	10

OFFICER'S CONTACT LIST OF THE PUNJAB EMERGENCY
SERVICE RESCUE 1122, NANKANA SAHIB

SR.	NAME	DESIGNATION	Office Ph:#	Cell. #
1	Muhammad Akram	D.E.O	056-9201075	0333-8641122
2	Muhammad Shahid	RSO, Nankana	056-9201077	0300-6609024
3	Imran Shahzad	RSO, Shahkot	056-3711121	0345-4044815
4	Muhammad Naveed	CRI	056-9201074	0345-7281122
5	Abdul Hameed	SC, Nankana	056-9201074	0333-4222549
6	Muhammad Nawaz	SC, Shahkot	056-3711121	0301-7261122
7	Muhammad Ahsan	TMI	056-9201077	0301-7034682
8	Anwar Ali	ACCOUNTANT		0300-7200316
9	Gulshad Ahmad	OCO/ PA TO DEO		0344-4011768

Help Line:

1122

Control Room:

056-9201074 / 0304-9270982

MANAGEMENT PLAN IN CASE OF FLOOD

In Nankana Sahib the flood emergency is likely to be caused due to heavy rainy season and flood in Ravi River and chance of any disaster at any time cannot be ruled out. As such strenuous efforts shall be made to mobilize all affected human and material resources in order to prevent the any type of calamity causing devastation in the District.

OBJECTIVES:-

- Make adequate arrangements for timely information of population in flooded areas and their evacuation from the river bed.
- Save life of human and livestock and properties of people in flood like temporary residence in relief camps, food and medicine for human and livestock.
- Provision of security.
- Minimize human misery and sufferings.
- Protect vital installations and equipments in the District.
- Evacuation, Rescue, Relief and rehabilitation of the affected persons and animals.
- To make suitable arrangements for compensation of their losses and safe return after flood.

1. BRIEF HISTORY OF PAST FLOOD EVENTS

In addition to the Irrigation network Sheikhupura Division UCC, is also responsible for the maintenance of River Training works along with right side of Ravi River. The Ravi River running parallel in the jurisdiction of this Division in about 140 KM length. Detail of Flood Embankments / Ravi Training works is given in chapter.

Flood protection works were constructed by the Irrigation Department. During the Exceptional High Floods of 1988 & 1992, the entire river regime was changed and main River creek meandered towards right. Resultantly, it eroded wide spread fertile land and damaged nearby villages. The inhabitants lost their houses and fertile lands. From the past flood behavior and experiences, following River Training and Protection works were constructed along right band of Ravi River in the jurisdiction of Sheikhupura Division UCC. Brief past flood history structure-wise is described below.

FLOOD PRONE AREAS

The site is located between Nawankot and Habuki bala including areas of Bashmula, Hurray, Ghanashpur, Thakarkay, Lalukay, Buchuki par, Qila koirka, Kotu sing, Touleki, Haftmadar, Jag Da Chack, Shah Chak, Chitti Jatri, Jatri, Maliwal, Wazirpur, Naroki, Chaindpur, Bheisan, Qila Bhambasing (Siddique Abad), Gharana, Thatha Barasing, Malka Haji, Sayed Wala, Sheikh Balawal, Shah Bilawal, Meerpur, Barra Ghar, Farid Abad, Sheikh Bilawal, chak Shamir, Lakshmandas, Ranera Khurd, Ranera Kalan, Madu Rehmany ki, Pindi Cheri, Kadlathi, Muhammad Wala, Kattay Phakni, Hebuki Bala and Zeren, Halla Sayedan, Halla Khichian, Halla Kharasan Sing, Awan Tali, Prinda Sharief, Roday, Kund Qasim Shah, Kund Reham Shah and Kot Tahir.

Areas are divided into:

- High alert areas
- Alert Area
- Green Zone

VICTIMS RESCUED IN FLOOD-2013 BY THE PUNJAB EMERGENCY SERVICE (RESCUE 1122), NANKANA SAHIB

**VICTIMS RESCUED IN FLOOD-2014 BY THE PUNJAB EMERGENCY
SERVICE (RESCUE 1122), NANKANA SAHIB**

Flood Areas	No. Of Rescuers	Evacuated Victims	Ambulance	Boats
Jag Da Chak	07	386	00	01
Harray	06	214	00	01
Haft Madar	06	266	00	01
Jattan Da Warra	06	365	00	01
Hallah Khichian	08	294	00	01

Flood Area	No. Of Rescuers	Evacuated Victims	Ambulance	Boats
Jag Da Chak	06	200	01	01
Harray	06	177	01	01
Bacho Ke Paar	06	247	00	01
Farid Abad	06	92	00	01
Hallah Sayedan	06	41	00	01

2. DETAILS OF BUNDS AND SPURS ON THE RIVER RAVI IN THE DISTRICT NANKANA SAHIB:

1. J-Head spur at Nawan Kot near Mandi Faizabad Tehsil & Nankana Sahib.
2. Madho Dass Bund RD: 0-51180 Tehsil & District Nankana Sahib.
3. Mole Head Spur RD: 20 of Madhodass Bund Tehsil & Nankana Sahib.
4. Protection from erosion of River Ravi opposite RD: 121000 of Syedwala Disty Tehsil & Nankana Sahib.
5. Faridabad Spur near village Faridabad Tehsil & Nankana Sahib.
6. J-Head spur at Kund Qasim & concavo convex Guide wall spur Kund Rahim Shah (Tehsil Nankana).
7. J-Head spur at old Syedwala Town (Tehsil Nankana).
8. J-Head spur opposite Syedwala Town (Tehsil Nankana).

The whole area is falling Nankana Sahib District along River Ravi from Sharqpur to Syedwala town which comes under the direct action of floods.

