



DISTRICT MIANWALI

FLOOD FIGHTING PLAN, 2018

**Shozeb Saeed
Deputy Commissioner
Mianwali**

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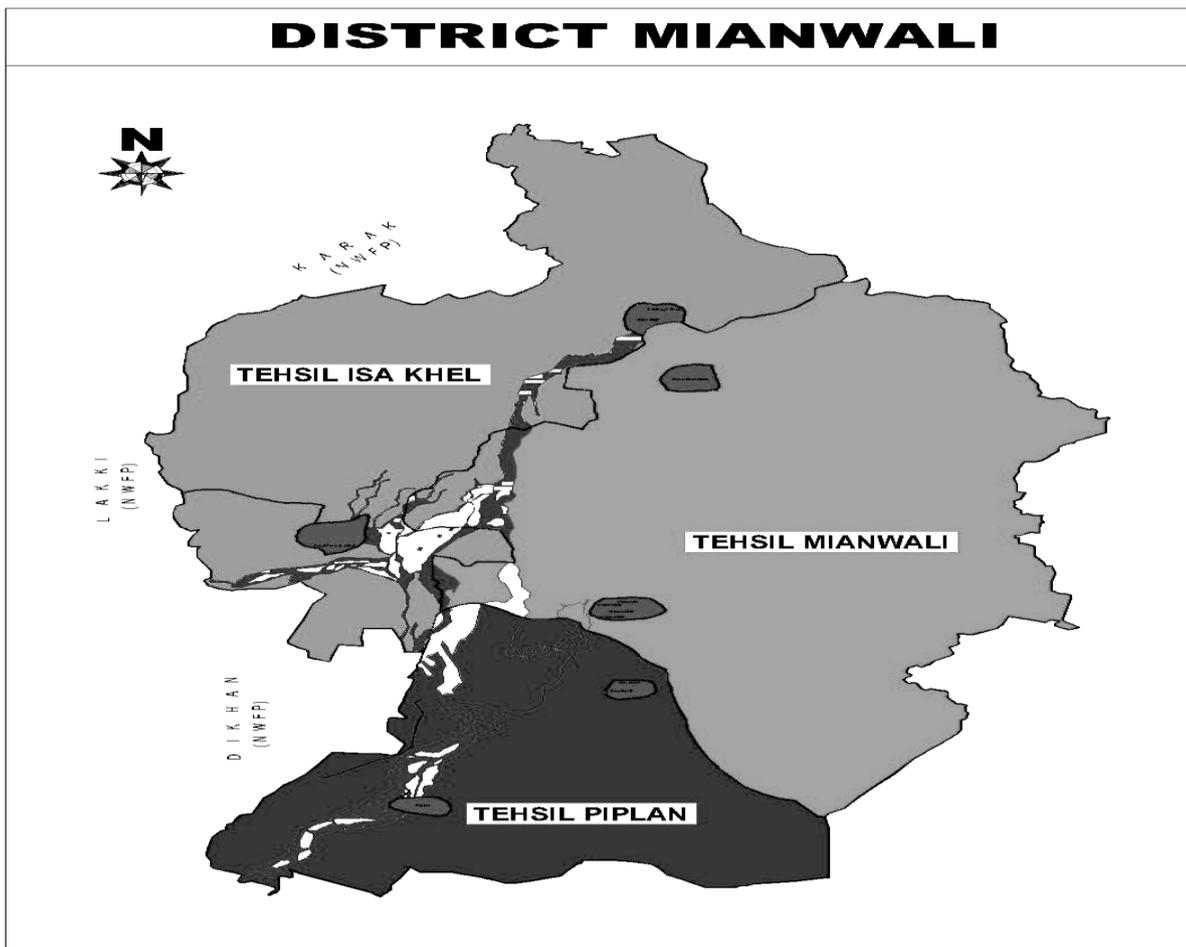
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PART - A

HISTORICAL BACKGROUND OF FLOOD IN DISTRICT MIANWALI

Indus River runs through Mianwali District. In view of the land characteristics along the bank of River Indus and heavy Monsoon rains during summer season, the Kacha areas situated along the banks of Indus River are generally hit by high floods. Whenever there is high flood in Indus River, it disturbs the entire social, economics, communication and agriculture system of this District. High Flood in Indus River generally causes disturbance both in urban and rural areas, particularly low lying areas (katcha) of Tehsil Isakhel, Mianwali, Piplan of the District.



In view of the 2010 experience and previous flood history of the District, constant watch is required to meet the flood emergency in the rainy season. It is, therefore absolutely essential to keep strict vigilance and mobilize all possible efforts and resources in a systematic and coordinated manner with a view to combat any emergent situation. This flood scheme has accordingly been evolved to effectively meet the flood situation in Mianwali District at short

notice whenever the need arises. Needless to emphasize that earnest and zealous efforts are required from all concerned departments and agencies which are entrusted with the sacred duty of protecting and providing relief to the flood affected people. All cooperation and assistance from various departments and NGOs will go a long way in augmenting flood relief, evacuation and rehabilitation efforts. By the Grace of Almighty Allah, District Government is fully alert and vigilant to meet any flood related emergent situation.

HIGHEST FLOODS AT JINNAH BARRAGE

Histogram of highest floods at Jinnah Barrage is given below:

| Year | Date | U/s gauges | D/s gauges | D/s discharge | Remarks |
|-------------|-------------|---|-------------------|----------------------|--------------------|
| 1948 | 14/8/48 | 691.45 | 690.65 | 769262 | Very high |
| 1949 | 20/7/49 | 689.95 | 689.60 | 698166 | Very high |
| 1950 | 2/8/50 | 691.25 | 690.75 | 743757 | Very high |
| 1953 | 12/7/53 | 692.05 | 691.25 | 689661 | Very high |
| 1958 | 16/7/58 | 693.30 | 690.40 | 776311 | Very high |
| 1976 | 2/8/76 | 693.00 | 690.70 | 861965 | Exceptionally High |
| 1992 | 10/9/92 | 692.50 | 688.40 | 846040 | Exceptional High |
| 1997 | 28/8/97 | 692.00 | 684.90 | 654179 | Very High |
| 2010 | 30/7/2010 | 695.50 / 701.30 at Critical Gauge RD:5+000 | 690.10 | 937453 | Super flood |

Jinnah Barrage was constructed during 1943 and commissioned in 1946. It consists of weir, left under sluice and right under sluice. It was designed for 9.50 lac Cs: and ultimate capacity was 11.00 lac Cusecs. Since its construction maximum discharge passed through Jinnah Barrage on **30.07.2010** was **10.87 Lac Cusecs**. About 9.37 Lac Cusecs passed through Barrage and 1.50 Lac Cusecs through breaching section. However, District Mianwali has a large No. of Mouzas which are situated in revarine belt and known as "Katcha Areas".

Left Guide Bund was washed in Super Flood which has been restored during annual closure of January 2011 as per original design. Other river training works that came under threat were damaged, have also been completed by the Irrigation Department for restoration under Flood Damages Restoration Program.

SUPER FLOOD 2010 MIANWALI-



It rained heavily since the last days of July 2010. Mianwali had already been the victim of 179 mm rain by the mid of August. In addition to these heavy rains Indus River was also going to break its silence. Water flow in the river was increasing and on at the evening of July 29; Thursday; flood warning was declared. People near river were asked to evacuate the settlements but no body was aware of the severeness of the weather. Water

streams from the hills had also started to swing with full flow and the heaviest water flow of the history was observed at Jinnah Barrage on Friday Night, 2010. Province of the KPK and some Districts of Punjab (Mianwali, Khushab, Leyyah, and DG Khan) were facing the record rain and flood in their history. Houses, crops, livestock and the businesses were fully devastated. Most affected areas of Mianwali district are Sheikh Mehmoodwala, Masitwala, Isakhel city, Bhuttanwala, Sheikhabad, Tarag Sharki, Kamar Mushani Kacha, Chenna Poora, Samandwala, Jantiwala, Kacha Khas Omer Khan, Karli, Kukranwala, Mandakhel Kacha, Khudazai Kacha, Jalalppur Kacha, Kot Candna, Kalabagh city, Wattakhel, Ballokhel, Qadirabad, Rokhri, Tarikhel Kacha, Dhoop Sari, Samandwala, Ghundi, Sawans, Paikhel, Chhidro, Hindalwala, Muhammad Sharifwala, Rustamwala, Dher Umaid Ali Shah, Daudkhel Kacha, Paki Shah Mardan and Mari Old.

DETAIL OF DEMAGES DUE TO SUPER FLOOD 2010

| Death Occurred | No. of Damaged Houses | Affected Crops Area (In Acres) | Affected U.Cs |
|-----------------------|------------------------------|---------------------------------------|----------------------|
| 12 | 17,378 | 1,02,500 | 26 |

DEMAGES OF LIVESTOCK

| Bull | Cattle | Sheep | Goats | Poultry |
|-------------|---------------|--------------|--------------|----------------|
| 192 | 464 | 161 | 150 | 4000 |

**DAMAGED AREAS HIT BY RIVER INDUS, KURAM & HILL TORRENTS IN
SUPER FLOOD 2010**

MIANWALI TEHSIL Mianwali(Mohallah Qadir-abad, Makhdoom Haji- Ballo khel, Alam Khel, Maskeen Abad, Nai abadi, Miana Mohallah, Watta Khel Pacca (Wata Khel, Madooran Wala, Pahoran Wala,) Daudkhel Katcha, Mari, Thathi, Muqemey wala,Bukhara, Dher Umaid Ali Shah,Utra Kalan,Malang Shah Wala,Daraz Wala Kalan,Zareef Wala,Nad Shah Wala,Jalal Shah Wala, Noor Hashim Shah Wala, Noor Khan Wala,Dhup Sari, Hindal Wala,Mochh Katcha,Muhammad Yar Wala, Utra Khurd,Balian, Rustam Wala, Rokhri Katcha, Shahbaz Khel Katcha, Bharionwala, Qureshian, Tarikhel Katcha, Mawazwala, Khan Muhammad Wala,Sultanwala Gharbi,Muhammad Shareef Wali,Muhammad Wala,Chak Muhammad Wala,Madat Wala, Fateh Khan Wala,Nauranga,Gul Haji Shah Wala, Chak Dosahri,

PIPLAN TEHSIL Wanota,Tiba Mehrban Shah,Tiba Gaima Shah, Jaal, Bhakra, Shahnawaz Wala, Churkun, Matha Jai, Burj Jai, Ahmad Shahwali, Piplan Kachha,Mammuwali, Noshera

ISA KHEL TEHSIL Isakhel,Sheikh Mehmood,Wial Sheikh Bahadur, Gidranwala, Sarwarkhel, Bhorsharif, Sarkia, Bhut, Maseetwala, Sharifabad, Katcha Kundal, Pacca Attock Paniala, Katcha Attock Paniala, Dhulian wala, Qaziwala, Katcha Kas umer khan, Chinna Purra, Kachha Nurzaman, Adil Shahwala, Kalukhel, Dhala Azmat khan wala, Trag Sharqi, Wasuwala,Janti wala, Meher Shah wali,Karandi, Malakhel, Katcha Kamar Mushani, Chashmia, Samandwala, Misri Khanwala, Chak Sarkar, Mahabali Shah, Darazwala Khurd, Kalabagh (Moh: Utra Pattan, Chin Mori, Parachgan, Tang Bazar, Rokhanwala, Daro Kutan Wala, Loharanwala, Wan, Sabzi, Mandi City, Eid Gah, Tebba Parachgan, Peer Fazal Hussain Shah, Wandhi Sayedanwali, Sadiq Abad, Sabzi Mandi Adda), Posbangikhel Sharqi / Kukran Wala. Lunday Bhanghi Khel, Khuduzai Kacha, Ganda, Manda Khel Katcha, Kuchh Tunderkhel

AIM& Objectives***The aim of this is to:-***

1. Adopt all possible measures during the off season to ensure adequate protection against floods.
2. Minimize the effect of floods once they hit the area.
3. Under take timely evacuation of the people and cattle heads.
4. Provide necessary relief.
5. Ensure timely restoration of means of communication.
6. Take effective measures regarding rehabilitation of the effectees.
7. Defuse damage to houses, food grain, fodder, standing crops, live stock, and to save life and property.

AREA AND POPULATION

| | | |
|----|--|-----------------|
| 1) | Total area of District in Acres | 14,26,000 Acres |
| 2) | Total Population of District (1998 Census) | 10,56,620 |
| 3) | Area likely to be affected | 4,35,168 Acres |
| 4) | Total Population in the dangerous Zone | 1,34,892 |
| 5) | Total No. of Village in dangerous Zone | 60 |

COMMAND AND CONTROL& key DRM Actors in theDistrict

The Deputy Commissioner, Mianwali will act as **District Flood Controller**, the Additional Deputy Commissioner (Revenue) & Additional Deputy Commissioner (General) Mianwali will coordinate and supervise the flood control and relief measures in the District. Their Telephone Numbers are **0459-235005, 234861**. The Assistant Commissioners will be responsible for their respective Tehsils. These places have been put under the charge of respective Tehsildars and Naib Tehsildars for maintaining effective control over these places and ensuring quick relief.

ORGANIZATION CONTROL AND RELIEF MEASURES

The flood control measures described in this scheme will be put into effect on receipt of Flood Warning, which may vary in Indus River. In case of High Flood, the entire machinery of the District Government will go into operation.

DISTRICT DISASTER MANAGEMENT AUTHORITY DISTRICT MIANWALI

District Disaster Management Authority District Mianwali shall consist upon the following:

- | | | |
|-----|--|----------|
| 1) | Deputy Commissioner Mianwali | Chairman |
| 2) | District Police Officer, Mianwali | Member |
| 3) | Additional Deputy Commissioner (Revenue), Mianwali | -do- |
| 4) | Additional Deputy Commissioner (General), Mianwali | -do- |
| 5) | Chief Executive Officer (Health), Mianwali | -do- |
| 6) | Acting Chief Executive Officer (Education), Mianwali | -do- |
| 7) | Assistant Commissioners Mianwali, Isa Khel and Piplan | -do- |
| 8) | Superintending Engineer, Thal Circle, Mianwali | -do- |
| 9) | Executive Engineer Kalabagh Headworks Daud Khel | -do- |
| 10) | Executive Engineer Mianwali Canal Div. Mianwali | -do- |
| 11) | District Health Officer, Mianwali | -do- |
| 12) | Medical Superintendent, DHQ Hosiptal, Mianwali | -do- |
| 13) | Additional Director (Live Stock), Mianwali | -do- |
| 14) | District Emergency Officer (Rescue 1122), Mianwali | -do- |
| 15) | District Food Controller, Mianwali | -do- |
| 16) | Chief Officer, District Council Mianwali | -do- |
| 17) | Chief Officers M.C, Mianwali, IsaKhel, Piplan | -do- |
| 18) | Chief Officers M.C Daud Khel, Kamar Mushani, Kalabagh, Kundian. | -do- |
| 19) | District Officer (Civil Defence), Mianwali | -do- |
| 20) | Executive Engineer (Operation) FESCO WAPDA, Mianwali | -do- |
| 21) | Executive Engineer (Grids) FESCO WAPDA, Mianwali | -do- |
| 22) | Deputy Director Public Relations, Mianwali | -do- |

CHAPTER-1

SALIENT FEATURES OF MIANWALI CANAL DIVISION MIANWALI.

1.1 LOCATION

Mianwali Canal Division is situated at District Head Quarter Mianwali.

1.2 GENERAL DESCRIPTION

Mianwali Canal Division has been established since 01.07.2012 due to splitting of Khushab Canal Division into two Divisions.

1:- Mianwali Canal Division Mianwali.

2:- Khushab Canal Division Khushab.

From 01.10.2012, Kundian Canal Sub Division of Kalabagh Division has been attached with this Division. Mianwali canal division is responsible for regulation of Thal Canal Main Line Lower, Escape Channel, Mohajir Branch, Dullewala Branch, Kundian Disty & Tibbi Disty off-taking from at RD: 157+662 (Tail) of Thal Canal Main Line Upper. Moreover maintenance and repair of 4 No. Lift Irrigation Schemes, Namal Dam and River Training Works Downstream Chashma Barrage to Mussiwali village are also under the control of Executive Engineer, Mianwali Canal Division. It comprises of following three Sub Divisions as under:-

1. Dullewala Canal Sub Division, Mianwali.
2. Tubewell Sub Division, Mianwali.
3. Kundian Canal Sub Division, Kundian.

Main infrastructure of Mianwali Canal Division comprises of:-

- | | |
|---|--------------------|
| 1. River Training Works D/S Chashma in District Mianwali. | 09 No. |
| 2. Thal Canal (Main Line Lower). | 26.20 Canal Miles |
| 3. Dullewala Branch | 21.60 Canal Miles |
| 4. Escape channel | 3.85 Canal Miles |
| 5. Distys, Minors & Sub Minors. | 457.14 Canal Miles |
| 6. Nos. of Outlets. | 1103 Nos. |
| 7. G.C.A. | 5.04 Lac acre |
| 8. C.C.A. | 4.34 Lac acre |

1.3 ADMINISTRATIVE SETUP

A. DULLEWALA SUB DIVISION

This Sub Division controls:

- i. Dullewala Branch RD: 0+000-108+019 (Tail) and its System.
- ii. Namal Dam and Canal System.
- iii. Tibbi Disty.

B. KUNDIAN SUB DIVISION

- i. 09-No. River Training Works on Left side of river Indus D/S Chashma Barrage to Mussiwali village (Tehsil Piplan).
- ii. Thal Canal Main Line Lower RD 0+000 to RD 131+000 and its off takes.
- iii. Escape Channel RD: 0+000-19+250 (Tail).
- iv. Kundian Disty system.

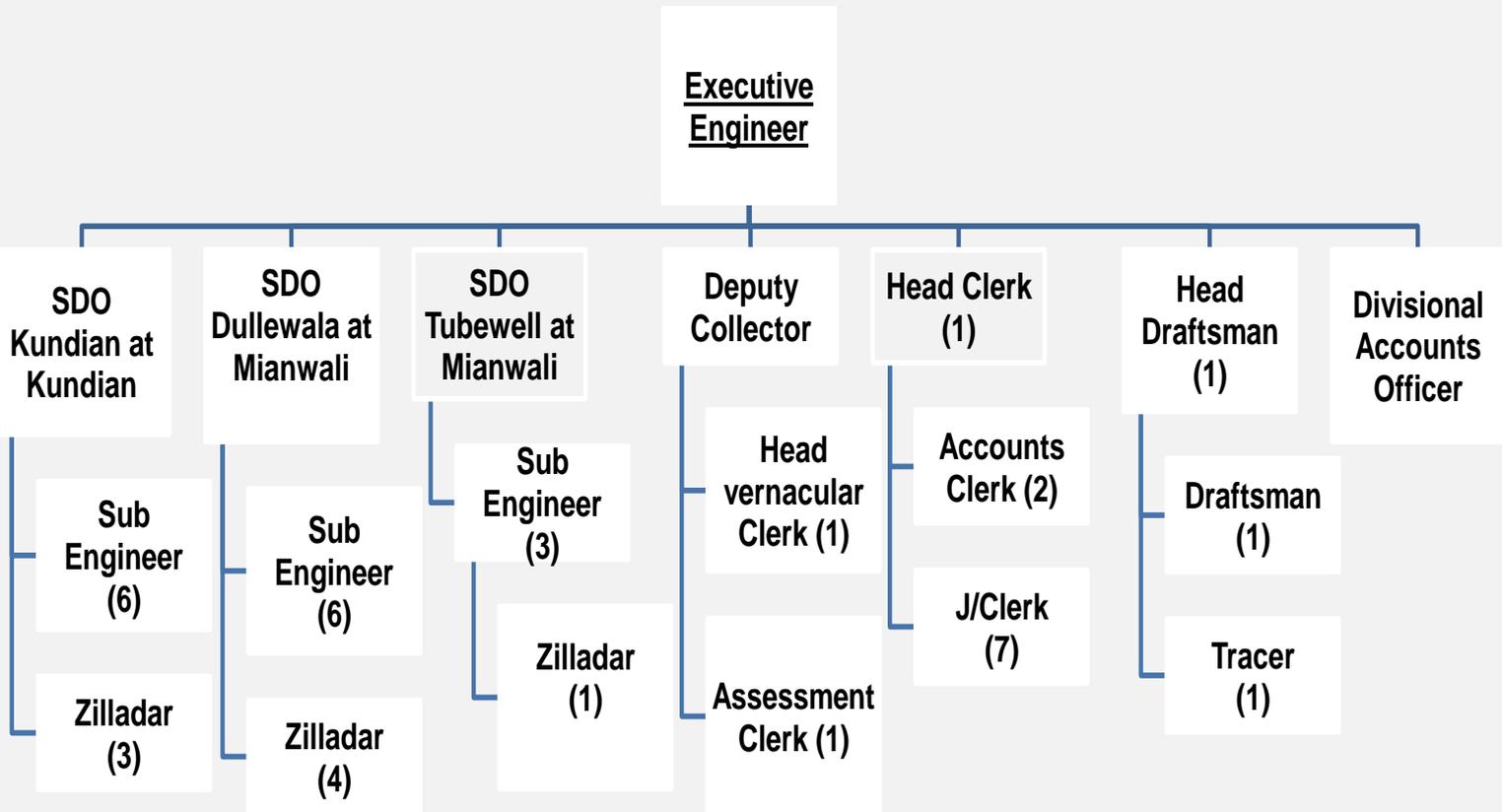
C. TUBEWELL SUB DIVISION

- i. Pumping Machinery of Samandwala Lift Irrigation Scheme.
- ii. Pumping Machinery at Pump House "A" and Pump House "B" of Mianwali Lift Irrigation Scheme.
- iii. Pumping Machinery of Gulmiri Lift Irrigation Scheme.
- iv. Pumping machinery of Mochh Lift Irrigation scheme.
- v. Channels of Samandwala Lift Irrigation Scheme.
- vi. Channels of Mianwali Lift Irrigation Scheme.
- vii. Channels of Gulmiri Lift Irrigation Scheme.
- viii. 40-No. Tubewells along C.J Link.
 1. Village Adhi Kot = 25-No.
 2. Village Chan = 15-No.

D. ORGANIZATION CHART

Copy attached.

ORGANIZATION CHART OF MIANWALI CANAL DIVISION MIANWALI



CHAPTER-2

FLOOD PROTECTION AND RIVER TRAINING WORKS

The river training works on Indus River down stream Chashma Barrage are as under:-

5 **RIVER TRAINING WORKS ON INDUS RIVER.**

- 1 J-Head spur at Village Kahloon
- 2 J-Head Spur at Bhakra
- 3 Guide Spur at Alluwali
- 4 J-Head Spur No.3 in between Doaba and Dhingana villages
- 5 J-Head Spur at Piplan
- 6 Guide wall Piplan
- 7 Guide Spur at Mussiwali
- 8 Protection wall at Alluwali
- 9 Solid stone stud near village Doaba
- 10 Protection wall at Dhingana

2.1 DESIGN PARAMETERS OF TRAINING WORKS

| Sr. | Name of Structure | Length | Designed Top R.L. | Top Width. (Ft). | Side Slopes |
|-----|---|---------|-------------------|------------------|------------------------------------|
| 1 | J-Head spur at Village Kahloon | 2120-Ft | 636.00 | 30-Ft | 1:3 Country side 1:2 River side |
| 2 | J-Head Spur at Bhakra | 2500-Ft | 634.00 | 30-Ft | 1:3 Country side 1:2 River side |
| 3 | Guide Spur at Alluwali | 2200-Ft | 634.00 | 30-Ft | 1:3 Country side 1:2 River side |
| 4 | J-Head Spur No.3 in between Doaba and Dhingana villages | 2143-Ft | 633.00 | 30-Ft | 1:3 Country side 1:2 River side |
| 5 | J-Head Spur at Piplan | 3514-Ft | 631.00 | 30-Ft | 1:3 Country side 1:2 River side |
| 6 | Guide wall Piplan | 1410-Ft | 631.00 | 30-Ft | 1:3 Country side 1:2 River side |
| 7 | Guide Spur at Mussiwali | 2000-Ft | 630.00 | 30-Ft | 1:3 Country side 1:2 River side |
| 8 | Protection wall at Alluwali | 2250-Ft | 616.00 | 10-Ft | 1:1 River side |
| 9 | Solid stone stud near village Doaba | 1840-Ft | 627 | 15-Ft | 1:1 River side |
| 10 | Protection wall at Dhingana | 1000-Ft | 610 | 20-Ft | 1:1 River side |

2.2 LOCATION MAP OF TRAINING WORKS

Location of river training works is marked on index plan of Mianwali Canal Division at page 05.

CHAPTER-3

BRIEF HISTORY OF PAST FLOOD EVENTS.

In flood season 2017 medium flood has been observed in river Indus and maximum discharge downstream Chashma Barrage developed 449353-Cs: (medium flood) on 04.08.2017. River had changed its course D/S Chashma Barrage near village Alluwali, Dhingana & Doaba during 2015. After Flood 2015 the position of erosion near village Alluwali was stopped due to construction of J-Head spur at Alluwali under ADP.

Since the year 2011, Alluwali Guide Spur and J-Head Spur No.3 in between Doaba – Dhingana are under constant river action and the main creek of the river is flowing along these structures. The apron of these structures has been damaged to various extents at different locations which have been restored during the year 2012, 2013 and 2015 by flood fighting. During the year 2011 the river changed its behavior and erosive action took place opposite to abadi of Alluwali village in the reach between Alluwali Guide Spur to J-Head Spur Doaba – Dhingana. 2-No. solid stone slopping studs at RD: 21+575 and RD: 22+850 were constructed to check the erosion for protecting abadi of Alluwali village. Similarly during the year 2012, 3rd Solid Stone Sloping Stud was constructed at RD: 22+000. These solid stone slopping stud were unable to divert the river flow from the site. During 2013 (on 14.08.2013) & 2015, river flow pattern of river Indus shifted away from the left bank and started direct hitting at J-part of J-Head Spur No.3 in between Doaba and Dhingana village and caused serious damage to the spur. However following works were executed during flood season 2014, 2016 and 2017.

- Construction of Guide Wall on left bank of river Indus D/S Chashma Barrage at RD: 23+500 to 24+500 near village Alluwali District Mianwali (during 2017-18) amounting to Rs: 29.686-Million.

After flood 2015, the scheme “Construction of J-Head Spur and excavation of Cunette to streamline river flow away from left bank of river Indus near Village Alluwali, Dhingana & Doaba in District Mianwali” was discussed in Departmental Expert Committee Meeting held on 18.01.2016 with the suggestion that “ Fresh Model Study to decide the fate of J-Head Spur under construction near the Alluwali along with the restoration of J-Head Spur No. 3 near Dhingana village damaged during flood 2013”

Fresh river survey plan was carried out and submitted to the Chief Engineer Research, Irrigation Research Institute, Lahore on 17.02.2016 for Fresh Model Study as desired by

the Departmental Expert Committee. Fresh Model Study Report No. IRR-1342, February 2017 was received and revised PC-1 for the scheme namely:-

- CONSTRUCTION OF J-HEAD SPUR AND EXCAVATION OF CUNETTE TO STREAM LINE RIVER FLOW AWAY FROM LEFT BANK OF RIVER INDUS NEAR VILLAGE ALLUWALI , DHINGANA AND DOABA IN DISTRICT MIANWALI (Guid Head Tied at the existing shank in front of Alluwali). The PC-1 amounting to Rs: 318.444-Million has been vetted by NESPAK Consultants of ADP works and submitted to higher office for onward submission to competent authority for Adman approval.
- RESTORATION OF J-HEAD SPUR NO. 3 BETWEEN DHINGANA & DOABA VILLAGES AND CONSTRUCTION OF J-HEAD SPUR AT RD: 35+600 ON LEFT BANK RIVER INDUS NEAR VILLAGE DOABA DISTRICT MIANWALI. The PC-1 has been approved by the Government and detail estimate amounting to Rs: 679.813-Million accordingly been sanctioned by the Chief Engineer, Irrigation Sargodha Zone, Sargodha. The scheme consist upon followings packages:-

Package-A

Construction of Guide Head Spur at RD: 29+000 village Dhingana District Mianwali amounting to Rs: 344.324-Million.

Package-B

Construction of J-Head Spur at RD: 35+600 near village Doaba District Mianwali amounting to Rs: 285.040-Million.

Tender for the works have been called on 27.03.2018 in Irrigation Secretariat Lahore. After approval of tendering process, work will be taken up in hand for execution at site.

CHAPTER-4

DESIGNED DATA, HISTORIC PEAK FLOOD DATA AND PREVIOUS FIVE YEAR FLOOD DATA OF HEAD WORKS / BARRAGES AND OR OTHER CONTROL POINTS

Not applicable.

4.1 FLOOD LIMITS OF RIVER INDUS AT CHASHMA BARRAGE

Limits of flood fixed by the Punjab Flood Commission are as under:-

| | | |
|--------------------------|---|----------------------|
| Normal. | = | up to 2.5 Lac Cs. |
| Low Flood | = | 2.5 to 3.75 Lac Cs. |
| Medium Flood | = | 3.75 to 5.0 Lac Cs. |
| High Flood | = | 5.0 to 6.50 Lac Cs. |
| Very High Flood | = | 6.50 to 8.0 Lac Cs. |
| Exceptionally High Flood | = | 8.00 to 10.0 Lac Cs. |
| Super Flood | = | above 10.0 Lac Cs. |

4.2 TIME LAGS OF FLOODS

| DISTANCE | TIME LAG |
|---|----------|
| From Attock to Jinnah Barrage. = 106 Miles | 48 Hours |
| From Jinnah Barrage to Chashma Barrage. = 41 Miles | 18 Hours |
| From Chashma Barrage to D.I.Khan / Darya Khan Bridge = 71 Miles | 30 Hours |

4.3 HIGHEST FLOODS AT JINNAH BARRAGE

Histogram of highest floods at Jinnah Barrage is given below:

| Year | Date | U/s gauges | D/s gauges | D/s discharge | Remarks |
|-------------|---------------|---------------|--------------|---------------|---------------------------|
| 1948 | 14/8/48 | 691.45 | 690.65 | 769262 | Very High |
| 1949 | 20/7/49 | 689.95 | 689.6 | 698166 | Very High |
| 1950 | 2/8/50 | 691.25 | 690.75 | 743757 | Very High |
| 1953 | 12/7/53 | 692.05 | 691.25 | 689661 | Very High |
| 1958 | 16/7/58 | 693.30 | 690.4 | 776311 | Very High |
| 1975 | 2/8/75 | 692.60 | 689.1 | 602541 | Very High |
| 1976 | 2/8/76 | 693.00 | 690.7 | 861965 | Exceptionally High |

| Year | Date | U/s gauges | D/s gauges | D/s discharge | Remarks |
|------|-----------|------------|------------|---------------|------------------|
| 1992 | 10/9/92 | 692.50 | 688.4 | 846040 | Exceptional High |
| 1997 | 28/8/97 | 692.00 | 684.9 | 654179 | Very High |
| 2010 | 30/7/2010 | 695.50 | 690.10 | 937453 | Super flood |
| 2017 | 3/8/2017 | 693.00 | 684.40 | 419460 | Medium |

CHAPTER-5

5.1 FLOOD FIGHTING STRATEGY FOR RIVER INDUS DOWNSTREAM CHASHMA BARRAGE

STAGE-1

DISCHARGE FROM 3.75 LAC CS to 5.0 LAC. CS.

When river discharge ranges between these limits, watching establishment will be deployed at the rate of one man per thousand feet. Sub Engineer, Kundian & Piplan Sections will supervise the entire watching operation of the Left flank of river Sub Divisional Officer Kundian and will act as the officer in charge of watching operation.

Establishment of Kundian section comprising 1 Mate with 6 beldars will be available round the clock. The Sub Engineer, Kundian & Piplan Sections will not leave the River Training Works area with out permission of S.D.O. Kundian. He will be authorized by the Divisional Officer to employ 6 seasonal coolies to make up deficiency caused by stationing 6 regular beldars coolies at River Training Works so that normal operations may not suffer.

STAGE II

DISCHARGE FROM 5.0 LAC Cs TO 6.50 LAC Cs.

When the discharge range between these limits, the watching establishment will be increased to three times of that provided in stage-1. Supervisory staff will be the same as in stage 1. In addition, Sub Engineer Joya Section will shift his headquarter at site.

STAGE III

DISCHARGE FROM 6.50 LAC Cs TO 8.0 LAC Cs.

Watching establishment shall be increased to six times that of stage-1. All establishment of Kundian Sub Division will be summoned to the River Training Works and deployed as detailed below:-

Sub Divisional Officer, Kundian Sub Division will be the officer in-charge of watching operation on the left flank. Sub Engineer of Kundian & Piplan Sections will supervise the relevant River Training Works:-

| | |
|---|---|
| Sub Engineer, Kundain Section | J-Head Spur Kahloon, J-Head Spur Bakhara, Guide Spur Alluwali and protection wall Alluwali. |
| Sub Engineer, Ghulaman Section | J-Head spur Alluwali and Protection wall Alluwali RD: 23+500 to 24+500. |
| Sub Engineer, Randhore Section | J-Head Spur No. 3 Dhingna & Doaba. |
| Sub Engineer, Piplan Section | J-Head Spur Piplan, Guide Wall Piplan and Guide Spur Musewali. |
| Sub Divisional Officer, Kundian Sub Division Kundian. | Sub Divisional Officer Kundian shall be Officer In charge of watching operation on the left flank of River Indus D/S Chashma Barrage to Musewali. |

STAGE-IV

DISCHARGE EXCEEDING 8.0 LAC CS

At this stage, volunteer labour arranged by Civil Administration and Army will help the watching operation. Police guards will be deputed on vulnerable points such as critical reaches between Alluwali Guide Spur & Doaba Dhingana J-Head Spur to safe guard against any Mishap/sabotage.

CHAPTER-6 **FLOOD DAMAGE RESTORATION WORKS**

The detail of flood damages restoration works proposed after flood 2017 are as under:-

Sr.No. Name of works

1. Completion of in-completed on-going scheme namely:-
 - Construction of J-Head Spur and excavation of cunette to streamline river flow away from left bank of river Indus near village Alluwali, Dhingana & Doaba in District Mianwali (Guide Head Tied with existing shank in front of Alluwali)". Revised PC-1 according to the Fresh Model Study Report No. IRR-1342, February 2017 has been prepared which has been cleared for amounting to Rs. 318.444-Million by the NESPAK Consultants of ADP works and

requisite No. copies of the PC-1 stand submitted to higher office for favour of approval from competent authority.

- RESTORATION OF J-HEAD SPUR NO. 3 BETWEEN DHINGANA & DOABA VILLAGES AND CONSTRUCTION OF J-HEAD SPUR AT RD: 35+600 ON LEFT BANK RIVER INDUS NEAR VILLAGE DOABA DISTRICT MIANWALI. The PC-1 has been approved by the Government and detail estimate amounting to Rs: 679.813-Million accordingly been sanctioned by the Chief Engineer, Irrigation Sargodha Zone, Sargodha. The scheme consist upon followings packages:-

Package-A

Construction of Guide Head Spur at RD: 29+000 village Dhingana District Mianwali amounting to Rs: 344.324-Million.

Package-B

Construction of J-Head Spur at RD: 35+600 near village Doaba District Mianwali amounting to Rs: 285.040-Million.

Tender for the works have been called on 27.03.2018 in Irrigation Secretariat Lahore. After approval of tendering process, work will be taken up in hand for execution at site.

CHAPTER-7

FLOOD FIGHTING / WATCHING ARRANGEMENTS

During floods, Sub Divisional officers, in absence of Executive Engineer will not hesitate to adopt protective measures for the safety of the River Training Works in real emergency, under intimation to higher hierarchy, through quickest means of Communication. Similarly, Sub Engineers in the absence of the Sub Divisional Officer will act accordingly.

7.1 PRE FLOOD ARRANGEMENTS

During the month of June, the watching establishment will work for making pre-flood arrangements till the river spills out.

For River Training Works in the 2nd defence line the same pre-flood arrangements will continue through out the flood season unless any of these River Training Works come under action.

Flood watching material will be arranged in ample quantities. Particular care will be taken to ensure that adequate quantity of the required material is distributed and placed at all the watching huts especially at all dangerous sites and that all the articles / material are in good condition. The scale of watching material is given in duty roster.