3. PRE-FLOOD BUND INSPECTION BY IRRIGATION DEPARTMENT

All bunds are required to be inspected during the month from mid May to June, 2018 so as to identity weak points and if necessary after repairing such sites, the Certificate regarding hydraulic fitness of bunds is to be submitted.

The bunds shall be inspected as Committee constituted by the Secretary Irrigation in May every year, in addition to Inspection of all the bunds and spurs by the team from the Army. Fitness of bunds is ensured before the flood season; keeping in view the priorities are fixed according to resources.

4. DESIGN DATA & PREVIOUS FLOOD PEAK DISCHARGES FLOOD LIMITS RIVER RAVI.

FLOOD LIMITS

Ravi River enters into Pakistan territory near Kot Naina District Narowal. There are 5 important hydraulic structures it reach from Kot Naina to Sidhnai barrage. The flood limits at different flow conditions from low flood to exceptional high flood is detail below at different structures.

SR NO	CATEGORY OF FLOOD	JASSAR OLD BRIDGE (IN SC)	RAVI SYPHON AT BRBD LINK (IN SC)	SHAHDARA RAILWAY BRIDGE (IN SC)	BAILOKI HEAD WORKS (IN SC)	SIDHNAI BARRAGE (IN SC)
1	Low Flood	Up to 50000	Up to 40000	Up to 40000	Up to 40000	Up To 40000
2	Medium Flood	50000 to 75000	40000 to 65000	40000 to 65000	40000 to 65000	40000 to 65000
3	High Flood	75000 To 100000	65000 To 90000	65000 To 90000	65000 To 90000	65000 To 90000
4	Very High Flood	100000 To 150000	90000 To 135000	90000 To 135000	90000 To 135000	90000 To 135000
5	Exceptionally High Flood	200000 & above	180000 & above	180000 & above	180000 & above	180000 & above
6	Critical Gauge R.L		722.00	698.50	644.50	478.00
7	Zero R.L of gauge	775.5	688.0	676.30	616.00	437.00
8	Designed capacity	275000	400000	250000	225000	175000

TIME LAG STATEMENT OF RIVER RAVI

Sr. No	POINTS	DISTANCE IN MILES	TIME LAG IN HOURS
1	MADHUPUR TO JASSAR	96	8
2	JASSAR TO RAVI SYPHON	73	18
3	RAVI SYPHON TO SHAHDARA BRIDGE	24	8
4	SHAHDARA TO BALLOKI HEAD WORKS	63	24
5	BALOKI HEAD WORKS TO SIDHNAI HEAD WORKS	198	78

HIGHEST FLOODS

SR. NO	YEAR	DISCHARGE IN CS	
		SHAHDARA BRIDGE	BALLOKE HEAD WORKS
1	21-09-1950	193000	243000
2	06-10-1955	527315	580324
3	11-08-1973	237380	291000
4	27-09-1988	326100	389000

PAST FIVE YEARS FLOOD DATA RAVI RIVER

Maximum Recorded	Jassar	Ravi Syphon	Shahdara Railway Bridge	Balloki Head Works	Sidhnai Barrage
2012	27700	39800	28540	61764	28627
2013	64700	70060	74880	105455	87704
2014	63700	84250	65370	131800	79693
2015	62652	36019	33895	70650	44370
2016	36364	38575	38433	52340	-----

5. TELEPHONE NUMBERS OF FLOOD CONCERN OFFICERS

Sr. #	NAME OF OFFICER/OFFICE	OFFICE	RESIDENCE/ Cell No
1	Secretary Irrigation Department	042-99200954	-----
2	Director/Secretary Flood Commission, Lahore	042-36653943	-----
3	Chief Engineer Irrigation Lahore Zone	042-35182339	-----
4	Executive Engineer, Sheikhpura Division, UCC	056-9200253	056-9200252
5	Chief Engineer, D & F Zone, Lahore	042-99230602 Fax-042-5862081	-----
6	Flood Warning Center, Irrigation Department, Sheikhpura	056-9200252	-----
7	Flood Warning Center, Lahore	042-7572091	-----
8	Deputy Commissioner Nankana Sahib	056-9201010-1	056-9201014-5 0304-0920059
9	Wireless Control, Nankana Sahib	056-2877114	15 (Help Line)
10	District Police Officer, Nankana Sahib	056-2877104	056-2876887 0340-4300010
11	Additional Deputy Commissioner (General). Nankana Sahib	056-9201027	0336-1484849
12	Additional Deputy Commissioner (Revenue). Nankana Sahib	056-9201080	0322-6302759
13	Assistant Commissioner Nankana Sahib	056-9201050	0336-1484849
14	Assistant Commissioner Tehsil, Shahkot	056-3711251	0332-5280529
15	Assistant Commissioner Tehsil, Sangla Hill	056-3701279	0321-8829215
16	Deputy Director Extension (Agriculture), Nankana Sahib	056-9201134	0301-7270091
17	D.E.O (Rescue 1122) Nankana Sahib	056-9201077	0333-8641122

Sr. No:	NAME OF OFFICER/OFFICE	OFFICE	RESIDENCE/ Cell No
18	D.O. Civil Defense, Nankana Sahib	056-2876940	0300-9470371
19	D.O (Information)	056-9201028	0334-4082111
20	D.O. Roads, Nankana Sahib	056-2877022	0300-8023900
21	X.E.N Buildings, Nankana Sahib	056-9201031	0300-8023900
22	Assistant Director (Live Stock)	056-9201007	0333-6546392
23	Executive Chief Officer (DHA), Health Department Nankana Sahib	056-9201055-7	0342-4007747
24	Medical Superintendent, DHQ Nankana Sahib	056-9201051	0300-8022202
25	Executive Engineer, Wapda Nankana Sahib	056-9201093	0320-0521610
26	Chief Officer Municipal Committee, Nankana Sahib	056-2876736	0300-9435833
27	Chief Officer Municipal Committee, Tehsil, Shahkot	056-3711912	0345-4559984
28	Chief Officer Municipal Committee, Tehsil Sangla Hill	056-3700307	0303-6961595
29	Flood Warning Centre, Irrigation Deptt, Shekhupura	056-9200252	-----
30	Sub Divisional Officer, Mangtanwala Sub Division, UCC	-----	0346-4062542
31	D.S.P Circle Nankana	056-2874887	0332-4543336
32	DSP Circle Mangatan Wala/Syed Wala/Bara Ghar/Manid Faizabad	056-2827462	0300-86899905
33	Thana Sayed Wala (S.H.O)	056-2722008	0300-7053800
34	Chief Executive Officer, (Edu.)	056-9201029	0300-8683195
35	D.D Colleges	056-9201044	0300-7216500
36	Principal of Govt. Boys Degree College, Nankana Sahib	056-9201043	0300-4689894
37	PTCL Exchange (SDO)	056-2874349	0333-4764882
38	Incharge NTC	-----	0300-4408950

6. NEED FOR FLOOD FORECASTING

These are issued for different areas mostly by the Central water Commission/ Meteorological department and by the State Irrigation Department. Warning of the approaching floods provides sufficient time for the authorities:

- i) To evacuate the affected people to the safer places,
- ii) To make an intense patrolling of the flood protection works such as embankments so as to save them from breaches, failures, etc.
- iii) To regulate the floods through the barrages and reservoirs, so that the safety of these structures can be taken care of against the higher return period floods.
- iv) To operate the multi-purpose reservoirs in such a way that an encroachment into the power and water conservation storage can be made to control the incoming flood.
- v) To operate the city drains (out falling into the river) to prevent bank flow and flooding of the areas drained by them.

THESE WARNINGS INCLUDE:

- i) Whether the river is rising above a certain specified level, known as danger level or not;
- ii) Whether the river is rising or falling;
- iii) Whether the stage of the river is 'low', 'medium' or 'high'.

The above warnings, issued by telegrams, telephone or wireless systems are of purely qualitative in nature and they give only an indication of the nature of the flood.

7. COMMUNITY-LEVEL ACTIVITIES

Preparedness for floods and minimizing negative flood impacts In order to take measures towards preparedness, people need to understand that a flood is imminent.

(A) EMERGENCY INSTALLATION OF HAND PUMPS

In emergency, hand pump tube-wells are often installed in camps/shelters for community use. Efforts must be made to avoid contamination of the ground water aquifer by the pathogen loaded floodwaters while drilling for the tube-well.

- Select a higher non-flooded ground for the installation of the tube-well.
- Install at the upstream side of the latrine.
- Maintain at least 15 meter distance from latrines.
- Do not allow pool of contaminated water around the tube-well.
- Tie the hand pump tightly with a suitable support such as a bamboo or wooden pole to avoid shaking/movement while in use. If the aquifer is contaminated during pump installation, the well must be disinfected.

8. MAINTENANCE OF HEALTH CARE FACILITIES

- Organize routine health care checkups for all inmates of the shelters/camps.
- Maintain a separate room for treating the sick.
- Keep first aid material ready.
- Monitor well-being of those who have not relocated themselves in flood shelters. If necessary, assist their flood coping with consumable/non-consumable items.
- Maintain records of successes and failures regarding the operation of flood shelters for future reference.
- Maintain traffic on the highways if those are used as temporary flood shelters.
- Build safe sanitary latrines (pit latrines on stilt) along highways that are being used as flood shelters.
- Keeping in view the danger of flood and previous experiences, following steps will be taken for the evacuation of peoples living in low lying areas of river Ravi.

9. EVACUATION PLAN

Following Measures will be taken for Evacuation:-

- A close liaison with each control Viz-a-viz Irrigation, Police, Rescue (1122) and District Govt. will ensure timely information of food situation.
- Each relief camp will be supervised by independent Revenue Officer / Sector Incharge. Pre-flood warning will be conveyed through the help of revenue officials for timely evacuation of population. Linkage with mobile connectivity will be ensured by all the concerned.
- Police and other agencies will also participate in water rescue operation of peoples of affected areas.
- Special water Rescue team of Rescue (1122) with volunteers will respond at the spot for Relief and water Rescue operation.
- Alternate site and Tents will be provided to the people by the District Government on the recommendation of sector Incharge.
- Irrigation Department will provide maximum wireless sets to the DC/ ADC (General/Revenue) for administrative arrangements.
- The people who do not want to move, action will be taken through police for their forcible evacuation to save their lives and properties.
- District Government T.M.A would provide succor Machines and Peter Engines for D-Watering purpose.
- Buildings and play grounds of education department will use as relief camps especially in flood affected areas. Moreover, scouts and volunteers trained from Emergency Service Rescue (1122) and civil defense will also reach at the incident place.

DIVISION OF TEHSIL NANKANA IN TO SECTORS

- (i) Sector Headquarters Nankana Sahib
- (ii) Sector Rehanwala
- (iii) Sector More Khunda
- (iv) Sector Syed Wala

10. RELIEF CAMPS

- a) Tehsil Office Nankana Sahib.