The Sub Engineers will inspect all the structures under their charge on foot. They will walk along the river side toe of the structures and locate the rat or porcupine holes on the slope and get it opened, refilled and compacted in his presence. Similarly SDO will inspect all the vulnerable reaches of the Spurs/Studs on foot and act in similar manner. Executive Engineer is also expected to see certain reaches of the Spurs/Studs here and there on foot to ensure that no rat / porcupine hole is left un-attended. The SDO will personally check that:

- All lamps, actuator and torches, kassies and baskets etc. are in good working condition and lightening arrangements at important points of the Spurs/Studs and at vulnerable reaches of the structures are satisfactory.
- Adequate arrangements are made for communication of urgent messages from any part of the Spur or Stud to the Executive Engineer in case of any emergency. If there is no telephonic, telegraphic or wireless link, special messenger will be kept ready at all time for this purpose.
- The entire watching establishment will be properly trained. Dry rehearsals for flood fighting by the end of June will be carried out and any short coming noticed will immediately be got rectified.

During pre-flood period, the watching staff will be engaged on the following works:-

- i. All jungle growth from the outer and inner toe of all Spurs up to five feet width will be cleared.
- ii. Rats/porcupines, and other burrowing animals through fumigation and closing their holes after opening and paddling them thoroughly.
- iii. Repairing temporary watching huts.

7.2 WATCHING ESTABLISHMENT

The Scale of watching establishment, in addition to regular establishment will be as under.

- During low flood, one man per 1000 feet will be deployed in 3-shift of 8 hours.
- During medium flood, strength will be increased by 3 times.
- During high flood, strength will be increased by 6 times.
- During exceptionally high flood, strength of man power will be at the discretion of Executive Engineer, Mianwali Canal Division, Mianwali.

7.3 ARRANGEMENTS AT SENSITIVE SITES

At all vulnerable reaches / sites such as from Alluwali Guide Spur to Doaba Dhingana J-Head Spur on the left bank of River Indus, 10 beldars, and one mate will be available round the clock when river rises above low flood level. A reasonable quantity of machinery will be readily available at this place throughout the flood season to combat any sort of emergency.

Structure wise detail of reserve stock stone is as under:-

| Sr. No. | Name of Structure | Sanctioned limit of reserve stock (Lac Cft.) | Qty of stone available as site (Lac Cft.) | Balance qty of stone required (Lac Cft.) | Remarks |
|----------------|--|--|---|--|--|
| 1. | J-Head Spur at village Kahloon | 1.25 | 0.75 | 0.50 | Total reserve stock stone limit for all structures is 9.00 Lac Cft. Estimate for procurement of reserve stock stone amounting to Rs:14.073-Million submitted to Circle Office for sanction. On receipt of T.S copy of the estimate and releases of funds, tender will be called and work will be taken up in hand accordingly. |
| 2. | J-Head Spur at village Bhakra | 1.25 | 0.22 | 1.03 | |
| 3. | Guide Spur at village Alluwali | 1.50 | 0.56 | 0.94 | |
| 4. | J-Head Spur No. 3 in between Dhingana & Doaba Villages | 1.50 | 0.00 | 1.50 | |
| 5. | J-Head Spur at Piplan | 1.50 | 0.86 | 0.64 | |
| 6. | Guide wall Spur at Piplan | 1.00 | 0.74 | 0.26 | |
| 7. | Guide Spur at village Musewali. | 1.00 | 1.05 | 0.00 | |
| Total:- | | 9.00 | 4.18 | 4.87 | |

7.4 WATCHING MATERIAL

The detail of watching material is as under:-

| Sr. No. | Name of article | Quantity available | Quantity required |
|---------|---------------------|--------------------|-------------------|
| 1 | Kassies with Handle | - | 80-No. |
| 2 | Shawl | - | 80-No. |

| Sr. No. | Name of article | Quantity available | Quantity required |
|----------------|-------------------------------|---------------------------|--------------------------|
| 3 | Basket (Toot) | - | 600-No. |
| 4 | Jute Bag (4-5 Cft) | - | 1600-No. |
| 5 | Polly propylene Bag (2-3 Cft) | - | 6000-No. |
| 6 | Bamboo | - | 3200-No. |
| 7 | Soldiery | - | 8-No. |
| 8 | Axes | - | 12-No |
| 9 | Torch | - | 60-No. |
| 10 | Torch Cell | - | 12-Dozen |
| 11 | Generator | - | 2-No. |
| 12 | Petrol for Generator | - | 1200-Litre |
| 13 | Cable 7/29 | - | 1200-Meter |
| 14 | Energy Sever | - | 30-No. |
| 15 | Electric Board | - | 20-No. |
| 16 | Life Jacket | - | 24-No. |
| 17 | Umbrella small | - | 16-No. |
| 18 | Umbrella large | - | 16-No. |
| 19 | Seba | - | 40-Kg. |
| 20 | Emergency light | - | 4-No. |

7.5 ARRANGEMENT FOR SOUNDING AND PROBING

For every spur/stud site and vulnerable serious location the arrangements will be made for sounding/probing, on need basis.

7.6 LIGHTING ARRANGEMENT

For lighting arrangements generators will be fixed on need basis.

7.7 RATION ARRANGEMENT

The establishment and supervisory staff will make their own food arrangement. Deputy Commissioner Mianwali and District Food Controller, Mianwali will be requested to keep a reserve stock of the articles at Alluwali village for supply to the labourers whenever flood emergency occurs.

7.8 POL ARRANGEMENTS FOR VEHICLES

2-No.Petrol Pumps (one at Chashma/Kundian and other at Alluwali) are located at the distance of 10-km and 01-Km respectively. Supply order will be placed on start of flood season. However POL will be brought to site on need basis.

7.9 TRANSPORTATION ARRANGEMENTS

Mianwali Canal Division has 03-No. Jeeps, 01-No. Tractor with Trolley/ front blade loader as well as sand bag filler machine. During emergency, 3 Pick Ups will be hired on receipt of information of discharge above the range of low flood. During acute emergency, Deputy Commissioner Mianwali and DPO Mianwali will be requested to arrange vehicles as per requirements.

7.10 LAW AND ORDER

Law and order situation may arise if erosion occurs between critical reaches on left bank of River Indus from Alluwali Guide Spur to Doaba Dhingana Spur (God forbid). In such a situation, Civil Administration and Police will provide the necessary cover.

7.11 MEDICAL ARRANGEMENTS FOR LABOUR

District Health Officer, Mianwali will set up a mobile dispensary at the Alluwali village with sufficient medical staff and medicines required against epidemics, snake bites, cholera, Dysenteries etc. In case of any eventuality, a mobile dispensary will be kept on wheels at short notice. Executive Engineer, Mianwali Canal Division will inform Civil Administration as well as District Health Officer in such case.

7.12 LIAISON WITH OTHER DEPARTMENTS

Executive Engineer, Mianwali Canal Division, Sub Divisional Officers, Kundian Sub Division and Dullewala Sub Division will keep liaison with their counter parts in other Departments. Higher Authorities of other Departments will be approached if needed through Superintending Engineer, Thal Canal Circle Mianwali. At site, Sub Engineers, Kundian & Piplan Sections will coordinate inspections of visiting officers of Civil and Army if no other higher officer is available at spot.

7.13 ROLE OF THE ARMY

In case of extreme emergency, on request by Executive Engineer, the Deputy Commissioner, Mianwali will be obliged to call the Army for immediate help and rescue. It will also be appropriate to ask for 100 Army men to station at the Barrage as and when discharge exceeds 6.50 lac Cusecs.

7.14 DUTIES OF TELEPHONE ATTENDANT AND SIGNALLERS

Telephone & Telegraph offices are located in the Canal Colony, Mianwali and in Canal Colony Kundian. Telegraph Office at canal colony Mianwali is facilitated with PTCL No. 0459-920130. Telephone Attendants and Signallers shall be available round the clock in order to collect and provide information regarding flood situation.

7.15 COMMUNICATION/WIRELESS ARRANGEMENTS

All concerned officers and officials will be facilitated with mobile sets. This arrangement will be ensured before onset of forth coming flood. All the official vehicles will also be equipped with the mobile / wireless sets. In addition to above1 Thuraya set (Satellite phone) lies with Executive Engineer, Mianwali Canal Division. These units will help the officers while on tour to remain in touch with flood situation.

CHAPTER-8**DETAIL OF ENCROACHMENT**

There is no encroachment along spurs of Mianwali Canal Division. A certificate is added in this respect.

CERTIFICATE

Certified that no encroachment exist on River Training Works in the Jurisdiction of Mianwali Canal Division, Mianwali.

**Sub Divisional Officer
Kundian Canal Sub Davison
Kundian**

**Executive Engineer
Mianwali Canal Division
Mianwali**

CHAPTER-9

DUTY ROSTER / FLOOD FIGHTING PROGRAM

DUTY ROSTER OF KEY PERSONAL DURING FLOOD SEASON 2018

| SITE | LENGTH ft. | STAGE-I DISCHARGE | LABOUR REQUIRE D | LABOUR FOR WATCHING BE DEPUTED (PER SHIFT) | | STAGE-II DISCHARGE | LABOUR REQUIRE D | LABOUR FOR WATCHING BE DEPUTED (PER SHIFT) | | STAGE-III DISCHARGE | LABOUR REQUIRE D | ESTABLISHMENT TO BE DEPUTED (PER SHIFT) | | | | STAGE-IV DISCHARGE EXCEEDING 8-LAC |
|---|---------------|---------------------------------|------------------------|---|--------|-----------------------------|------------------------|---|--------|-----------------------------|------------------------|--|-----------------|------|--------|---|
| | | | | MATE | BELDAR | | | MATE | BELDAR | | | SDO | SUB ENGINEER | MATE | BELDAR | |
| J-Head Spur Kahloon | 2120 | 3.75 lac Cs to 5.0 lac Cs | 1-Man per 1000-Ft | - | 2 | 5.0 lac Cs to 6.0 lac Cs | Three times | 1 | 6 | 6.0 lac Cs to 8.0 lac Cs | Six times | SDO KDN | SEN KDN | 1 | 12 | Establishment will be deputed as per stage-III |
| J-Head Bhakra | 2500 | | | - | 3 | | | 1 | 9 | | | SDO KDN | SEN KDN | 2 | 18 | |
| Guide Spur Alluwali | 2000 | | | - | 2 | | | 1 | 16 | | | SDO KDN | SEN KDN | 1 | 12 | |
| Protection wall Alluwali | 2250 | | | - | 2 | | | 1 | 6 | | | SDO KDN | SEN KDN | 1 | 6 | |
| Protection wall Alluwali (Dhingana) | 1000 | | | - | 2 | | | 1 | 6 | | | SDO KDN | SEN GHN | 1 | 6 | |
| J-Head Spur #3 Dhingana- Doaba | 2143 | | | - | 2 | | | 1 | 6 | | | SDO KDN | SEN RDR | 1 | 12 | |
| Solid Stone Stud Doaba | 1840 | | | - | 2 | | | 1 | 6 | | | SDO KDN | SEN RDR | 1 | 6 | |
| J-Head Spur Piplan | 3514 | | | - | 4 | | | 1 | 12 | | | SDO KDN | SEN PIPLAN | 2 | 24 | |
| Guide Wall Piplan | 1410 | | | - | 2 | | | 1 | 6 | | | SDO KDN | SEN PIPLAN | 1 | 12 | |
| Guide Spur Musewali | 2000 | | | - | 2 | | | 1 | 6 | | | SDO KDN | SEN PIPLAN | 1 | 12 | |

CHAPTER-10
EMERGENCY TELEPHONE NUMBERS OF IRRIGATION DEPARTMENT

| S. # | Name of post/Designation | Station/ Headquarter | Telephone No | | |
|-------------------------|---|----------------------|------------------------------|------------------|--------------|
| | | | Office | Residence | Mobile |
| LAHORE | | | | | |
| 1 | Flood warning Center | Lahore | 042/3752091-93 | - | |
| 2 | Deputy Secretary (Op) | Lahore | 042/99212126 042/99212127 | - | |
| 3 | Secretary IRRIGATION Department | Lahore | 042/99212117-18 | 042/99200951 | |
| 4 | Chief Engineer, Drainage & Flood. | Lahore | 042/99230602 | 042/35900049 | |
| 5 | Director Flood. | Lahore | 042/99231614 | 042/36653943 | |
| 6 | Deputy Director Flood. | Lahore | 042/35880700 | 042/9923028 2 | |
| 7 | Telegraph Office | Lahore | 042/99212166 | - | |
| 8 | Director Regulation. | Lahore | 042/99212147 | - | |
| SARGODHA/LAHORE. | | | | | |
| 1 | Chief Engineer, Irrigation Zone, | Sargodha | 048/9230445 | 048/9230451 | |
| 2 | Flood emergency office | Sargodha | 048/9230456 | - | |
| 3 | Executive Engineer Operation Irrigation | Sargodha | 048/9230446 | - | 0333-6804632 |
| MIANWALI | | | | | |
| 1 | Superintending Engineer, Thal Circle | Mianwali. | 0459/920181 | 0459/920183 | 0304-0661112 |
| 2 | Executive Engineer ,Mianwali | Mianwali | 0459/920137 | 0459/920154 | 0300-4242838 |
| 3 | Sub Divisional Officer, Dullewala | Mianwali | 0459/920137 | - | 0302-6737872 |
| 4 | Sub Divisional Officer, Kundian | Kundian | 0459/242544 | - | 0301-6765383 |
| 5 | Deputy Commissioner, Mianwali | Mianwali. | 0459/234300 | 0459/231595 | |
| 6 | Project Director Chashma Barrage | Chashma Barrage | 0459 /923285 0459/241473 | 0459 /923285 | |
| 7 | Canal Telephone Officer | Mianwali. | 0459 /920130 | - | |
| 8 | Assistant Engineer Agriculture | Mianwali. | 0459 /920219-20 | - | |
| 9 | District Police Office | Mianwali. | 0459/232704 0459 /920092 | - | |
| 10 | Flood Emergency of D.C.Office | Mianwali. | 0459/230360 0459/920152 | 0459/232555 | |

| | | | | | |
|----|---|-----------|------------------------------|--------------------|--|
| 11 | D..O.H Mianwali. | Mianwali. | 0459 /920138 0459-920111 | - | |
| 12 | Medical Superintendent.DHQ HOSPITAL Mianwali | Mianwali. | 0459/232888 0459/920128 | - | |
| 13 | District Flood Controller. | Mianwali. | 0459 /233641 | - | |
| 14 | Sub Divisional officer, Telephone. | Mianwali. | 0459 /232260 0459 /920000 | 0459- 920000-18 | |

MISCELLANEOUS

| | | | | | |
|---|---|--------------------|----------------------------|-----------------|------------------------------|
| 1 | Executive Engineer, Kalabagh | Daudkhel | 0459/388036 0459/395585 | 0459/388 036 | 0321-5442494 |
| 2 | Executive Engineer Bhakkar | Bhakkar | 0453/920016 | - | 0300-6339066 0312-6339066 |
| 3 | Executive Engineer Layyah SDO, Headworks | Layyah Daudkhel | 0606/412435 0459/388036 | - - | 0344-7873345 0300-7291010 |

CHAPTER-11

STANDARD OPERATING PROCEDURE FOR BREACHING SECTION

11.1 HISTORY OF THE BREACHING SECTION

There is no breaching section in Mianwali Canal Division.

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

Not applicable.

11.3 ARRANGEMENT OF EXPLOSIVES AND SECURITY OF EXPLOSIVE STORES

Not Applicable.

11.4 LIST OF THE SECURITY STAFF WITH DETAIL OF THEIR TRAINING ETC

Not Applicable.

11.5 DETAIL OF MECHANICAL MEANS AS A STAND BY ARRANGEMENTS IN CASE OF DETONATION FAILURE

Not Applicable.

11.6 DUTY ROSTER IN CASE OF CRITICAL SITUATION

In order to ensure timely completion of activities certain SOPs have been developed. All agencies have been directed to strictly adhere to their function described in the SOPs, which explicitly indicates roles and responsibilities of each functionary of the officers and officials of the Irrigation department.

1. Executive Engineer, Mianwali Canal Division, Mianwali.

Executive Engineer will be the overall incharge of flood activities in the jurisdiction of Mianwali Canal Division, Mianwali. The River Training Works falling in the areas of the District Mianawali (D/S Chashma Barrage to Mussi Wali village) are in the administrative control of Executive Engineer, Mianwali Canal Division Mianwali. He is responsible for maintenance and supervision of River Training Works / watching arrangement during flood season. He will also keep liaison with the Civil and Army Authorities and will keep the Superintending Engineer Thal Canal Circle Mianwali, fully apprised of the flood situation in Mianwali Canal Division, Mianwali.

Sub Divisional Officer, Kundian Canal Sub Division.

Sub Divisional Officer, Kundian will be the incharge of flood activities in the jurisdiction of Kundian Canal Sub Division. The flood protection works falling in the areas of Tehsil

Piplan on left side of River Indus are under the administrative control of SDO, Kundian. He will also be responsible for maintenance and supervision of River Training Works / watching arrangement. He will also keep close liaison with the Executive Engineer, Mianwali Canal Division Mianwali.

1. Sub Engineer, Kundian Canal Section.

Sub Engineer, Kundian Canal Section will shift his camp at Alluwali and watch all flood activities and will also remain present round the clock with a gang of labour of his section.

2. Sub Engineer, Ghulaman Canal Section.

Sub Engineer, Ghulaman Canal Section will shift his camp in between Alluwali and Doaba .He will watch river training works for protection of J-Head Spur Alluwali and protection Wall Alluwali and will also remain present round the clock with a gang of labour of his section.

3. Sub Engineer, Randhore Canal Section.

Sub Engineer, Randhore Canal Section will shift his camp at J-Head Spur Dhingana-Doaba. He will watch river training works for protection of all flood activities and will also remain present round the clock with a gang of labour of his section.

4. Sub Engineer, Piplan Canal Section.

Sub Engineer, Piplan Canal Section will shift his camp at J-Head Spur Piplan. He will watch river training works for protection of J-Head Spur Piplan, Guide wall Piplan and Guide Spur Muse Wali.He will also watch all flood activities and will remain present round the clock.

11.7 BREACHING COMMITTEE WITH THEIR ACTION PLAN

Not Applicable.

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

Not Applicable.

11.9 ANNOUNCEMENT & DETAIL OF EVACUATION ARRANGEMENTS

In case of emergency, proper announcement through speaker etc will be made to keep effectees well informed. The evacuation will be done by Civil Administration with the help of Army Authorities.

11.10 DETAIL OF COORDINATION WITH CIVIL/ARMY AUTHORITIES

There is a definite need of ensuring a good coordination with Provincial Department for combating flood menace. Respective heads of Provincial Departments and Commanders Corps Engineers will have effective coordination on all matters relating to flood mitigation and relief measures. Provincial Department as well as Army Authorities will be informed about various flood stages.

11.11 PARALLEL COMMUNICATION ARRANGEMENT

All concerned officers and officials will be facilitated with mobile sets. This arrangement will be ensured before onset of forth coming flood. All the official vehicles are also equipped with the mobile /wireless sets. These units help the officers while on tour to remain in touch with flood situation.

11.12 INDEX PLAN

Index plan has been attached.

CHAPTER-12

VULNERABLE SITES ON FLOOD BUND / STRUCTURES.

Emergencies and disasters of any type can be experienced by any infrastructure anywhere, anytime and it is therefore essential to have an emergency preparedness plan available to start corrective / supportive works immediately on occurrence of forestalling uncertainties and indecision to minimize the damaging effects of an emergency and to avoid irreparable losses through catastrophes generated by uncontrolled emergencies. The magnitude and seriousness of an emergency is directly related to the causative natural elements and the type / importance / sensitivity of the structure.

The following are the vulnerable sites.

1. Alluwali Guide Spur (site No. 1)
2. Reach between Alluwali Guide Spur and J-Head Spur No. 3 in between Dhingana-Doaba Villages. (site No. 2)
3. J-Head Spur No. 3 in between Dhingana-Doaba Villages. (site No. 3)
4. J-Head Spur at Piplan (Site No. 4)

12.1 APPREHENDED BREACH SITES IN FLOOD BUNDS / STRUCTURES.

Not applicable, as there is no breach site situated in the jurisdiction of Mianwali Canal Division.

12.2 OPERATION OF BREACHING SECTION.

Not applicable, as there is no breach site situated in the jurisdiction of Mianwali Canal Division.

12.3 BREACHES DUE TO RISING OF FLOOD WATER, DETORINATION OF FLOOD BUND ETC.

Not applicable, as the N.S.L of the left bank of River Indus from D/S Chashma Barrage to Musewali village is very high from the abadi.

CHAPTER-13

EMERGENCY CONTINGENCY PLAN FOR VULNERABLE SITES

Emergencies and disasters of any type can be experienced by any infrastructure anywhere, anytime and it is therefore essential to have an emergency preparedness plan available to start correlative / supportive works immediately.

ALLUWALI GUIDE SPUR (SITE NO. 1).

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

Plan showing route of water coming out of breach from Alluwali Guide Spur site # 1 is attached at page # 32.

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

A) NAME OF ABADIES / VILLAGES EFFECTED ALSO SHOWN ON THE PLAN

Name of Village

Alluwali

The village abadies likely to be effected due to breach has been shown on the plan attached at page # 32.

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

Such situation may not arise, as all abadies exist on high edge of the River Indus.

13.3.1 ARRANGEMENTS.

Necessary arrangements will be done on need basis.

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS.

Field Office at Alluwali village

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES

| Sr.NO. | NAME OF OFFICER/OFFICIAL | CAMP |
|--------|--|--|
| 1 | Muhammd Mumtan Khan, Senior Sub Engineer, | Field Office Camp at Alluwali Village |

13.3.4 DEPARTMENT MACHINERY AVAILABLE

Mianwali Canal Division has No machinery, however Machinery will be arranged on need basis from Machinery Circle of Irrigation Department.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE

PAEC & WAPDA located about 10-K.M away from Alluwali village will be requested for logistic support and to provide Machinery in any emergency.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

Detail of flood fighting / watching material is as under:-

| Sr. No. | Name of article | Quantity available | Quantity required |
|----------------|-------------------------------|---------------------------|--------------------------|
| 1 | Kassies with Handle | - | 20-No. |
| 2 | Shawl | - | 20-No. |
| 3 | Basket (Toot) | - | 150-No. |
| 4 | Jute Bag (4-5 Cft) | - | 400-No. |
| 5 | Polly propylene Bag (2-3 Cft) | - | 1500-No. |
| 6 | Bamboo | - | 800-No. |
| 7 | Soldiery | - | 2-No. |
| 8 | Axes | - | 3-No |
| 9 | Torch | - | 15-No. |
| 10 | Torch Cell | - | 3-Dozen |
| 11 | Generator | - | 1-No. |
| 12 | Petrol for Generator | - | 600-Litre |
| 13 | Cable 7/29 | - | 600-Meter |
| 14 | Energy Sever | - | 15-No. |
| 15 | Electric Board | - | 10-No. |
| 16 | Life Jacket | - | 6-No. |
| 17 | Umbrella small | - | 4-No. |
| 18 | Umbrella large | - | 4-No. |
| 19 | Seba | - | 10-Kg. |
| 20 | Emergency light | - | 1-No. |

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Material is partiely available.

13.4 DETAIL OF OTHER INFRASTRUCTURE LIKE ELECTRIC, SUI GAS TELEPHONE INSTALLATIONS, ROAD NETWORK, OTHER BUILDINGS, CANALS AND DRAINAGE NETWORK

A) IN CASE OF SEVERE EROSION ACTION ON LEFT BANK OF RIVER INDUS NEAR ALLUWALI VILLAGE. FOLLOWING INFRASTRUCTURE WILL BE EFFECTED.

- i Abadies.
- ii Sher shah soori metalled road from Alluwali to Piplan.
- iii Veterinary Hospital Alluwali
- iv Girls High School Alluwali
- v Boys High School Alluwali
- vi Railway Station Alluwali
- vii Communication System Alluwali
- viii Rural Health Centre Alluwali
- ix Water Supply Scheme Alluwali
- x Electric Supply Scheme Alluwali

REACH BETWEEN ALLUWALIL GUIDE SPUR AND J-HEAD SPUR NO. 3 IN BETWEEN DHINGANA-DOABA VILLAGES. (SITE NO. 2)

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

Plan showing route of water coming out of breach from reach between Alluwali Guide Spur and J-Head Spur # 3 in between Dhingana & Doaba is attached at page # 35.

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

A) NAME OF ABADIES / VILLAGES EFFECTED ALSO SHOWN ON THE PLAN

Name of Village

Alluwali, Dhingana, Doaba & Jal

The village abadies likely to be effected due to breach has been shown on the plan attached at page # 35.

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

Such situation may not arise, as all abadies exist on high edge of the River Indus.

13.3.1 ARRANGEMENTS.

Necessary arrangements will be done on need basis.

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS.

Field Office at Alluwali village

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES

| Sr. NO | NAME OF OFFICER/OFFICIAL | CAMP |
|---------------|--|--|
| 2 | Malik Aman Ullah, Senior Sub Engineer | Field Office Camp near Alluwali Village |

13.3.4 DEPARTMENT MACHINERY AVAILABLE

Mianwali Canal Division has No machinery, however Machinery will be arranged on need basis from Machinery Circle of Irrigation Department.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE

PAEC & WAPDA located about 10-K.M away from Alluwali village will be requested for logistic support and to provide Machinery in any emergency.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

Detail of flood fighting / watching material is as under:-

| Sr. No. | Name of article | Quantity available | Quantity required |
|----------------|-------------------------------|---------------------------|--------------------------|
| 1 | Kassies with Handle | - | 20-No. |
| 2 | Shawl | - | 20-No. |
| 3 | Basket (Toot) | - | 150-No. |
| 4 | Jute Bag (4-5 Cft) | - | 400-No. |
| 5 | Polly propylene Bag (2-3 Cft) | - | 1500-No. |
| 6 | Bamboo | - | 800-No. |
| 7 | Soldiery | - | 2-No. |
| 8 | Axes | - | 3-No |
| 9 | Torch | - | 15-No. |
| 10 | Torch Cell | - | 3-Dozen |
| 11 | Life Jacket | - | 6-No. |
| 12 | Umbrella small | - | 4-No. |
| 13 | Umbrella large | - | 4-No. |
| 14 | Seba | - | 10-Kg. |
| 15 | Emergency light | - | 1-No. |

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Material is partiely available.

13.4 DETAIL OF OTHER INFRASTRUCTURE LIKE ELECTRIC, SUI GAS TELEPHONE INSTALLATIONS, ROAD NETWORK, OTHER BUILDINGS, CANALS AND DRAINAGE NETWORK

A) IN CASE OF SEVERE EROSION ACTION ON LEFT BANK OF RIVER INDUS NEAR ALLUWALI VILLAGE. FOLLOWING INFRASTRUCTURE WILL BE EFFECTED.

- i Abadies.
- ii Sher Shah Soori metalled road from Alluwali to Piplan.
- iii Communication System Dhingana
- iv Electric Supply system Dhingana

J-HEAD SPUR NO. 3 IN BETWEEN DHINGANA-DOABA VILLAGES (SITE NO. 3)

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

Plan showing route of water coming out breach from J-Head Spur # 3 in between Dhingana - Doaba is attached at page # 38.

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

A) NAME OF ABADIES / VILLAGES EFFECTED ALSO SHOWN ON THE PLAN

Name of Village

Dhingana & Doaba.

The village abadies likely to be effected due to breach has been shown on the plan attached at page # 38.

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

Such situation may not arise, as all abadies exist on high edge of the River Indus.

13.3.1 ARRANGEMENTS.

Necessary arrangements will be done on need basis.

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS.

Field Office at J-Head Spur No.3

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES

| Sr. NO | NAME OF OFFICER/OFFICIAL | CAMP |
|---------------|--|--|
| 1. | Muhammad Ilyas Khan, Senior Sub Engineer, | Field Office Camp at J-Head Spur No. 3. |

13.3.4 DEPARTMENT MACHINERY AVAILABLE

Mianwali Canal Division has No Machinery however; Machinery will be arranged on need basis from Machinery Circle of Irrigation Department.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE

PAEC & WAPDA located about 10-K.M away from Alluwali village will be requested for logistic support and to provide Machinery in any emergency.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

Detail of flood fighting / watching material is as under:-

| Sr. No. | Name of article | Quantity available | Quantity required |
|---------|-------------------------------|--------------------|-------------------|
| 1 | Kassies with Handle | - | 20-No. |
| 2 | Shawl | - | 20-No. |
| 3 | Basket (Toot) | - | 150-No. |
| 4 | Jute Bag (4-5 Cft) | - | 400-No. |
| 5 | Polly propylene Bag (2-3 Cft) | - | 1500-No. |
| 6 | Bamboo | - | 800-No. |
| 7 | Soldiery | - | 2-No. |
| 8 | Axes | - | 3-No |
| 9 | Torch | - | 15-No. |
| 10 | Torch Cell | - | 3-Dozen |
| 11 | Life Jacket | - | 6-No. |
| 12 | Umbrella small | - | 4-No. |
| 13 | Umbrella large | - | 4-No. |
| 14 | Seba | - | 10-Kg. |
| 15 | Emergency light | - | 1-No. |

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Material is partiely available.

13.4 DETAIL OF OTHER INFRASTRUCTURE LIKE ELECTRIC, SUI GAS TELEPHONE INSTALLATIONS, ROAD NETWORK, OTHER BUILDINGS, CANALS AND DRAINAGE NETWORK

A) IN CASE OF SEVERE EROSION ACTION ON LEFT BANK OF RIVER INDUS NEAR ALLUWALI VILLAGE. FOLLOWING INFRASTRUCTURE WILL BE EFFECTED.

- i Abadies.
- ii Sher shah soori metalled road from Alluwali to Piplan.
- iii Communication System Dhingana / Doaba
- iv Electric Supply system Dhingana / Doaba

J-HEAD SPUR AT PIPLAN (SITE NO. 4).**13.1 PLAN SHOWING ROUTE OF FLOOD WATER COMING OUT OF THE BREACH SUPPORTED WITH LEVELS**

Plan showing route of water coming out of breach from J-Head Spur Piplan site # 4 is attached at page # 41.

13.2 DETAIL OF VILLAGES ABADIES LIKELY TO BE AFFECTED AND THIS SHOULD ALSO BE SHOWN ON THE PLAN**A) NAME OF ABADIES / VILLAGES EFFECTED ALSO SHOWN ON THE PLAN****Name of Village**

Piplan

The village abadies likely to be effected due to breach has been shown on the plan attached at page # 41.

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

Such situation may not arise, as all abadies exist on high edge of the River Indus.

13.3.1 ARRANGEMENTS.

Necessary arrangements will be done on need basis.

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS.

Field Office at J-Head Spur Piplan

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES

| Sr.NO. | NAME OF OFFICER/OFFICIAL | CAMP |
|---------------|---|--|
| 1 | Malik Zameer Kazam Senior Sub Engineer | Field Office Camp at J-Head Spur Piplan |

13.3.4 DEPARTMENT MACHINERY AVAILABLE

Mianwali Canal Division has No machinery, however Machinery will be arranged on need basis from Machinery Circle of Irrigation Department.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE

Machinery will be arranged from private sources on need basis.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

Detail of flood fighting / watching material is as under:-

| Sr. No. | Name of article | Quantity available | Quantity required |
|----------------|-------------------------------|---------------------------|--------------------------|
| 1 | Kassies with Handle | - | 20-No. |
| 2 | Shawl | - | 20-No. |
| 3 | Basket (Toot) | - | 150-No. |
| 4 | Jute Bag (4-5 Cft) | - | 400-No. |
| 5 | Polly propylene Bag (2-3 Cft) | - | 1500-No. |
| 6 | Bamboo | - | 800-No. |
| 7 | Soldiery | - | 2-No. |
| 8 | Axes | - | 3-No |
| 9 | Torch | - | 15-No. |
| 10 | Torch Cell | - | 3-Dozen |
| 11 | Generator | - | 1-No. |
| 12 | Petrol for Generator | - | 600-Litre |
| 13 | Cable 7/29 | - | 600-Meter |
| 14 | Energy Sever | - | 15-No. |
| 15 | Electric Board | - | 10-No. |
| 16 | Life Jacket | - | 6-No. |
| 17 | Umbrella small | - | 4-No. |
| 18 | Umbrella large | - | 4-No. |
| 19 | Seba | - | 10-Kg. |
| 20 | Emergency light | - | 1-No. |

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Material is not available.

13.4 DETAIL OF OTHER INFRASTRUCTURE LIKE ELECTRIC, SUI GAS TELEPHONE INSTALLATIONS, ROAD NETWORK, OTHER BUILDINGS, CANALS AND DRAINAGE NETWORK

A) IN CASE OF SEVERE EROSION ACTION ON LEFT BANK OF RIVER INDUS NEAR ALLUWALI VILLAGE. FOLLOWING INFRASTRUCTURE WILL BE EFFECTED.

- i Abadies.
- ii Sher shah soori metalled road from Piplan to Musewali.
- iii Communication System Piplan to Musewali.
- iv Electric Supply system Piplan to Musewali.

ACTION PLAN

14.1: Reshuffling / recouping plan of reserve stock stone departmentally.

Estimate for recouping of 4.87 Lac Cft. Reserve stock stone has been submitted to Circle Office for T.S.

14.2: Detail of Inlet and outlet crossing along with the closing methodology.

Not applicable.

14.3: Deployment plan (Medium to High Flood)

Detail given below.

| Sr. No. | Name of Division Name of Embankment | Length / Width | | KM | Machinery deployment plan | | | | Location of embankment of machinery | Location of Base Camp / Station | Police deployment plan |
|---------|--|----------------|----|------|---------------------------|--------|-------------|------------------|---|--------------------------------------|-------------------------------|
| | | | | | Excavator | Doners | Dump Trucks | Tractor Trolleys | | | |
| 1 | J-Head Spur at Village Kahloon | 2120 | 30 | 0.64 | 1 | - | - | 2 | RD: 4+000 of river Indus D/S Chashma Barrage | Base Camp # 1 at Guide Spur Alluwali | Constable=2 |
| 2 | J-Head Spur at Village Bhakra | 2500 | 30 | 0.76 | 1 | - | - | 2 | RD: 14+000 of river Indus D/S Chashma Barrage | Base Camp # 1 at Guide Spur Alluwali | Constable=2 |
| 3 | Guide Spur at village Alluwali | 2200 | 30 | 0.67 | 1 | - | - | 4 | RD: 20+000 of river Indus D/S Chashma Barrage | Base Camp # 1 at Guide Spur Alluwali | Constable=2 ASI =1 No. |
| 4 | Protection wall at village Alluwali | 2250 | 10 | 0.69 | 1 | - | - | 2 | RD: 22+000 of river Indus D/S Chashma Barrage | Base Camp # 2 at Village Alluwali | Constable=2 ASI =1 No. |
| 5 | Protection wall at village Alluwali (Dhingana) | 1000 | 20 | 0.30 | 1 | - | - | 2 | RD: 24+000 of river Indus D/S Chashma Barrage | Base Camp # 2 at Village Alluwali | Constable=2 ASI =1 No. |
| 6 | J-Head Spur No.3 in between Dhingana & Doaba Villages. | 2143 | 30 | 0.66 | 1 | - | - | 4 | RD: 30+000 of river Indus D/S Chashma Barrage | Base Camp # 3 at J-Head Spur # 3 | Constable=2 |
| 7 | Solid Stone Stud near village Doaba | 1840 | 10 | 0.56 | 1 | - | - | 2 | RD: 32+000 of river Indus D/S Chashma Barrage | Base Camp # 3 at J-Head Spur # 3 | Constable=2 |
| 8 | J-Head Spur at Piplan | 3514 | 30 | 1.07 | 1 | - | - | 2 | RD: 46+000 of river Indus D/S Chashma Barrage | Base Camp # 4 at J-Head Spur Piplan | Constable=2 No. |
| 9 | Guide Wall Spur at Piplan | 1410 | 30 | 0.43 | 1 | - | - | 2 | RD: 48+000 of river Indus D/S Chashma Barrage | Base Camp # 4 at J-Head Spur Piplan | Constable=2 No. ASI =1 No. |
| 10 | Guide Spur at village Musawali | 2000 | 30 | 0.61 | 1 | - | - | 4 | RD: 64+000 of river Indus D/S Chashma Barrage | Base Camp # 4 at J-Head Spur Piplan | Constable=2 No. |

| 14.4: Department Machinery (Medium to High Flood) | | | | | | | | | | | |
|---|--|----------------------|--|--|---|--------------------|-------|-------------------|--------------------------|---------------------|---------------------------|
| Sr. No. | Name of Stricture | Length in Canal Mile | Vulnerable Reach | Camp Location | Site Incharge by name & Cell No. | Machinery Deployed | | | | | Availability of Stone Cft |
| | | | | | | Excavator | Dozer | Trolleys/ Dumpers | Tractor with front blade | Labour/Beldar +Mate | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | J-Head Spur at Village Kahloon | 0.42 | - | - | Mumtaz Khan Senior SEN 0300-6091979 | - | - | - | - | 14+1 Per Shift | 75,000 |
| 2 | J-Head Spur at Village Bhakra | 0.50 | - | - | | - | - | - | - | | 22,000 |
| 3 | Guide Spur at village Alluwali | 0.44 | RD:20+000 of river Indus D/S Chashma Barrage | RD:20+000 of river Indus D/S Chashma Barrage | | 2 | - | 4 | 2 | | 56,000 |
| 4 | Protection wall at village Alluwali | 0.45 | - | RD:20+000 of river Indus D/S Chashma Barrage | | 2 | - | 4 | 2 | | - |
| 5 | Protection wall at village Alluwali (Dhingana) | 0.2 | RD:24+000 of river Indus D/S Chashma Barrage | | Aman Ullah SEN 0300-7605605 | | | | | 4+0 per Shift | |
| | - | - | Reach between Alluwali Guide Spur and J-Head Spur No.3 | Reach between Alluwali Guide Spur and J-Head Spur No.3 | | 2 | - | 4 | 2 | | - |
| 6 | J-Head Spur No.3 in between Dhingana & Doaba Villages. | 0.43 | RD:30+000 of river Indus D/S Chashma Barrage | RD:30+000 of river Indus D/S Chashma Barrage | Ilyas Khan SEN 0304-1041244 | 2 | - | 4 | 2 | 20+1 per Shift | - |
| 7 | Solid Stone Stud near village Doaba | 0.37 | - | RD:30+000 of river Indus D/S Chashma Barrage | | 2 | - | 4 | 2 | | |
| 8 | J-Head Spur at Piplan | 0.70 | - | - | Malik Zamir Kazam Senior SEN 0300-6054595 | 1 | - | - | 2 | 20+1 per Shift | 84,000 |
| 9 | Guide Wall Spur at Piplan | 0.28 | - | - | | 1 | - | - | 2 | | 76,000 |
| 10 | Guide Spur at village Musawali | 0.40 | - | - | | 1 | - | - | 4 | | 1,05,000 |