- b) Khizerabad(Primary School Khoke Khai)
- c) U.C. Office Rehanwala
- d) Haft Madar
- e) UC Office More Khunda
- f) UC Office Syedwala
- g) Comprehensive High School Opp.Ps Bara Ghar

11. SECTOR, RELIEF CAMPS AND DUTY STAFF

a) ESTABLISHMENT OF RELIEF CAMPS:

Relief camps will be established by the district Administration to get very much aims; an incharge of each camp will be nominated to monitor the situation /condition of his camp area.

b) SUB SECTOR INCHARGE:

He will be the over-all incharge of the camps will report the absent officials of other departments will be attached with camps will convey the deficiency of medicines and live stock direct to Sector Deputy Commissioner, Nankana Sahib. Phone No. 056-9201010-11

12. WATCHING ARRANGEMENTS:

During rainy/ monsoon season, the organization of Sheikhpura Division UCC has to be very vigilant throughout the monsoon season. Staff of the Division will be set on alert during day and night from 15th September. Consequently flood/ watching camps will be established at vulnerable points.

ARRANGEMENTS AT SENSITIVE SITES:

- I. The normal strength for watching at sensitive sites along flood protection and River training works will be doubled during high flood/exceptionally high flood.
- II. The establishment can be increased after consultation with Executive Engineer, Sheikhpura Division USS/Superintending Engineer, Upper Chenab Canal Circle, Lahore in emergency & in accordance with site requirements.

The same establishment will be responsible for maintenance of flood bunds and Spurs Shank etc during 2018. It will arrange minor repairs to bank top, side slopes, removal of Sarkanda etc on shanks and on pitched part of spurs. Establishment will also be responsible for filling gharas/rain cuts ets as occurred due to rains during the monsoon season.

a) SOUNDING AND PROBING

In case of any situation on Flood protection and River training works, sounding and probing arrangements will made.

b) RATION ARRANGEMENTS:

The area along right side of Ravi River from head of Deg Diversion channel to D/S Maddo village falls in two District, Sheikhpura and Nankana Sahib. In case of high flood in Ravi River a separate evacuation plan have been prepared by the concerned Distract Administration and Food department shall mobilize their sources for supplying food for Human and cattle population.

c) LAW & ORDER

Law & order situation will be tackled by the Civil Administration with the help of Police Department.

d) Medical Arrangements for Labour

Health Department should be responsible for mobilization their sources for carrying out necessary operation for providing medical facilities to the labour.

13. MONITORING PROVISION OF RELIEF CAMP

- a. He Additional Deputy Commissioner (General), concerned will ensure that unscrupulous elements do not escalate the prices of essential commodities on the pretext of flood. The Additional Deputy Commissioner (General) will carry out regular stock checking of the available essential commodities in their Sub-Division.

- b. The official's of Social Welfare Department, NGOs Notables and Social Workers will be associated with the collection of donations for flood victims on voluntary basis.
- c. The District Police Officer Nankana Sahib will deploy sufficient force at Relief Camps and protection bunds to ensure that no theft is taken place.
- d. The services of the Food Department/ Forest Department and Information Department will be appropriately utilized in connection with proper and continued supply of all articles and sources to the Relief Camps.
- e. The record of Government Offices located in-the danger zone will be shifted to the safer places immediately.
- f. Daily statement will be prepared and submitted to Additional Deputy Commissioner (General) by the Sector Incharge about the loss of the property and acreage.
- g. The valuable belonging deposited in the branches of Commercial Banks located in the dangerous zones will be shifted to Nankana Sahib under proper escort, provided by the District Police Officer Nankana Sahib.
- h. The Managers of all vital installation and industries located in the danger zones will be warned in advance. They will be directed to take all necessary steps to protect the valuable from the onslaught of flood.
- i. The Sub Sector Officer will ensure that hand pumps have been installed near all Relief Camps in their Sub Sectors. That proper record of all facilities will be provided to the Relief Camps to be maintained for the purpose. A separate Register will be maintained for each Relief Camp.
- j. That local representative and local NGOs will be actively involved in the evacuation and relief operation.

ADDITIONAL HELP.

All NGOs and Social Welfare Organizations , Notable, Social workers will be actively associated with the establishment and running of the

Relief Camps, evacuation of the people, collection and distribution of the Relief Articles.

14. ROLE OF DIFFERENT DEPARTMENTS.

A) Role of Revenue Department.

The Revenue Department will be responsible for all arrangements to be made in case of flood threat. All other Departments will be engaged in Flood operation as and, when to be called by the Revenue Department after necessary approval of the competent authority.

B) ESTABLISHMENT OF TASK FORCE.

A task force will be ordered to be supervised by the concerned Revenue officer which will be comprising on the following.

- Patwari Halqa.
- Secretary Union Council.
- Numberdar Halqa.

A Task Force will be ordered consisting of representatives of following Departments. However the Departments will coordinate with the District Administration as 'per their function.

A) WAPDA.

Will make ensure that the supply of electricity in the flood area is regular moreover WAPDA will also make arrangements for security of its assets situated in the flood area. It will ensure that there is no threat to Human and Cattle life due to any fault in the Electric Lines in the flood affected area. It will depute its staff to meet any emergency, during flood.

a) PUNJAB EMERGENCY SERVICE (RESCUE 1122)

Punjab Emergency Service (Rescue 1122) will respond after confirmation of flood on the direction of District Government:-

- 30 numbers of rescuers will respond to the emergency spot with following emergency Rescue Vehicles, equipment / tools:-
- 02 fully equipped ambulances Special water Rescue team of Rescue 1122) with volunteers will respond at the spot or Relief and water Rescue operation
- These rescuers will be equipped with Personal protective equipments (PPE), necessary Rescue Tools/equipments provided in emergency vehicles.
- They will provide first aid and shift the victims to the safe places. The will continue to work till all the victims of flood will have been shifted to the safe place.
- Rescue 1122 Nankana Sahib will coordinate with other districts Rescue 1122 stations for further resources, like Rescue Vehicle, Man Power, and Ambulances to provide the best services to flood victims.