14.5 DEPARTMENT MACHINERY IN CASE OF VERY HIGH TO EXCEPTIONALLY HIGH FLOOD

| Sr. No. | Name of Stricture | Length in Canal Mile | Vulnerable Reach | Camp Location | Site Incharge by name & Cell No. | Machinery Deployed | | | | | Availability of Stone Cft |
|---------|--|----------------------|--|--|---|--------------------|-------|---------------------|--------------------------|---------------------|---------------------------|
| | | | | | | Excavator | Dozer | Trolleys/ Dumper | Tractor with front blade | Labour/Beldar +Mate | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | J-Head Spur at Village Kahloon | 0.42 | - | - | Mumtaz Khan Senior SEN 0300-6091979 | - | - | - | - | 42+4 Per Shift | 75,000 |
| 2 | J-Head Spur at Village Bhakra | 0.50 | - | - | | - | - | - | - | | 22,000 |
| 3 | Guide Spur at village Alluwali | 0.44 | RD:20+000 of river Indus D/S Chashma Barrage | RD:20+000 of river Indus D/S Chashma Barrage | | 2 | - | 4 | 2 | | 56,000 |
| 4 | Protection wall at village Alluwali | 0.45 | - | RD:20+000 of river Indus D/S Chashma Barrage | | 2 | - | 4 | 2 | | - |
| 5 | Protection wall at village Alluwali (Dhingana) | 0.2 | RD:24+000 of river Indus D/S Chashma Barrage | | Aman Ullah SEN 0300-7605605 | | | | | 12+1 per Shift | |
| | - | - | Reach between Alluwali Guide Spur and J-Head Spur No.3 | Reach between Alluwali Guide Spur and J-Head Spur No.3 | | 2 | - | 4 | 2 | | - |
| 6 | J-Head Spur No.3 in between Dhingana & Doaba Villages. | 0.43 | RD:30+000 of river Indus D/S Chashma Barrage | RD:30+000 of river Indus D/S Chashma Barrage | Ilyas Khan SEN 0304-1041244 | 2 | - | 4 | 2 | 60+5 per Shift | - |
| 7 | Solid Stone Stud near village Doaba | 0.37 | - | RD:30+000 of river Indus D/S Chashma Barrage | | 2 | - | 4 | 2 | | |
| 8 | J-Head Spur at Piplan | 0.70 | - | - | Malik Zamir Kazam Senior SEN 0300-6054595 | 1 | - | - | 2 | 60+5 per Shift | 84,000 |
| 9 | Guide Wall Spur at Piplan | 0.28 | - | - | | 1 | - | - | 2 | | 76,000 |
| 10 | Guide Spur at village Musawali | 0.40 | - | - | | 1 | - | - | 4 | | 1,05,000 |

14.6 Police Deployment Plan.

| Sr. No. | Name of Embankment | Length / Width | | Kilometer | Machinery deployment plan | | | | Location of embankment of machinery | Location of Base Camp / Station | Police deployment plan |
|---------|---|----------------|-----|-----------|---------------------------|--------|-------------|------------------|---|--------------------------------------|-------------------------------|
| | | | | | Excavator | Doners | Dump Trucks | Tractor Trolleys | | | |
| 1 | J-Head Spur at Village Kahloon | 2120 | 30' | 0.64 | 1 | - | - | 2 | RD: 4+000 of river Indus D/S Chashma Barrage | Base Camp # 1 at Guide Spur Alluwali | Constable=2 No. |
| 2 | Mianwali J-Head Spur at Village Bhakra | 2500 | 30' | 0.76 | 1 | - | - | 2 | RD: 14+000 of river Indus D/S Chashma Barrage | Base Camp # 1 at Guide Spur Alluwali | Constable=2 No. |
| 3 | Mianwali Guide Spur at village Alluwali | 2200 | 30' | 0.67 | 1 | - | - | 4 | RD: 20+000 of river Indus D/S Chashma Barrage | Base Camp # 1 at Guide Spur Alluwali | Constable=2 No. ASI =1 No. |
| 4 | Mianwali Protection wall at village Alluwali | 2250 | 10' | 0.69 | 1 | - | - | 2 | RD: 22+000 of river Indus D/S Chashma Barrage | Base Camp # 2 at Village Alluwali | Constable=2 No. ASI =1 No. |
| 5 | Mianwali Protection wall at village Alluwali (Dhingana) | 1000 | 20' | 0.30 | 1 | - | - | 2 | RD: 24+000 of river Indus D/S Chashma Barrage | Base Camp # 2 at Village Alluwali | Constable=2 No. ASI =1 No. |
| 6 | Mianwali J-Head Spur No.3 in between Dhingana & Doaba Villages. | 2143 | 30' | 0.66 | 1 | - | - | 4 | RD: 30+000 of river Indus D/S Chashma Barrage | Base Camp # 3 at J-Head Spur # 3 | Constable=2 No. |
| 7 | Mianwali Solid Stone Stud near village Doaba | 1840 | 10' | 0.56 | 1 | - | - | 2 | RD: 32+000 of river Indus D/S Chashma Barrage | Base Camp # 3 at J-Head Spur # 3 | Constable=2 No. |
| 8 | Mianwali J-Head Spur at Piplan | 3514 | 30' | 1.07 | 1 | - | - | 2 | RD: 46+000 of river Indus D/S Chashma Barrage | Base Camp # 4 at J-Head Spur Piplan | Constable=2 No. |
| 9 | Mianwali Guide Wall Spur at Piplan | 1410 | 30' | 0.43 | 1 | - | - | 2 | RD: 48+000 of river Indus D/S Chashma Barrage | Base Camp # 4 at J-Head Spur Piplan | Constable=2 No. ASI =1 No. |
| 10 | Mianwali Guide Spur at village Musawali | 2000 | 30' | 0.61 | 1 | - | - | 4 | RD: 64+000 of river Indus D/S Chashma Barrage | Base Camp # 4 at J-Head Spur Piplan | Constable=2 No. |

14.7 Detail of Synthetic bags with Capacity of 500-KG & 1000-KG

| Sr. No. | Vulnerable Reach | Camp Location | Site Incharge by name & Cell No. | Synthetic bags with a capacity of 500 Kg and 1000 Kg | Plastic sheets |
|---------|--|--|---|--|----------------|
| 1 | RD:20+000 of river Indus D/S Chashma Barrage | RD:20+000 of river Indus D/S Chashma Barrage (site #1) | Mumtaz Khan Senior SEN 0300-6091979 | 25 + 25 | 50 meter |
| 2 | Reach between Alluwali Guide Spur and J-Head Spur No.3 | Reach between Alluwali Guide Spur and J-Head Spur No.3 (site #2) | Aman Ullah SEN 0300-7605605 | 25 + 25 | 50 meter |
| 3 | RD:30+000 of river Indus D/S Chashma Barrage | RD:30+000 of river Indus D/S Chashma Barrage (site #3) | Ilyas Khan SEN 0304-1041244 | 25 + 25 | 50 meter |
| 4 | RD:46+000 of river Indus D/S Chashma Barrage | RD:46+000 of river Indus D/S Chashma Barrage (site #4) | Zameer Kazam Senior SEN 0300-6054595 | 25 + 25 | 50 meter |

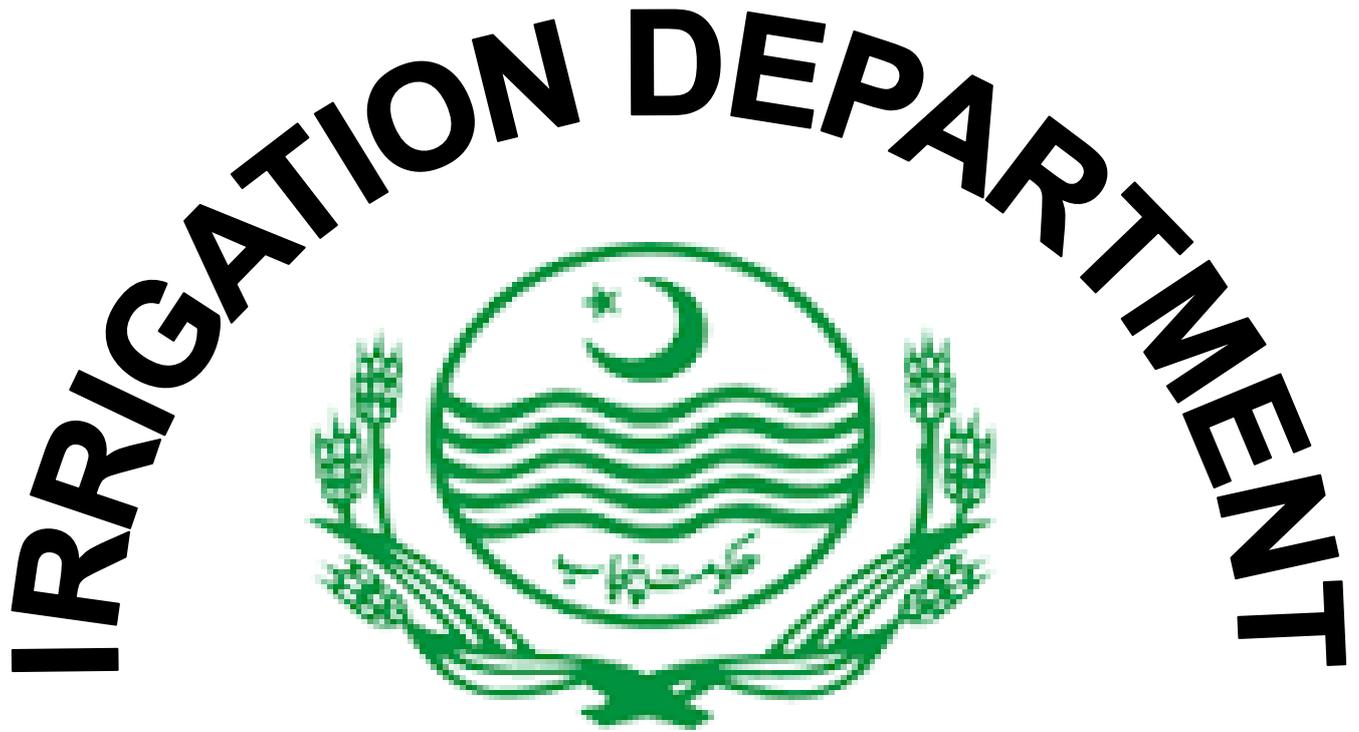
14.8 Detail of Polythene sheet of black colour to protect upstream slope against wave action and to control seepage through embankments

| Sr. # | Vulnerable Reach | Camp Location | Site Incharge by name & Cell No. |
|-------|--|--|---|
| 1 | 2 | 3 | 4 |
| 1 | RD:20+000 of river Indus D/S Chashma Barrage | RD:20+000 of river Indus D/S Chashma Barrage (site #1) | Mumtaz Khan Senior SEN 0300-6091979 |
| 2 | Reach between Alluwali Guide Spur and J-Head Spur No.3 | Reach between Alluwali Guide Spur and J-Head Spur No.3 (site #2) | Aman Ullah SEN 0300-7605605 |
| 3 | RD:30+000 of river Indus D/S Chashma Barrage | RD:30+000 of river Indus D/S Chashma Barrage (site #3) | Ilyas Khan SEN 0304-1041244 |
| 4 | RD:46+000 of river Indus D/S Chashma Barrage | RD:46+000 of river Indus D/S Chashma Barrage (site #4) | Zameer Kazam Senior SEN 0300-6054595 |

CHAPTER-15

Back up Division (In case of breach)

Kalabagh Headworks Division will be backup Division in case of any damaged of structure/bund.



GOVERNMENT OF THE PUNJAB

FLOOD FIGHTING PLAN 2018

SARGODHA IRRIGATION ZONE SARGODHA

THAL CANAL CIRCLE MIANWALI

KALABAGH HEADWORKS DIVISION DAUDKHEL

PART-A

CHAPTER-1

SALIENT FEATURES OF KALABAGH HEADWORKS DIVISION DAUDKHEL

1.2 LOCATION

Kalabagh Headworks Division mainly comprises of Jinnah Barrage & Thal Canal (Main Line Upper). Jinnah Barrage previously called as Kalabagh Headworks, is located on the River Indus about three miles downstream of Kalabagh Town. Its topographic location is at latitude 32.95° and longitude 71.50°. The terrain U/S of the Head works is hilly and the general topographic slope is from North East to South West. River approach from Kalabagh Town to Barrage is confined between mountains of salt range on the west and high ridges on the East. The average altitude of the area of East of the Barrage is 670.00' above mean sea level.

1.2 GENERAL DESCRIPTION

Jinnah Barrage & Thal Canal (Main Line Upper) off-taking from the Barrage falls under the jurisdiction of Kalabagh Headworks Division, Daudkhel.

Headworks Sub Division and Tubewell Sub Division Daudkhel is now under the administrative control Kalabagh Headworks Division Daudkhel.

The Division is headed by Executive Engineer & supported by a Sub Divisional Officers and sub ordinate technical & administrative staff. XEN & SDO residences are at Canal Colony Daudkhel which is at a distance of about 4 KM from the Barrage.

Kas Umer Khan Canal System in undation channel off-taking from Kurram River near Isa Khel also falls under jurisdiction of Kalabagh Headworks Division. Moreover, different hill torrents like as Chichali, Broach, Rakka, Darsola & Jabba are administrative control of this Division. Index Plan of Division is enclosed at page No. 60.

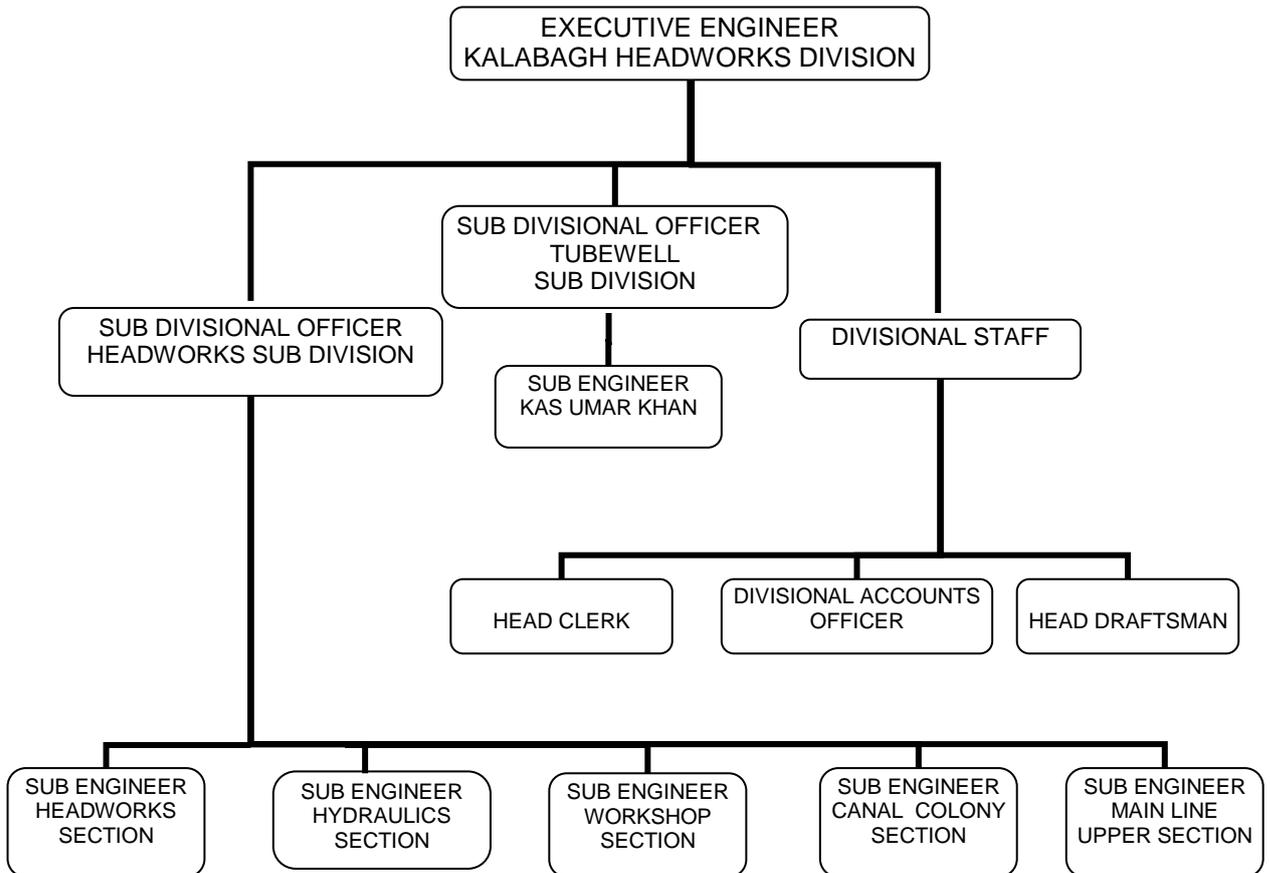
Main infrastructure of Kalabagh Headworks Division comprises of

1. Jinnah Barrage.
 - i. Left Guide Bund (LGB) U/S & D/S.
 - ii. Right Guide Bund (RGB) U/S & D/S.
 - iii. Left Marginal Bund (LMB)
 - iv. Right Marginal Bund (RMB) including breaching section.
 - v. Tie Bund.
 - vi. Subsidiary Weir.
2. Thal Canal Main Line Upper RD:0+000- 157+662. = 31.53 Miles.
3. Daudkhel Lift Irrigation Scheme.
4. Mochh Lift Irrigation Scheme.
5. Kas Umer Khan Canal System (Non Perennial).
6. Right Paikhel Canal (Flood Channel).
7. Bokhara Disty (Flood Channel).
8. Disty & Minors. = 81.48 Miles.
9. Nos. of outlets. = 161 Nos.

10. G.C.A. = 0.068 M. Acres.
 11. C.C.A. = 0.061 M. Acres.

1.3 ADMINISTRATIVE SETUP

Organization of Kalabagh Headworks Division is shown as under:-



CHAPTER-2

FLOOD PROTECTION AND RIVER TRAINING WORKS

The river training works of Jinnah Barrage are as under:-

6

A- RIVER TRAINING WORKS OF JINNAH BARRAGE.

- 1 Left guide bund U/S
- 2 Left guide bund D/S
- 3 Right guide bund U/S
- 4 Right guide bund D/S

- 5 Left marginal bund U/S
- 6 Right marginal bund
- 7 T-Head Spur off taking at RD. 6+500 R.M.B.
Length of T-Head=500 Ft.
- 8 Canal Colony Protection Bund

7 **B- OTHER RIVER TRAINING WORKS ON INDUS RIVER.**

- 1 Flood protection works of Kalabagh Town and other adjoining area on Right Flank of River Indus.

8 **C- RIVER TRAINING WORKS ON KURRAM RIVER.**

- 1 Solid stone Studs= 9 Nos.
for protection of villages of Tehsil Isakhel on Left Bank of River Kurram.
- 2 Flood Protection Bund RD:12+000 to RD:19+500 & RD:46+000 to RD:61+000.
- 3 Hockey Spur at RD:46+000.
- 4 Stone Guide Wall Kas Umer Khan.

9 **D- OTHER FLOOD PROTECTION WORKS.**

| | |
|---|--|
| 1 | Divider in Nullah Broach. |
| 2 | Dispersion structure, fall structure, and pitching near Mianwali-Bannu road bridge are under execution on Nullah Broach. |
| 3 | Pitching near Kaliwala, stone studs at Jinjwani are under execution on Chichali Nullah. |
| 4 | Sloping Studs Nullah Broach. = 7 Nos. |
| 5 | Plug Bund Nullah Broach. |
| 6 | Guide Wall Wandha Kukranwala. |

2.1 DESIGN PARAMETERS OF TRAINING WORKS

| Sr. | Name of Structure | Length (Ft) | Designed Top R.L. | Top Width. (Ft). | side slopes |
|-----|---|---|--------------------|---|--------------------------------------|
| 1 | Left Guide Bund U/S | 4099 | 706.00 | Up to RD. 2+028 = 30 Ft RD.2+028-2+528 = 30-60Ft RD.2+528-4+099 = 60 Ft | 1:2 rivern side. 1:3 country side |
| 2 | Left Guide Bund D/S | 1522 | 702.00 | 30 | 1:2 rivern side. 1:3 country side |
| 3 | Right Guide Bund U/S | 1761 | 706.00 | 30 | 1:2 rivern side. 1:3 country side |
| 4 | Right Guide Bund D/S | 1957 | 702.00 | 30 | 1:2 rivern side. 1:3 country side |
| 5 | Left Marginal Bund U/S | 7410 | 708.30 – 715.80 | 30 - 40 | 1:3 both sides |
| 6 | Right Marginal Bund | 9084 | 706.00 | 30 | 1:3 both sides |
| 7 | T-Head Spur off taking at RD. 6+500 RMB. Length of T-Head Spur = 500 Ft. | 4820 | 706.00 | 15 | 1:2 both sides |
| 8 | Canal Colony Protection Bund | 11730 | 715.80 – 734.20 | 30 | 1:2 rivern side. 1:3 country side |
| 9 | Flood protection works of Kalabagh Town and other adjoining area on Right Flank of River Indus. | 1100 | 705.50 | 4 to 5 | 1.5:1 Rivern side. |
| 10 | Guide Wall Wandha Kukranwala. | 1150 | 705.00 | 9 | N.A |
| 11 | Solid Stone Stud = 9 No. for Protection of Villages of Tehsil Isa Khel. | 2 No. = 115' each, 3 No.= 145' Each 4 No. = 40 each | 675.00 | 15 | 1:1 Both side. |
| 12 | Hokey Spur Near Village Beho Sydian. | 3585 | 686.00 | 25 | 1.5:1 Both side |
| 13 | Flood Protection Bund (i) RD:12000-19500 (ii) RD: 46000-61000 | 7500 15000 | 725.00 686.00 | 10 15 | 1.5:1 Both side 1.5:1 Both side |
| 14 | Stone Guide Wall Kas Umer Khan | 1200 | 732.50 | 12.72 | N.A |
| 15 | Divider in Nullah Broach. | 1400 | 695.00 | 10 | 2:1 Country side 1:1 Rivern side |
| 16 | Sloping Stud Nullah Broach = 7 No. | 65 each | - | 10 | 1:1 Both side. |
| 17 | Plug Bund Nullah Broach. | 500 | - | 32 | 2:1 on country sides |

NOTE: - All Guide Bunds are armored with stone pitching where as Marginal Bunds are made of local earth. Metalled Road (Mianwali-Bannu) has been constructed on Right Marginal Bund. After construction of Jinnah Hydro Power, alignment of Right Marginal Bund has been changed between RD. 0+200 to RD. 4+000. Strengthening and raising of Left Marginal Bund has been completed under Jinnah Barrage Rehabilitation & Modernization Project.

2.2 LOCATION MAP OF TRAINING WORKS

Location of River Training Works at the Barrage is marked on index plan of Jinnah Barrage attached.

CHAPTER-3

BRIEF HISTORY OF PAST FLOOD EVENTS

Jinnah Barrage was constructed during 1943 and commissioned in 1946. It consists of weir, left under sluice and right under sluice. It was designed for 9,50,000 cusec and ultimate capacity was 11,00,000 cusec. Since its construction, the maximum discharge passing through Jinnah Barrage on 30-07-2010 was 10,87,000 cusec.

About 9,37,000 cusec passed through Barrage and 1,50,000 cusec through breaching section.

Left Guide Bund U/S of the Barrage was washed away in Super Flood 2010 which was restored during annual Closure of January, 2011 as per original design. The Breaching Section of Right Marginal Bund was operated during the Super Flood 2010 which was immediately restored after passing of flood.

During flood season 2014, maximum discharge of 249992 cusecs passed through the Barrage on July, 25, 2014. During the flood season 2014, River Indus flow remained in normal stage. During the flood season 2015, high flood of 529080 Cs: successfully passed from Jinnah Barrage on 02.08.2015. During flood season 2016, low flood of 351490 Cs successfully passed from Jinnah Barrage on 05-07-2016. During flood season 2017, peak discharge of 419460 Cs: passed successfully from Jinnah Barrage on 03.08.2017.

PAST FLOODS AT JINNAH BARRAGE

Histogram of past floods at Jinnah Barrage is given below:

| Year | Date | U/s gauges | D/s gauges | D/s discharge | Remarks |
|------|-------------|------------|------------|---------------|---------|
| 1947 | 09/08/1947 | 690.20 | 686.0 | 526799 | Medium |
| 1948 | 14/08/1948 | 691.45 | 690.65 | 769262 | High |
| 1949 | 20/07/1949 | 689.95 | 689.6 | 698166 | High |
| 1950 | 02/08/1950 | 691.25 | 690.75 | 743757 | High |
| 1951 | 12/08/1951 | 690.80 | 688.95 | 445973 | Medium |
| 1952 | 21/07/1952 | 691.50 | 688.90 | 463038 | Medium |
| 1953 | 12/07/1953 | 692.05 | 691.25 | 689661 | High |
| 1954 | 03/08/1954 | 691.50 | 686.3 | 416768 | Medium |
| 1955 | 19/08/19955 | 692.10 | 687.75 | 520622 | Medium |
| 1956 | 18/07/1956 | 691.90 | 688.15 | 566657 | Medium |
| 1957 | 20/07/1957 | 691.60 | 687.2 | 443088 | Medium |
| 1958 | 16/07/1958 | 693.30 | 690.4 | 776311 | High |
| 1959 | 04/07/1959 | 692.00 | 688.4 | 598304 | Medium |
| 1960 | 13/07/1960 | 692.00 | 689.1 | 529400 | Medium |
| 1961 | 30/07/1961 | 692.00 | 688.3 | 523144 | Medium |
| 1962 | 22/07/1962 | 692.00 | 685.55 | 422239 | Medium |
| 1963 | 31/07/1963 | 692.10 | 687.1 | 463718 | Medium |
| 1964 | 16/07/1964 | 691.60 | 690 | 555933 | Medium |
| 1965 | 27/07/1965 | 691.20 | 687.9 | 466850 | Medium |

| Year | Date | U/s gauges | D/s gauges | D/s discharge | Remarks |
|-------------|-------------|-------------------|-------------------|----------------------|--------------------|
| 1966 | 26/06/1966 | 691.50 | 689.2 | 500099 | Medium |
| 1967 | 30/07/1967 | 692.00 | 688.85 | 541835 | Medium |
| 1968 | 15/08/1968 | 692.00 | 687.05 | 476166 | Medium |
| 1969 | 13/08/1969 | 692.0 | 687.2 | 465346 | Medium |
| 1970 | 13/08/1970 | 692.50 | 685 | 408067 | Medium |
| 1971 | 29/06/1971 | 692.50 | 686.25 | 428431 | Medium |
| 1972 | 20/07/1972 | 692.50 | 686.3 | 397700 | Low |
| 1973 | 30/08/1973 | 692.50 | 689.2 | 545917 | Medium |
| 1974 | 02/08/1974 | 693.00 | 685.7 | 373854 | Low |
| 1975 | 02/08/1975 | 692.60 | 689.1 | 602541 | High |
| 1976 | 02/08/1976 | 693.00 | 690.7 | 861965 | Exceptionally High |
| 1977 | 17/07/1977 | 692.50 | 688.25 | 574391 | High |
| 1978 | 06/08/1978 | 692.50 | 689 | 639790 | High |
| 1979 | 10/08/1979 | 692.50 | 684.65 | 456840 | Medium |
| 1980 | 26/08/19s80 | 692.50 | 683.7 | 331197 | Low |
| 1981 | 03/07/1981 | 692.50 | 683.8 | 369944 | Low |
| 1982 | 17/08/1982 | 692.50 | 684.8 | 474231 | Medium |
| 1983 | 04/09/1983 | 692.50 | 685.2 | 499793 | Medium |
| 1984 | 15/08/1984 | 692.50 | 683.9 | 491280 | Medium |
| 1985 | 02/08/1985 | 692.50 | 682.1 | 313340 | Low |
| 1986 | 05/08/1986 | 692.50 | 684.3 | 471073 | Medium |
| 1987 | 28/07/1987 | 692.50 | 683.3 | 351268 | Low |
| 1988 | 02/08/1988 | 692.50 | 684.3 | 598303 | Medium |
| 1989 | 01/08/1989 | 692.50 | 685.65 | 557811 | Medium |
| 1990 | 10/08/1990 | 692.50 | 685.1 | 546260 | Medium |
| 1991 | 15/07/1991 | 692.50 | 682.8 | 445847 | Medium |
| 1992 | 10/09/1992 | 692.50 | 688.4 | 846040 | Exceptional High |
| 1993 | 23/07/1993 | 692.50 | 680.6 | 355569 | Low |
| 1994 | 13/07/19994 | 692.50 | 683.4 | 491375 | Medium |
| 1995 | 27/07/1995 | 692.50 | 684 | 544663 | High |
| 1996 | 16/08/1996 | 692.50 | 682 | 441410 | Medium |
| 1997 | 28/08/1997 | 692.00 | 684.9 | 654179 | Very High |
| 1998 | 14/07/1998 | 692.50 | 682.1 | 473221 | Medium |
| 1999 | 10/08/1999 | 692.50 | 682.1 | 456146 | Medium |
| 2000 | 02/08/2000 | 692.50 | 678.3 | 261141 | Low |
| 2001 | 24/07/2001 | 693.00 | 681.7 | 412238 | Medium |
| 2002 | 14/08/2002 | 693.00 | 681.3 | 395589 | Medium |
| 2003 | 03/08/2003 | 692.50 | 683 | 399352 | Medium |
| 2004 | 11/07/2004 | 693.00 | 679.7 | 245067 | Low |
| 2005 | 02/07/2005 | 693.00 | 685.8 | 515073 | High |
| 2006 | 06/08/2006 | 692.50 | 684.50 | 489606 | Medium |
| 2007 | 16/08/2007 | 693.00 | 682.10 | 359912 | Low |
| 2008 | 05/08/2008 | 693.00 | 681.00 | 336530 | Low |
| 2009 | 17/08/2009 | 693.50 | 681.20 | 348320 | Low |
| 2010 | 30/07/2010 | 695.50 | 690.10 | 937453 | Super flood |
| 2011 | 26/07/2011 | 692.50 | 668.80 | 306983 | Low |
| 2012 | 18/07/2012 | 693.00 | 679.65 | 277027 | Low |
| 2013 | 13/08/2013 | 692.50 | 682.50 | 472303 | Medium |
| 2014 | 25/07/2014 | 694.00 | 681.00 | 249992 | Normal |

| Year | Date | U/s gauges | D/s gauges | D/s discharge | Remarks |
|------|------------|------------|------------|---------------|---------|
| 2015 | 02/08/2015 | 692.00 | 685.40 | 529080 | High |
| 2016 | 05/07/2016 | 693.00 | 681.80 | 351490 | Low |
| 2017 | 03/08/2017 | 693.00 | 681.95 | 419460 | Medium |

CHAPTER-4

DESIGNED DATA, HISTORIC PEAK FLOOD DATA AND PREVIOUS YEAR FLOOD DATA OF HEAD WORKS / BARRAGES AND OR OTHER CONTROL POINTS

DESIGNED DATA OF JINNAH BARRAGE

A. GENERAL DATA OF HEADWORKS

- 1.1 River U/S of Weir
- i) Design Discharge = 9,50,000 Cs
 - ii) Ultimate Capacity. = 11,00,000 Cs
 - iii) Pond level to feed canal with 7500 Cs: discharge = 692.00
 - iv) Pond level to feed canal with 9, 000 Cs: discharge = 694.00
 - v) Highest flood level in 1929 (before construction of barrage) = 693.00
 - vi) Highest flood level of Super flood 2010 (RD: 5+000 LMB) = 701.30
 - vii) Assumed maximum H.F.L. = 701.30
 - viii) Assumed lowest water level D/S = 674.00

B. WATER WAY

- Length of Barrage between the abutments: -
- 55 Spans of 60' each = 3300 ft.
 - 1 Span of = 33 ft.
 - 1 lock channel = 20 ft.
 - 54 Piers of 7 ft. each = 378 ft.
 - 2 Divide walls and fish ladders 25' each = 50 ft.
- Total = 3781 ft.
- Water way including lock channel = 3353 ft.

C. WEIR

- i) No of bays = 42 of 60 ft.
Clear span
- ii) Crest level = 678.00
- iii) U/S floor level = 673.00
- iv) U/S curtain level of bottom = 663.00
- v) D/S floor level = 670.00
- vi) Pile line under D/S floor bottom RL = 656.00
- vii) Crest width = 6.00 ft.
- viii) U/S glacis = 1 in 4
- ix) D/ S glacis = 1 in 3
- x) Length of impermeable floor U/S and D/S = 140.00 ft.
- xi) U/S blocks protection = 11.00 ft.
- xii) U/S loose stone protection = 25.00 ft.
- xiii) D/S blocks protection = 60.58 ft.
- xiv) D/S loose stone protection = 40.00 ft.
- xv) Height of gates = 19.00 ft.