B) TMA CONCERNED.

TMA's will survey the old and dangerous buildings and will take necessary steps for protection of people of such buildings. It will arrange also necessary flood relating equipments to be used in the flood area.

C) IRRIGATION.

All the Executive Engineers of Irrigation Department in District Nankana Sahib will personally supervise the protection bunds in their respective Irrigation Division.

D) High Ways.

It will provide machinery and Beldars.

E) CIVIL DEFENCE.

Civil Defence Officer will provide sufficient number of Razakars for flood operation.

F) BUILDINGS.

Building Department will get vacated the Government Buildings situated in the flood area and will also arrange alternate facilities of buildings at safer places.

G) HEALTH DEPARTMENT:

The Health Department will chalk out a duty plan and ensure the presence of its staff deputed at each Flood Sector / Relief Camp. It will be ensured by the Department that the medicines are available in sufficient quantity to meet the flood emergency, particularly the availability of vaccine required for the snake bite / dog bite cases. The District Officer (Health), Nankana Sahib will collect the information from each sector regarding the treatment / diseases and communicate it to the District Control Room on daily basis,

H) AGRICULTURE:

Agriculture Department will supply Seeds, fertilizers and agricultural Instruments in flood affected areas to the severing farmers according to the prescribed policy. The Department will conduct a survey to assess the damages to standing. Crops caused by the flood. It will also be responsible for arranging fodder for the affected animals during flood.

I) FOOD DEPARTMENT.

District Food Controller, Nankana Sahib as representative of Food Department will be responsible for supplying the Atta, Sugar, Vegetable, Ghee etc in each of the affected village, according to the standing instructions. He will remain in contact with the District Flood Coordinator during flood days.

J) LIVE STOCK.

The Department will prepare a Sector - Wise plan, and will be responsible to provide Medicine / Vaccines to the animals in the flood affected villages. The Assistant Director (Live Stock) Nankana Sahib will supervise the task and will submit a daily report.

K) TELECOMMUNICATION DEPARTMENT.

The Department will be responsible for early restoration of the disrupted connections in the flood affected areas.

L) POLICE DEPARTMENT.

In order to control the Law & Order, especially in flood days, Police posts will be established in flooded area. Police Mobile teams will extend touring in the flood areas. It will also provide machinery and manpower to be used in the flood areas.

15. REHABILITATION PLAN

RETURNING TO NORMAL LIFE

Community approach to mend partially damaged houses, often by means of offering free labor, is very common. Well-to-do people sometimes employ poor neighbors in restoration activities, thereby offering temporary employment. Sometimes access to credit is deliberately increased and offered to the poor, but often at a very high interest rate.

A COMMUNITY CAN HELP RESTORATION OF

- (a) Houses,
- (b) Sanitation facilities in each household,
- (c) Water supply facilities at community levels,
- (d) Commuter roads /bridges/culverts/electric connections,
- (e) Educational activities, and
- (f) Health care facilities.

RETURNING HOME

- a) Return home, if taken refuge in flood shelter.
- b) Bring back family members taking refuge elsewhere.
- c) Bring back livestock and poultry, as necessary.
- d) At community level, help transfer of temporary refugees to their respective houses.

RESTORATION OF HEALTH CARE, HYGIENE, AND SANITATION

- a) At household level, monitor health condition of the family members and perform periodic health care check-ups.
- b) Restore tube-well as needed.
- c) Restore sanitary latrine, as needed.
- d) At community level, help improve the environmental condition the households.

REPAIR AND MAINTENANCE OF DWELLINGS, COMMUNITY INFRASTRUCTURE ETC.

- a) Mend the houses where necessary.
- b) Mend earthen cooking stove as needed.
- c) Reconstruct household storage facilities for
 - (i) Food items
 - (ii) Fodder for livestock,
 - (iii) Cooking fuel etc.
 - (iv) Reconstruct/mend partially or fully destroyed sanitary latrines.
 - (v) Help neighbors to mend their houses, household storage facilities and sanitary latrines, if assistance is sought.
 - (vi) At community level, clean up the abandoned flood shelter and make it usable for its main purposes.

RESTORATION OF MEANS OF COMMUNICATION

- a) At community level, repair breached embankments, if any, and reestablishes a sense of security as soon as possible.
- b) Mend and/or reconstruct religious centers in a participatory fashion and restore religious activities as early as possible.

HOUSEHOLD-LEVEL LOSS ESTIMATION CHART

General Questions:

Name of the household head:

Number of people living:malefemale

Children below 12 Children below 5
infant/neonatal.....male/female above 65.....

Area under the household:acres decimals.....

Number of population affected:..... slightly
partially fully.....

Number of deaths during flood:

Cause (please narrate)

Could the corpse be buried? Yes/No. If yes, where?.....

Number of injured: Did anyone fall sick? Yes/No. If yes, for how many
days?.....days.

What was the name of the disease?
Cholera/Diarrhoea/Typhoid/.....(any other)

Could you provide treatment? Yes/No. If yes, how?.....
If no, why not?.....

What was your house made of? Roof: Tile/Cl sheet/biomass;.....
Side walls: Cl sheet/ wood/brick wall/other.....
Floor: Cemented/mud layer/wood/others.....