D. SUB-WEIR

| | | |
|-------|--|-------------|
| i) | Crest level (Central Portion) | = 675.00 ft |
| ii) | Crest level (Left & Right under sluices) | = 674.00 ft |
| iii) | Elevation of u/s floor (ft) (Central Portion) | = 670.00 ft |
| iv) | Elevation of u/s floor (ft) (Left & Right under sluices) | = 667.00 ft |
| v) | Elevation of d/s floor (ft) (Central Portion) | = 662.00 ft |
| vi) | Elevation of d/s floor (ft) (Left & Right under sluices) | = 662.00 ft |
| vii) | Length of U/S floor (ft) | = 20 |
| viii) | Thickness of u/s floor (ft) | = 2 ft |
| ix) | Slope of u/s Glacis | = 2 ft |
| x) | Slope of d/s Glacis | = 2H : 1V |
| xi) | Crest width (ft.) | = 4 ft |
| xii) | Crest thickness (ft.) | = 3 ft |

E. UNDER SLUICES

| | | |
|--------|---|--------------|
| i) | Left 7 bays of 60' each | |
| ii) | Right 6 bays of 60' each one bay 33' and one lock channel 20' clear | |
| iii) | Crest level | = 675.00 |
| iv) | U/S Glacis | = 1 in 4 |
| v) | D/S Glacis | = 1 in 3 |
| vi) | U/S Floor level | = 670.00 |
| vii) | U/S curtain wall, RL of bottom | = 660.00 |
| viii) | D/S floor level | = 667.00 |
| ix) | Pile line under Toe of D/S floor Bottom R.L. | = 653.00 |
| x) | Crest width | = 6.00 ft. |
| xi) | Length of pacca floor | = 150.00 ft. |
| xii) | U/S loose stone protection | = 30.00 ft. |
| xiii) | U/S blocks protection | = 16.50 ft. |
| xiv) | D/S blocks protection | = 63.50 ft. |
| xv) | D/S loose stone protection | = 50.00 ft. |
| xvi) | Height of gates | = 22.00 ft. |
| xvii) | Road width | = 20.00 ft. |
| xviii) | Road R.L | = 706.36 |
| xix) | Overhead Bridge, width of Decking | = 8.00 ft. |
| xx) | Overhead Bridge, R.L. | = 736.30 |

E. FISH LADDER

| | | |
|------|------------------------|-------------|
| i) | Clear span | = 11.00 ft. |
| ii) | Crest R.L. | = 684.00 |
| iii) | Length of pacca floor | = 237.00 |
| iv) | Length of divided wall | = 731.00 |
| v) | Top R.L. U/S | = 702.00 |
| vi) | Top R.L. D/S | = 693.00 |

F. SILT EXCLUDER

| | | |
|------|-----------------------|--|
| i. | No. of tunnels | = 8 (4 in each bay No. 1 & 2 of Under sluice) |
| ii. | Clear span | = 13.50 ft. |
| iii. | Thickness of pier | = 3.00 ft |
| iv. | Bottom of floor level | = 675.00 |
| v. | Top of slab | = 683.00 |
| | | (Level with Head Regulator crest) |
| vi. | Overall width of slab | = 132.0 ft. |

G. HEAD REGULATOR OF THAL CANAL

| | | |
|----------------|-----------------------------|--------------------------------|
| i) | No. of span | = 7 No of 24 ft. Clear span |
| ii) | Thickness of pier | = 5 ft. |
| iii) | Crest R.L. | = 683.00 |
| XEN/KBG | | |
| iv) | Length of crest | = 30 ft. |
| v) | Total length of pacca floor | = 85 ft. |
| vi) | D/S block protection | = 100 ft. |
| vii) | D/S stone filling | = 30 ft. |
| viii) | Bottom of breast wall | = 694.00 |
| ix) | Top of breast wall | = 706.00 |
| x) | Clear road way | = 25 ft. |
| xi) | Road R.L. | = 706.15 |

H. SILT EJECTORS

| Sr. No | Silt Ejectors | RD-600 | R.D. 835 | R.D. 1250 | R.D. 2100 |
|--------|----------------------|---------|----------|-----------|-----------|
| i) | No of 8 feet bays | 4 | 2 | 2 | 2 |
| ii) | U/S Bed R.L. | 682.83 | 682.00 | 681.50 | 682.000 |
| iii) | D/S Bed R.L. | 682.00 | 681.50 | 681.00 | 680.65 |
| iv) | Top of slab | 682.83 | 682.00 | 681.50 | 681.00 |
| v) | Floor Bed of Tunnels | 678.00 | 677.37 | 676.87 | 676.37 |
| vi) | Height of gates | 4.0' | 4.0' | 4.0' | 4.0' |
| vii) | Size of orifice | 2,x1 | 2'x1 | 2'x1 | 2'x1 |
| viii) | Discharge. | 480 Cs. | 240 Cs. | 240 Cs. | 240 Cs. |

4.1-a FLOOD LIMITS OF RIVER INDUS AT JINNAH BARRAGE

Limits of flood fixed by the Punjab Flood Commission are as under:-

| | | |
|--------------------------|---|----------------------|
| Normal. | = | Up to 2.5 Lac Cs. |
| Low Flood. | = | 2.5 to 3.75 Lac Cs. |
| Medium Flood. | = | 3.75 to 5.0 Lac Cs. |
| High Flood | = | 5.0 to 6.50 Lac Cs. |
| Very High Flood. | = | 6.50 to 8.0 Lac Cs. |
| Exceptionally high flood | = | 8.00 to 9.50 Lac Cs. |
| Super flood | = | above 9.50 Lac Cs. |

4.1-b FLOOD LIMITS OF RIVER KURRAM AT DARRA TANG

Limits of flood fixed by the Punjab Flood Commission are as under:-

| | | |
|--------------|---|-----------|
| Low Flood | = | 40000 Cs. |
| Medium flood | = | 60000 Cs. |
| High flood | = | 75000 Cs. |

4.2 TIME LAGS OF FLOODS

| DISTANCE | TIME LAG |
|---|----------|
| From Tarbela to Attock = 32 KM. | 2 Hours |
| From Attock to Jinnah Barrage = 168 KM. | 24 Hours |
| From Jinnah Barrage to Chashma Barrage = 59 KM. | 8 Hours |
| From Chashma Barrage to Taunsa = 237 KM. | 60 Hours |

4.3 HIGHEST FLOODS AT JINNAH BARRAGE

Histogram of highest floods at Jinnah Barrage is given below:

| Year | Date | U/s gauges | D/s gauges | D/s discharge | Remarks |
|------|-----------|---|------------|---------------|--------------------|
| 1948 | 14/8/48 | 691.45 | 690.65 | 769262 | Very high |
| 1949 | 20/7/49 | 689.95 | 689.60 | 698166 | Very high |
| 1950 | 2/8/50 | 691.25 | 690.75 | 743757 | Very high |
| 1953 | 12/7/53 | 692.05 | 691.25 | 689661 | Very high |
| 1958 | 16/7/58 | 693.30 | 690.40 | 776311 | Very high |
| 1976 | 2/8/76 | 693.00 | 690.70 | 861965 | Exceptionally High |
| 1992 | 10/9/92 | 692.50 | 688.40 | 846040 | Exceptional High |
| 1997 | 28/8/97 | 692.00 | 684.90 | 654179 | Very High |
| 2010 | 30/7/2010 | 695.50 / 701.30 at Critical Gauge RD:5+000 | 690.10 | 937453 | Super flood |

4.4 PEAK DISCHARGE

| Year | Date | U/s gauges | D/s gauges | D/s discharge | Remarks |
|------|------------|---|------------|---------------|-------------|
| 2003 | 03/08/2003 | 692.50 | 683 | 399352 | Medium |
| 2004 | 11/07/2004 | 693.00 | 679.7 | 245067 | Low |
| 2005 | 02/07/2005 | 693.00 | 685.8 | 515073 | High |
| 2006 | 06/08/2006 | 692.50 | 684.50 | 489606 | Medium |
| 2007 | 16/08/2007 | 693.00 | 682.10 | 359912 | Low |
| 2008 | 05/08/2008 | 693.00 | 681.00 | 336530 | Low |
| 2009 | 17/08/2009 | 693.50 | 681.20 | 348320 | Low |
| 2010 | 30/07/2010 | 695.50 / 701.30 at critical gauge RD:5+000 | 690.10 | 937453 | Super flood |

| | | | | | |
|------|------------|--------|--------|--------|--------|
| 2011 | 26/07/2011 | 692.50 | 668.80 | 306983 | Low |
| 2012 | 18/07/2012 | 693.00 | 679.65 | 277027 | Low |
| 2013 | 13/08/2013 | 692.50 | 682.50 | 472303 | Medium |
| 2014 | 25/07/2014 | 694.00 | 681.00 | 249992 | Normal |
| 2015 | 02/08/2015 | 692.00 | 685.40 | 529080 | High |
| 2016 | 05/07/2016 | 693.00 | 681.80 | 351490 | Low |
| 2017 | 03/08/2017 | 693.00 | 681.95 | 419460 | Medium |

CHAPTER-5

5.1 FLOOD FIGHTING STRATEGY FOR RIVER INDUS AT JINNAH

BARRAGE

STAGE-1

DISCHARGE FROM 3.75 LAC CS to 5.0 LAC. CS.

When river discharge ranges between these limits, watching establishment shall be deployed at the rate of one man per thousand feet. Sub Engineer, Headworks will supervise the entire watching operation of the right flank of river while Sub Engineer, Hydraulic will supervise watching of left flank. Sub Divisional Officer Headworks will act as the officer in charge of watching operation.

Establishment of workshop section comprising one fitter with 6 beldars needed for emergent rectification of gates and gearing shall remain present at the Headworks round the clock. The Sub Engineer workshop will not leave the Headworks area with out permission of S.D.O. Headworks. He will be authorized by the Divisional Officer to employ 6 seasonal coolies to make up deficiency caused by stationing six regular beldars coolies at Headworks so that normal operations do not suffer.

STAGE II

DISCHARGE FROM 5.0 LAC Cs TO 6.50 LAC Cs.

When the discharge ranges between these limits, watching establishment will be increased to three times of that provided in stage-1. Supervisory staff shall be the same as in stage 1. Additionally, Sub Engineer, Workshop will shift his headquarter at the Headworks will also be available at the Barrage to assist the operation of gates.

STAGE III

DISCHARGE FROM 6.50 LAC Cs TO 8.0 LAC Cs.

Watching establishment shall be increased to six times than that of stage-1. All establishment of Headworks Sub Division and equal work charge establishment shall be engaged to the Barrage and deployed as detailed below:-

Sub Divisional Officer Headworks Sub Division will be the officer in-charge of watching operation on the left and right flanks. Overall supervision of all operations will be done by the Executive Engineer. Sub Engineers of Headworks Sub Division shall supervise various reaches of the left flank as under:-

| | |
|--|--|
| Sub Engineer, Headworks Section | Regulation at Headworks with guide bunds U/S & D/S. |
| Sub Engineer, Colony Section | Left Marginal Bunds and Colony protection Bunds |
| Sub Engineer, Hydraulic Section. | Sub Engineer Hydraulic Section shall supervise R.M.B. R.D. 0+000 to 9+084. |
| Sub Engineer, Main Line Upper Section. | R.M.B. R.D. 6+700 to 8+700 i.e. Breaching Section & Tie Bund. |

STAGE IV

DISCHARGE EXCEEDING 8.0 LAC CS.

At this stage, volunteer labours brought by civil administration and Army will help the watching operation. Police guards will be deputed on vulnerable points such as junction points of Canal Colony Protection Bund and Left Marginal Bund to guard against any mishap/sabotage. Overall supervision of all operations will be done by the Executive Engineer. Sub Divisional Officer Headworks Sub Division will be the officer in-charge of watching operation on the left / right flanks, operation of gates, LMB, RMB (U/S & D/S), liaison with other departments. Sub Engineers of Headworks Sub Division shall supervise various reaches of the left/right flank. The regulation staff will be under the supervision of SDO and Sub Engineer Headworks and operation will be carried out as per operation manual under the over all supervision of XEN. The others support staff will also be assigned duties mentioned in chapter 9. Sub Divisional Officer Tubewell Sub Division will also available at the barrage to assist the operators.

5.2 FLOOD FIGHTING STRATEGY FOR RIVER KURRAM D/S DARRA TANG BRIDGE

STAGE I

DISCHARGE BETWEEN 40000 Cs. TO 60000. Cs.

The low flood starts from 40000 Cs. and this stage covers a discharge up to 60000 Cs. The river training works like Protection Bunds, Stone Studs and Hockey Spur have been constructed on left bank of River Kurram. Hence work charged establishment for watching during flood season will be required.

STAGE II

DISCHARGE BETWEEN 60000 Cs. TO 75000. Cs

When river discharge ranges between these limits, watching establishment shall be deployed at the rate of 2- beldars for each spur for 24 hours. The Sub Divisional Officer Tubewell Sub Division and Sub Engineer Kas Umer Khan Canal System will handle for each and every aspect of flood in River Kurram.

CHAPTER-6

FLOOD DAMAGES RESTORATION WORKS

The detail of flood damages restoration works are as under:-

| Sr. No. | Name of work | Remarks |
|---------|--|---|
| 1. | ADP Schemes for Channelization of Nullah Broach, Chichali Nullah, Jabba Nullah, Rakka & Darsola Nullah. | Both schemes involve flood protection works aiming to protect the lives and properties of the inhabitants of District Mianwali. |
| 2. | Protection of Abadies of Left Bank Village Dhup Sari, Hindalwala and Sultan Wala from Erosive Action of Indus River Tehsil & District Mianwali. | 85% work completed now work stopped by PRO (Hyd), Research Institute, Lahore due to construction of CPEC road upstream Dhup Sari village. |
| 3. | Protection of Sharifabad Bund from erosive action of river Kurram in Tehsil Isakhel District Mianwali. | Physical progress 75%. Work is in progress. Carriage of stone and construction of structures under way. |
| 4. | Protection of Right Bank Village Manda Khel, Burzi Syedaan and Draz Wala from Erosive action of Indus River in Tehsil Isakhel District Mianwali. | Physical progress 35%. Work is in progress. Carriage of stone and construction of structures under way |
| 5. | Protection of Abadies of Village Khaglanwala & Karamdad Wala from erosive action of River Kurram in Tehsil Isakhel District Mianwali. | Request has been submitted vide this office letter No. 979-81/84-GIII dated 14.11.2017 to higher office for arranging funds an amount of Rs: 22.00 Million. |
| 6. | Restoration of Damaged Guide Wall at Wandha Kukranwala in Tehsil Isakhel District Mianwali. | Detail estimate amounting to Rs: 64.823 Million has been submitted for sanction and request has been submitted vide this office letter No. 979-81/84-GIII dated 14.11.2017 to higher office for arranging funds an amount of Rs: 48.00 Million. |
| 7. | Restoration of Pitching along Right Bank River Indus near Kalabagh Town. | Request has been submitted vide this office letter No. 979-81/84-GIII dated 14.11.2017 to higher office for arranging funds an amount of Rs: 10.00 Million. |
| 8. | Extension of Stud No. 6 at Beyo Syedan Bund Tehsil Isakhel District Mianwali. | Request has been submitted vide this office letter No. 979-81/84-GIII dated 14.11.2017 to higher office for arranging funds an amount of Rs: 18.00 Million. |
| 9. | Restoration / Replenishing of Damaged Apron Left Guide Bund of Jinnah Barrage. | Estimate amounting to Rs: 28.207 Million has been sanctioned. Tender under process. |

CHAPTER-7

FLOOD FIGHTING / WATCHING ARRANGEMENTS

During floods, Sub Divisional officers, in absence of Executive Engineer should not hesitate to adopt protective measures for the safety of the Bunds and Head Works in real emergency, under intimation to higher hierarchy, through quickest means of Communication. Similarly Sub Engineers in the absence of the Sub Divisional Officer should act accordingly provided no laxity / slackness are shown by them to inform the factual position to the high ups simultaneously.

7.10 PRE FLOOD ARRANGEMENTS

During the month of June the watching establishment will work for making pre-flood arrangements till the river spills out.

For flood bunds in the 2nd defence line the same pre-flood arrangements shall continue through out the flood season unless any of these bunds come under action.

Flood watching material is arranged in ample quantities. Particular care is to be taken to ensure that adequate quantity of the required material is distributed and placed at all the watching huts especially at all vulnerable sites and that all the articles and materials are in good condition. The scale of watching material is given in duty roster.

The Sub Engineers inspect all the bunds under his charge on foot. They walk along the river side toe of the bund and locate the rat or porcupine holes on the slope and get it opened, refilled and compacted in his presence. Similarly SDO Headworks inspect all the vulnerable reaches of the bunds on foot and acts in similar manner. Executive Engineer also personally watches certain reaches of the bunds while walking to ensure that no rat / porcupine hole is left un-attended. Moreover, SDO SCADA will inspect/check all instruments of SCADA system alongwith the concerned Sub Engineers. SDO SCADA is directly incharge of instrumentation, SCADA and associated components. He will ensure the maintenance and upkeeping of the overall SCADA and instrumentation system in order to ensure accurate and smooth operation during the normal and particularly in flood season.

The SDO Headworks will personally check that:

- All lamps, patromax, actuator and torches, kassies and baskets etc. are in good working condition and lightening arrangements at important points of the Head works and at vulnerable reaches of the bunds are satisfactory.

- Adequate arrangements are made for communication of urgent messages from any part of the bund or spur to the Executive Engineer in case of any emergency. If there is no telephonic, telegraphic or wireless link, special messenger will be kept ready at all time for this purpose.
- The entire watching establishment is properly trained. Dry rehearsals for flood fighting by the end of June is carried out and any shortcomings noticed will immediately be got rectified.

During pre-flood period, the watching staff is engaged on the following works:-

- iv. All jungle growth from the outer and inner toe of all bunds up to five feet width will be cleared.
- v. Rats/porcupines, and other burrowing animals will be finished through fumigation and closing their holes after opening and puddling them thoroughly.
- vi. Repairing temporary watching huts.

7.11 WATCHING ESTABLISHMENT

Sufficient work charge establishment will be engaged for the flood season period. The sole purpose to hire the work charge establishment is to combat any untoward incident during the flood season. Establishment will be deployed at the sensitive sites of the Headworks Division. This Division has already conducted interviews for the work charge establishment and, if any case, interview may be conducted again following the procedure under rules.

The scale of watching establishment, in addition to regular establishment will be as under.

- i. During medium flood, strength of establishment will be deployed as per detail given in the duty roster in Chapter 9.
- ii. During high flood, strength will be increased by 2 times.
- iii. During exceptionally high flood, strength of man power will be increased by 3 times.
- iv. During Super Flood strength of man power will be at the discretion of Executive Engineer, Kalabagh Headworks Division.

7.12 ARRANGEMENTS AT SENSITIVE SITES

In all vulnerable reaches / sites such as R.D. 0+000 to RD 1+000 of L.M.B, RD 4+000 to 6+000 and RD 10+800 to RD 11+730 of Colony Protection Bund, gang of 10 beldars and one mate will be available round the clock when river rises above low flood level. A gang of 10 beldars including 2 mates will remain vigilant at newly constructed Left Guide Bund. Junction point of LMB/LGB will be focused even in low flood till the end of flood season. A reason able quantity of machinery will be readily available at this place through out the flood season to combat any sort of emergency.