16. DISTRICT DISASTER MANAGEMENT AUTHORITY (DDMA)

- DDMA's are created under the NDM Act 2010 under Chapter IV Section 18 and the law defines their composition and also outlines their functions, duties and powers.
- District Disaster Management Authorities are the first line of defense and the implementing arm of the government policy and plans. Within the district there are three to four key players/departments that have to put up a joint and coordinated effort in order to fight with and handle any disaster under the leadership and coordination of the DCO. The office of the DCO fully supported by the DPO and line departments such as Health, Agriculture, Livestock, Civil Defence, Rescue 1122, TMC's and the Revenue Department from the main disaster management team within any given district. This plan is an effort to highlight their sets of responsibilities followed by the role of provincial departments.
- All district administrations had prepared a detailed contingency plan to face any disaster or hazard specially floods which until recently have become an annual affair for some districts.
- The district administration will divide the area as per district division with the Assistant Commissioner as in charge of his tehsil. All disaster related activities in a said tehsil will be coordinated through the concerned AC and the MC's.
- On receipt of a flood warning, immediate warning will be conveyed to all the concerned officers, immediate action will be taken in each sector/sub sector for evacuation of the population from risk prone areas to safer places or to Relief Camps. An Assistant commissioner will ensure that announcements are made through loudspeakers of the mosques utilizing the services of the Revenue department. Each Patwari will inform the Numbardar, Headmaster of the School, Imam Masjid and councilors to make announcements etc.
- The Tactical operations would be headed by the Additional Deputy Commissioner (General). The ADC (G) would be responsible for coordination and supervising the disaster control and relief measures in the district.
- Provincial Government has notified the following composition of DDMA's for whole of the province;

- I. District Coordination Officer (Chairperson)
- II. District Police Officer
- III. Additional District Collector
- IV. Two Elected representatives to be nominated by the Chair
- V. Representative of Pak Army
- VI. Two Representatives of NGOs/Civil Society to be nominated by the Chair
- VII. District Officer (Coordination)
- VIII. Executive District Officer(F&P)

POWERS AND FUNCTIONS OF DISTRICT DISASTER MANAGEMENT AUTHORITY UNDER NDM ACT, 2010

The district authority shall be as the district planning, coordinating and implementing body for disaster management and take all measures for the purposes fo disaster management in the district in accordance with the guidelines laid down by the National Authority and the Provincial Authority.

Without prejudice to the generality of the foregoing provisions, the District Authority may:

- a) Prepare a disaster management plan including district response plan for the district.
- b) Coordinate and monitor the implementation of the National Policy, Provincial Policy, National Plan, Provincial Plan and District Plan.
- c) Ensure that the areas in the district vulnerable to disasters are indentified and measures for the prevention of disasters and the mitigation of its effects are undertaken by the departments of the Government at the district level as well as by the local authorities.
- d) Ensure that the guidelines for prevention , mitigation , preparedness and response measures as laid down by the National Authority and the Provincial Authority are followed by all departments of the Government at the district level and the local authorities in the district.
- e) Give directions to different authorities at the district level and local authorities to take such other measures for the prevention or mitigation of disasters as may be necessary.
- f) Lay down guidelines for preparation of disaster management plans by the departments of the Government at the districts level and local authorities in the district.
- g) Monitor the implementation of disaster management plans prepared by the departments of the Government at the district level.

- h) Lay down guidelines to be followed by the departments of the Government at the district level
- i) Organize and coordinate specialized training programmes for different levels of officers, employees and voluntary rescue workers in the district.
- j) Facilitate community training and awareness programmes for prevention of disaster or mitigation with the support of local authorities, governmental and non-governmental organizations.
- k) Set up, maintain, review and upgrade the mechanism for early warnings and dissemination of proper information to public.
- l) Prepare, review and update district level response plan and guidelines.
- m) Coordinate with, and give guidelines to, local authorities in the district to ensure that pre-disaster and post-disaster management activities in the district are carried out promptly and effectively.
- n) Review development plans prepared by the departments of the Government at the district level, statutory authorities or local authorities with a view to make necessary provisions therein for prevention of disaster or mitigation.
- o) Identify buildings and places which could, in the event of disaster situation be used as relief centers or camps and make arrangements for water supply and sanitation in such buildings or places.
- p) Establish stockpiles of relief and rescue materials or ensure preparedness to make such materials available at a short notice
- q) Provide information to the Provincial Authority relating to different aspects of disaster management.

17. DISTRICT EMERGENCY BOARD (DEB)

The composition of the District Emergency Board shall be (As per notifications No. SOW-II(S&GAD) 15-17/2017 dated 21-04-2017 by the Section Officer (Welfare-II), Services and General Administration Department, Government of the Punjab.

1. Deputy Commissioner	Chairperson
2. District Police Officer	Member
3. DEO RESCUE 1122	Member/Secretary
4. Chief Executive Officer (DHA)	Member
5. Chief Executive Officer (DEA)	Member
6. Chief Officer Municipals Committee/Corporation	Member
7. Chief Officer, Zila Council	Member
8. Secretary, District Transport Authority	Member

FUNCTION OF DISTRICT EMERGENCY BOARD

DEB will reduce distress of flood vulnerable people by taking Collective actions in flood affected/vulnerable areas.

- a) The overall functions of the proposed DEB will include, but will not be limited to the following.
- b) To help community people relocate in flood shelters;
- c) To negotiate with authorities of government institutions having infrastructure/facilities in the neighborhood that may be transformed into temporary flood shelter(s);
- d) To make necessary arrangements [cleaning of the premises, construction of sanitary facilities, establishment of hand tube wells etc.] for making the facility useful as a temporary flood shelter;
- e) In case of unavailability of flood shelters, distribute tents to shelter seeking people as per demand; establish and maintain a camp on flood-free ground (or along an embankment);
- f) To keep records of community people who need various kinds of services while in camps/shelters;
- g) To arrange food, health care, medicine, water supply and safe sanitation for the shelter seeking people;
- h) To keep an eye on (a) safety, (b) health condition, (c) peace within the camps/shelters;
- i) To resolve conflicts, if any, within the camps/shelters;
- j) To assess needs of the community population (by household) and assess demand for various services on a regular basis;
- k) To raise funds (cash or in kind or both) in order to meet the demands of the flood refugees;
- l) To distribute relief goods and disburse relief funds as needed (adhering as much as possible to 'needs assessment report');
- m) To maintain ledger books on various items received and distributed;
- n) To arrange meetings frequently (at least one meeting an alternative days) on the operations of the camps/shelters for improved coordination and smooth functioning of the activities;

- o) To check whether a few marooned families still require assistance for relocation, supplies of food/water treatment tablets/fuel or any other services; and provide such services subject to availability of supplies;
- p) To help assess losses and damages suffered by each affected household in the community;
- q) To make arrangements, in cooperation/consultation with the Thana-level authorities, for providing institutional assistance to enhance quick recovery and rehabilitation following floods;
- r) To ensure that flood related information is timely disseminated to the community people (extensive use of hand-held megaphones; mikes that are used for calls for prayer etc.);
- s) To liaise with Thana-level officials, if needed even at higher levels, for the collection of updated information regarding flood forecasting and warning; and disseminate among the community people to take preemptive measures;
- t) To assess damage of common utilities/facilities/infrastructure (viz., extent of disruption of electric poles, erosion of roads, breach of embankments etc.);
- u) To prepare a participatory 'Plan of Action' (time-bound) for the flood affected community for quick recovery/rehabilitation and assess requirement of funds for undertaking such activities;
- v) To organize dialogue(s) with the authorities at higher tiers of the government, including the member of the national Parliament representing the community, and to discuss possible modalities to implement the 'Plan of Action';
- w) To liaise with appropriate government institutions for securing funds to undertake various other activities;
- x) To take necessary measures before flood, so that the next flood can be managed with enhanced capacity at the community level. In addition to these activities, the proposed DEB will rally community support, make people aware through continued education and advocacy, plan and coordinate flood management activities, and facilitate evacuation as and when necessary to save lives.

TELEPHONE DIRECTORY OF CONCERNED OFFICERS
REGARDING FLOOD, 2017

Sr. No.	Name	Designation	Office	Mobile No.
9	Malik Muhammad Tahir	Chairman District Council, Nankana Sahib	--	0300-8654816
10	Malik Abdul Waheed	Deputy Commissioner Nankana Sahib	056-9201010, 056-9201011	0304-0920059
11	Dr. Fahad Mumtaz	Additional Deputy Commissioner (R)	056-9201080	0322-6302759
12	Muhammad Tayeb Tahir	Additional Deputy Commissioner (G) (Additional Charge)	056-9201027	0336-1484849
13	Muhammad Tayeb Tahir	Assistant Commissioner, Nankana Sahib	056-9201009	0336-1484849
14	Muhammad Shafique	Assistant Commissioner Shahkot	056-3711251	0332-5280529
15	Mr. Sabar Hussain Shah	Assistant Commissioner Sangla Hill	056-3701279	0321-8829215
16	Syed Najaf Shah	Chief Officer District Council, Nankana Sahib.	--	0333-6286281
17	Anwar Ahmad	Chief Officer Municipal Committee Nankana Sahib	056-2876736	0300-5435833
18	T Naveed	Chief Officer Municipal Committee Shahkot	056-3711912	0345-4559984
19	Malik Allah Ditta	Chief Officer Municipal Committee Sangla Hill	056-3700307	0303-6961595
20	Muhammad Irshaad	CEO (Education)	056-9201030, 056-9201029	0300-8683195
21	Dr. Iftkhar Ahmed	CEO (Health)	056-9201057	0300-4123648
22	Qasim Iftkhar	Executive Engineer Building Division NNS	056-9201037	0300-9418687
23	Ch. Naeem Ahmad	Chairman Municipal Committee, Nankana Sahib	--	0300-9445817
24	Sheikh Jamil Ahmad Narag	Chairman Municipal Committee, Warburton	--	0300-4435035
25	Sheikh Rashid Mehmood Kazmi	Chairman Municipal Committee, Shahkot	--	0300-7975600
26	Hassan Shah Nawaz Malhi	Chairman Municipal Committee, Sangla Hill	--	0303-9836228
27	Dr. Shkeel Ahmad	DO (Health) NNS	056-9201059	0300-7203433
28	Dr. Azhar Ameen	MS DHQ Hospital	056-9201051	0300-8022202

29	Dr. Najma	DDO (Health) NNS	056-9201064	0300-4659474
30	Dr. Ashraf	DDO (Health) Shahkot	056-3712155	0300-4429194
31	Dr. Ghaffar	DDO (Health) Sangla Hill	-----	0300-7264322
32	Mr. Akram Panwar	District Emergency Officer Rescue 1122	056-9201075 056-9201077	0333-8641122
33	Mr. Adnan Ahmed	DO (IPW&M)	056-9201022	0304-1382101
34	Mr. Pawan Singh Arora	District Information Officer	056-9201028	0334-4082111
35	Mr. Naseer Ahmed Nasir	Finance & Planning Officer	056-9201024	0344-4107311
36	Mr. Tariq Dhillon	Deputy Director (Development)	056-92010t26	0300-6102165
37	Mian Nadeem	Dy. Director (Colleges)	056-9201044	
38	Ch. Shabbir Hussain	Deputy Director (Social Welfare)	056-2877046	0300-9411625 0345-6305563
39	Mr. Mubashar Rabbani	Civil Defence Officer	056-9239277, 056-2876940	0300-9470371
40	Mr. Abdul Qayoum	Assistant Director (Environment)	056-2877325	0333-4312974
41	Mr. Amir Shahzad Butt	District Sports Officer	056-9201021	0333-4711482
42	Mr. Muddasar Rizwan Khan	Assistant Director (Labour)	056-2877003, 056- 2877004	0300-4450677
43	Muhammad Yousaf	Assistant Director (Fisheries)	056-2875334	0301-7089899
44	Zafar Ullah (SI)	Security Branch in-charge	056-2875762	0300-4082362
45	DR, Haider Ali Khan	Assistant Director (Livestock)	056-9201007	0333-6546392
46	CH Sadique Ahmad	Deputy Director Extension (Agri)	056-2876103	0301-7270091
47	Mr. Shoaib Arif	SNA	056-9201049	0304-4763739
48	Miss Atiya Qamar	Secretary DRTA	056-9201023	0321-6028746
49	Mr. Ahmed Javed Chatha	Assistant Commissioner (HR/Coord)	056-2876117	0300-4600339, 0321-6028746
50	Mr. Muhammad Ashraf	DD (LG&CD)	056-9201008	0306-4587433
51	Arshad Mehmood	District Election Commission	--	0304-9270927
52	Javed iqbal Babar	DEO(MEE) Nankana Sahib	--	0301-8418339
53	Rana Ehtisham ul haq	DEO(SE)	--	0333-4531328
54	Rarhat Amin	DEO(FEE)	--	0333-4309910
55	Rana Muhammad Irshad	Dy. DEO(MEE) Nankana Sahib	--	0300-7455539
56	Najia Musarrat	Dy. DEO(FEE), Nankana Sahib	--	3007906353
57	Mrs. Humaria Bhatti	Dy. DEO(FEE), Nankana Sahib	--	0304-4541188
58	Rana Muhammad	Dy. DEO(MEE) Nankana	--	0300-4853013

	Ashraf	Sahib		
59	Inam Ullah Khan	Dy. DEO(MEE) Nankana Sahib	--	0333-4365411
60	Dr. Faiza Bilal	Dy. DEO(FEE), Nankana Sahib	--	0303-7801462
61	M. Qasim Iftikhar	X.E.N Buildings, Nankana Sahib	--	0300-8475310
62	M. Sarwar Muhghal	X.E.N, Wapda Nankana Sahib	--	0347-0011610
63	Ashan -ul-Haq	XEN Public Health Nankana Sahib	056-920456	0335-3350335
64	Jamdad Khan	XEN UCC Sheikhpura	056-9200253	0333-4784707
65	saleem Akthar	SDO,Irrigation mangtana Wala		0346-4062524
	Mirza Abdul Qayum	SDO, Dranage	--	0300-5420086
67	Dr. Shakeel Ahmad	DHO, Nankana Sahib	056-9201059	0300-7203433
68	DR. Azhar Amin	Medical Superintendent, Nankana Sahib	056-9201051	0300-8022202
69	Dr. M Asharaf	Medical Superintendent, THQ Shahkot	056-3710826	0300-4429194
70	Dr. Ahmad Ali	Medical Superintendent, THQ Sangla Hill	056-3500307	0300-6666575
71	Dr. Tafheem Haider	RHC, Warbarton	056-2795372	0334-7955761
72	Dr. Tafseel Ahmad	RHC, Rehan Wala	--	0303-0017572
73	Dr. Khalid Mehmood	RHC, More Khunda	056-2442016	0321-7278312
74	Dr. Rizwan Mehmood	RHC, Bucheki	056-2721560	0305-4549123
75	Dr. M. Yaqoob	RHC, Bara Ghar	056-2321071	0306-7261366
76	Abdul Hameed Virk	RHC, Syed Wala	--	0300-6633271
77	Rao Aziz	Incharge NTC NNS	--	0300-4408950
78	Tehsidar Nankana Sahib	Jamil Mugal	--	0321-9411000
79	Mr. Muhammad Ilyas (S.D.O) SIKHANWALA	SIKHANWALA CANAL REST HOUSE NEAR RD 75+000 DEG DIVERSION BUND	--	0300-7114128
80	Mr. Muhammad Noman Kahlon (S.D.O)SHEIKHUPUR A	MADDODAS BUND RD 43+500	--	0300-4503037
81	Sheikh Saleem Akhtar (S.D.O) MAGTANWALA	AT KUND REHAM SHAH SPUR	--	0346-4062542
82	Mr. Miraj Din Sub Engineer Sikhanwala Section	Madhodass Bund RD 37+000	--	0333-4499272

83	Secretary Irrigation Department	--	042-99212117-18 Fax No.042-99212116	042-99200954
84	Director Flood / Secretary Flood Commission Lahore	--	042-99231614	042-36653943
85	Chief Engineer, D & F Zone, Lahore	--	042-99212085-86	042-99212084
86	Chief Engineer, D & F Zone, Lahore	--	042-99230602	--
87	Superintending Engineer, Upper Chenab Canal Circle, Lahore	--	042-99250333	--
88	Executive Engineer, Sheikhpura Division, UCC	--	056-9200253	--
89	Flood Warning Centre, Irrigation Deptt; Sheikhpura	--	056-9200252	--
90	Flood warning centre, Lahore	--	042-7572091	--
91	Sub Divisional Officer, Sikhanwala Sub Division, UCC	--	0300-7114128	0300-7114128
92	Sub Divisional Officer, Noushera Sub Division, UCC	--	0346-4062542	0333-4787659
93	Sub Divisional Officer, Mangtanwala Sub Division, UCC	--	0346-4062542	0346-4062542
94	Sub Divisional Officer, Sheikhpura Sub Division, UCC	--	0300-7114128	0300-7114128