CURRENT STATUS OF RESERVE STOCK OF STONE

Status of reserve stock of stone on every structure is as under:-

| Sr.# | Name of Structure | Sanctioned Quantity | Available Quantity | Remarks |
|------|--------------------------------------|----------------------|----------------------|--|
| 1 | Left Guide Bund | 2.50 Lac Cft: | 2.086 Lac Cft: | 1.970 Lac Cft: stone is further required to meet the sanctioned reserve stock stone limit. |
| 2 | Right Guide Bund U/S | 2.50 Lac Cft: | 1.063 Lac Cft: | |
| 3 | Right Guide Bund D/S | -- | 0.116 Lac Cft: | |
| 4 | Left Marginal Bund | 2.60 Lac Cft: | 1.618 Lac Cft: | |
| 5 | Right Marginal Bund | 0.20 Lac Cft: | -- | |
| 6 | T-Head Spur | 0.10 LacCft: | -- | |
| 7 | Plate Form Left Side Jinnah Barrage. | -- | 1.047 Lac Cft: | |
| | Total:- | 7.90 Lac Cft. | 5.93 Lac Cft. | |

7.13 WATCHING MATERIAL

As per previous practice, conventional articles required for flood fighting, detailed are as follows. In addition to this, provision of stand by machinery is made in view of experience of super flood 2010.

| Sr. No. | Name of Articles | Unit | Qty: Required | Qty: Available | Qty: Balance | Remarks |
|---------|--------------------------------------|------|---------------|----------------|--------------|--|
| 1 | Torch Electric Charges. | No. | 10 | - | 10 | Balance quantity of flood watching material will be purchased during the month of May, 2018. |
| 2 | Lanterns | No. | 200 | - | 200 | |
| 3 | Sodium Lights. | No. | 100 | 20 | 80 | |
| 4 | Gas lamps. | No. | 8 | - | 8 | |
| 5 | Mantles. | No. | 70 | - | 70 | |
| 6 | Three cell torches. | No. | 26 | 6 | 20 | |
| 7 | Gunny bags | No. | 450 | 250 | 200 | |
| 8 | Plastic bags | No. | 1250 | 1050 | 200 | |
| 9 | Axes. | No. | 20 | 10 | 10 | |
| 10 | Kassies with handle. | No. | 130 | 100 | 30 | |
| 11 | Wooden Killas. | No. | 500 | 50 | 450 | |
| 12 | Basket. | No. | 200 | 15 | 185 | |
| 13 | Manila rope | Rft | 700 | 200 | 500 | |
| 14 | Portable generator with accessories. | No. | 5 | 1 | 4 | |
| 15 | Shovels | No. | 80 | 40 | 40 | |
| 16 | Shouldaries. | No. | 2 | - | 2 | |
| 17 | Handle for kassies. | No. | 50 | - | 50 | |
| 18 | Patha munj ban/Tarangars | No. | 300 | - | 300 | |
| 19 | Boat. | No. | 3 | 2 | 1 | |
| 20 | Tractor with trolley | No. | 4 | - | 4 | |

| Sr. No. | Name of Articles | Unit | Qty: Required | Qty: Available | Qty: Balance | Remarks |
|---------|---------------------------|--------|---------------|----------------|--------------|--|
| 21 | Excavator | No. | 2 | - | 2 | Balance quantity of flood watching material will be purchased during the month of May, 2018. |
| 22 | Charpai. | No. | 6 | 2 | 4 | |
| 23 | Plastic chairs | No. | 30 | 10 | 20 | |
| 24 | Tables | No. | 6 | 1 | 5 | |
| 25 | Briefing Board with stand | No. | 1 | - | 1 | |
| 26 | Cell for Torches | Doz. | 20 | - | 20 | |
| 27 | Energy Savers | No. | 100 | - | 100 | |
| 28 | Funnels | No. | 10 | - | 10 | |
| 29 | Life Jacket | No. | 28 | 26 | 2 | |
| 30 | Match Boxes | Doz. | 10 | - | 10 | |
| 31 | Rain Coats | No. | 50 | - | 50 | |
| 32 | Sutli | Kg. | 30 | - | 30 | |
| 33 | Switch / Plugs | No. | 20 | - | 20 | |
| 34 | Umbrella | No. | 10 | 5 | 5 | |
| 35 | Wicks | Doz. | 10 | - | 10 | |
| 36 | Wires 7/0.029" | Meter. | 1500 | - | 1500 | |
| 37 | Wooden Boards 10x12 | No. | 20 | 3 | 17 | |
| 38 | Wooden Hammers | No. | 5 | 5 | - | |
| 39 | M. Oil | Liter. | 100 | - | 100 | |
| 40 | Petrol | Liter. | 1000 | - | 1000 | |
| 41 | Diesel | Liter. | 2000 | - | 2000 | |
| 42 | Kerosene Oil | Liter. | 200 | - | 200 | |

7.14 ARRANGEMENT FOR SOUNDING AND PROBING

For every spur site and vulnerable location, the arrangements made for sounding/probing are as follows:

| <u>Sr: #.</u> | <u>Items</u> |
|---------------|---------------------------|
| 1. | 1 large boat with boatman |
| 2. | 1 small boat with boatman |
| 3. | 2 Helpers to boatman |
| 4. | 2 sounders per boat |

Boats with boatmen are available at Jinnah Barrage & can easily be used as & when require.

7.15 LIGHTING ARRANGEMENT

Sufficient stock of dry cell torches, lanterns and patromaxes etc. will be kept available in the emergency stores. Mobile Generating Set shall be arranged at vulnerable points. Sub Engineer, Headworks assisted by electricians will be responsible to keep these items in working condition.

7.16 RATION ARRANGEMENT

The establishment and supervisory staff will make their own food arrangement. Deputy Commissioner Mianwali and District Food Controller, Mianwali will be requested to keep a reserve stock of the articles at Jinnah Barrage/Canal Colony Daudkhel for supply to the labourers whenever a flood emergency occurs.

1. Wheat Flour (Atta) 10 Maunds, per week of emergency period
2. Gur, 10 Maunds per week of emergency period
3. Onions 2 Maunds per week emergency period
4. Sugar 5 Maunds per week of emergency period
5. Rice 10 Maunds per week of emergency period

7.17 POL ARRANGEMENTS FOR VEHICLES

2 No Petrol Pump (one at Kot Chandna right side of river and other at RD 10+800 Thal Main Line Upper left side of river) are located at the distance of 3 km from Barrage. Supply order will be placed on start of flood season. However material will be brought to site on need basis. Overall contents of POL proposed are under:

- | | | | |
|----|--------------|---|-------------|
| 1. | Petrol | = | 1000 Litres |
| 2. | Diesel | = | 2000 Litres |
| 3. | Kerosene Oil | = | 500 Litres |

7.18 TRANSPORTATION ARRANGEMENTS

Kalabagh Division has two vehicles and one Tractor with Trolley. During emergency, 3 Pick-Up will be hired on receipt of information of discharge above the range of low flood. During acute emergency, D.C Mianwali and DPO Mianwali will be requested to arrange vehicles as per requirements.

7.19 LAW AND ORDER

Law and order situation may arise if a breach occurs in any of the flood retaining embankment (God forbid). In such a situation, Civil Administration and Police shall provide the necessary cover.

7.20 MEDICAL ARRANGEMENT FOR LABOUR

District Health Officer, Mianwali will set up a mobile dispensary on the Barrage with sufficient medical staff and medicines required against epidemics, snake bites, cholera, Dysenteries etc. In case of any eventuality, a mobile dispensary shall be kept on wheels at short notice. Executive Engineer, Headworks Division Daudkhel will inform Civil Administration as well as District Health Officer in such case.

7.21 LIAISON WITH OTHER DEPARTMENTS

Executive Engineer, Kalabagh Headworks Division, and Sub Divisional Officers, Head works Sub Division will keep liaison with their counter parts in other Departments. Higher Authorities of other Departments will be approached if needed through Director Technical, PMO Barrages Lahore. At site, Sub Engineer Headworks and Sub Engineer, Hydraulics will coordinate inspections of visiting officers of Civil and Army if no other higher officer is available at spot.

7.22 ROLL OF THE ARMY

In case of extreme emergency, on request by Executive Engineer, the Deputy Commissioner, Mianwali shall be obliged to call the Army for immediate help and rescue. It is also appropriate to ask for 100 Army men to station at the Barrage as and when discharge exceeds 6.50 Lac Cusecs.

7.23 DUTIES OF TELEPHONE ATTENDANT AND SIGNALLERS

Telephone & Telegraph office is located in the Canal Colony, Daudkhel and in Canal Colony Mianwali. Telegraph Office at canal colony Daudkhel is facilitated with PTCL wireless No. 0459-388036. Telephone Attendants and Signallers shall be available round the clock in order to collect and provide information regarding flood situation.

7.24 COMMUNICATION/WIRELESS ARRANGEMENTS

All concerned officers and officials will be facilitated with PTCL V mobile sets and cell phones. This arrangement will be ensured before onset of forth coming flood. All the official vehicles are also equipped with the mobile /wireless sets. These units will help the officers while on tour to remain in touch with flood situation.

CHAPTER-8

DETAIL OF ENCROACHMENT

There is no encroachment along flood works of Kalabagh Headworks Division Daudkhel.
A certificate is added in this regard.

CERTIFICATE

It is certified that no encroachment exist on Flood Protection Works and River Training Works in the Jurisdiction of Kalabagh Headworks Division Daudkhel.

CHAPTER-9

DUTY ROSTER / FLOOD FIGHTING PROGRAM

DUTY ROSTER OF KEY PERSONAL DURING FLOOD SEASON 2018

| SITE | LENGTH ft. | STAGE-I DISCHARGE | LABOUR REQUIRED | LABOUR FOR WATCHING BE DEPUTED (PER SHIFT) | | STAGE-II DISCHARGE | LABOUR REQUIRED | LABOUR FOR WATCHING BE DEPUTED (PER SHIFT) | | STAGE-III DISCHARGE | LABOUR REQUIRED | ESTABLISHMENT TO BE DEPUTED (PER SHIFT) | | | | STAGE-IV DISCHARGE EXCEEDING 8-LAC Cs. |
|--|------------|---------------------------|-------------------|--|--------|--------------------------|-----------------|--|--------|--------------------------|-----------------|---|--------------|------|--------|--|
| | | | | MATE | BELDAR | | | MATE | BELDAR | | | SDO | SUB ENGINEER | MATE | BELDAR | |
| Left Guide Bund U/S | 4099 | 3.75 lac Cs to 5.0 lac Cs | 1-Man per 1000-Ft | - | 5 | 5.0 lac Cs to 6.0 lac Cs | Two times | 1 | 10 | 6.0 lac Cs to 8.0 lac Cs | Three times | SDO H/W | SEN H/W | 2 | 15 | Establishment will be deputed as per stage-III |
| Left Guide Bund D/S | 1522 | | | - | 1 | | | - | 2 | | | SDO H/W | SEN H/W | - | 3 | |
| Right Guide Bund U/S | 1761 | | | - | 5 | | | - | 10 | | | SDO H/W | SEN H/W | 2 | 15 | |
| Right Guide Bund D/S | 1957 | | | - | 1 | | | - | 2 | | | SDO H/W | SEN H/W | - | 3 | |
| Left Marginal Bund U/S | 7410 | | | 1 | 7 | | | 2 | 14 | | | SDO H/W | SEN CC | 3 | 21 | |
| Right Marginal Bund | 9084 | | | 1 | 7 | | | 2 | 14 | | | SDO H/W | SEN MLU | 3 | 21 | |
| T-Head Spur off taking at RD. 6+500 RMB. | 4820 | | | 1 | 5 | | | 1 | 10 | | | SDO H/W | SEN MLU | 2 | 15 | |
| Canal Colony Protection Bund | 11730 | | | 1 | 5 | | | 2 | 10 | | | SDO H/W | SEN CC | 2 | 15 | |

CHAPTER-10

EMERGENCY TELEPHONE NUMBERS

| S.# | Name of post/Designation | Station/ Headquarter | Telephone No. | | |
|-----|--|-------------------------|---------------|--------------|--------------|
| | | | Office | Residence | Mobile |
| 1 | Superintending Engineer, Thal Circle | Mianwali. | 0459/920181 | 0459/920183 | |
| 2 | Executive Engineer, Kalabagh Headworks | Daudkhel | 0459/813658 | 0459/813658 | 0306-1273922 |
| 3 | Sub Divisional Officer, Headworks | Daudkhel | 0334-6316879 | - | 0334-6316879 |
| 4 | Sub Divisional Officer, Tubewell | Daudkhel | 0345-4920391 | - | 0345-4920391 |
| 5 | Sub Divisional Officer, Kundian | Kundian | 0459/242544 | - | |
| 6 | Deputy Commissioner, | Mianwali. | 0459/234300 | 0459/232595 | |
| 7 | Project Director Chashma Barrage | Chashma Barrage | 0459 /41289 | 0459 /41289 | |
| 8 | Canal Telephone Officer | Mianwali. | 0459 /920130 | 0459 /920130 | |
| 9 | Canal Telephone Officer | Daudkhel | 0459 /388036 | 0459 /388036 | |
| 10 | Assistant Engineer Agriculture | Mianwali. | 0459 /233168 | - | |
| 11 | District Police Office | Mianwali. | 0459 /232704 | - | |
| 12 | Flood Emergency of D.C.O. Office | Mianwali. | - | - | |
| 13 | D.H.O. Mianwali. | Mianwali. | 0459 /232102 | - | |
| 14 | Medical Superintendent. | Mianwali. | 0459/232888 | - | |
| 15 | District Flood Controller. | Mianwali. | 0459 /233641 | - | |
| 16 | Sub Divisional officer, Telephone. | Mianwali. | 0459 /232260 | - | |

SARGODHA/LAHORE.

| | | | | | |
|----|---|----------|-----------------|-------------|--|
| 1 | Secretary Irrigation Department | Lahore | 042/99212117-18 | - | |
| 2 | Chief Engineer, Irrigation Zone, | Sargodha | 048/9230445 | 048/9230451 | |
| 3 | Flood emergency officer | Sargodha | 048/9230456 | 048/9230003 | |
| 4 | Executive Engineer Operation Irrigation | Sargodha | 048/9230446 | 048/9230003 | |
| 5 | Flood warning Center | Lahore | 042/752091-93 | - | |
| 6 | Deputy Secretary (Op) | Lahore | 042/99212126 | - | |
| 7 | Chief Engineer, Drainage & Flood. | Lahore | 042/99230602 | 042/5900049 | |
| 8 | Director Flood. | Lahore | 042/99231614 | 042/6653943 | |
| 9 | Telegraph Office | Lahore | 042/99212166 | - | |
| 10 | Director Regulation. | Lahore | 042/99212147 | - | |

MISCELLANEOUS

| | | | | | |
|---|---------------------------------------|----------|-------------|-------------|--------------|
| 1 | Executive Engineer, Mianwali Division | Mianwali | 0459/920137 | 0459/920226 | 0300-4242838 |
| 2 | Executive Engineer Bhakkar Division | Bhakkar | 0453/920016 | - | |
| 3 | Executive Engineer Layyah Division | Layyah | 0606/414015 | - | |

CHAPTER-11**STANDARD OPERATING PROCEDURE FOR BREACHING SECTION****11.1 HISTORY OF THE BREACHING SECTION**

There is an approved breaching section between RD 6+700 to RD 8+700 of Right Marginal bund. (Approved by Technical Sub Committee of Punjab Flood Commission on 9-2-1982). The critical RL for the operation of this breaching section is 701.00 on the gauge of left marginal bund at RD 5000. This breaching section had been operated on 30-07-2010 1st time since its construction. Due to operation of breaching no major loss occurred to private/public property. The water of breaching section entered back into river after traveling of about two miles D/S. Some kachi abadies / dairas likely to be effected. No regular abadi or industrial area exists on the course of water of breaching section. However metalled road from Mianwali to Bannu which built on Right Marginal Bund (breaching section) was cutoff, for 30-days. Alternate route for roads has been identified for light traffic by using Railway Bridge at Kalabagh Town, where as heavy traffic will follow the route of Chashma Barrage.

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

Up date status of explosive / accessories for flood season 2018 is as under:-

| Description. | Total Requirement | Available Quantity | Deficient Quantity | When to be arranged | Any previous pending liability |
|----------------------------------|-------------------|--------------------|--------------------|---------------------|--------------------------------|
| PE-3A (450-Gram Slab). | 4800 KG. | 4800 KG. | - | - | - |
| WABOCARD- 10 gm / mtr. | 4000 Mtr. | 4000 Mtr. | - | - | - |
| SAFETY FUSE No.11 | 1500 Mtr. | 1500 Mtr. | - | - | - |
| CABLE ELECTRIC. | 660 Mtr. | 660 Mtr. | - | - | - |
| DET NO. 8 – PLAIN (Non Electric) | 140 Nos. | 140 Nos. | - | - | - |
| WABOX 80% - 25 mm. | 9605 Kgs. | 9605 Kgs. | - | - | - |
| FIRING CABLE. | 100 Mtr. | 100 Mtr. | - | - | - |
| ELECTRIC DET NO. 08, 3 MWL. | 20 Nos. | 20 Nos. | - | - | - |
| M.S ELECTRIC DELAY DET. | 80 Nos. | 80 Nos. | - | - | - |
| BLASTING MACHINE – GERMAN. | 2 Nos. | 2 Nos. | - | - | - |

11.3 ARRANGEMENT OF EXPLOSIVES AND SECURITY OF EXPLOSIVE STORES

Explosive material is lying at Sargodha Cantt under the control of Engineers Crops 1 Kharian Cantt: and 3 Air Defense Division Sargodha Cantt. Security of explosive store has now been arranged by the Army as directed by the higher authorities.

11.4 LIST OF THE SECURITY STAFF WITH DETAIL OF THEIR TRAINING ETC.

It has been explained in preceding para.

11.5 DETAIL OF MECHANICAL MEANS AS A STAND BY ARRANGEMENTS IN CASE OF DETONATION FAILURE

During operation of Breaching Section in Super Flood 2010, it was experienced that excavator machine can be used as alternative arrangement in case of failure of detonation. Hiring of excavator machines has been provided in the list of Flood fighting material.

11.6 DUTY ROSTER IN CASE OF CRITICAL SITUATION

Arrangements as per duty roster given will be ensured in case of critical situation. Duty roster of key personal during flood season 2017 is attached (Chapter-9). In all vulnerable reaches / sites such as R.D. 0+000 to RD 1+000 of L.M.B, RD 4+000 to 6+000 and RD 10+800 to RD 11+730 of Colony Protection Bund, gang of 10 beldars and one mate will be available round the clock when river rises above low flood level. A gang of 10 beldars including 2 mates will remain vigilant at newly constructed Left Guide Bund. Junction point of LMB/LGB will be focused even in low flood till the end of flood season. A reasonable quantity of machinery will be readily available at this place through out the flood season to combat any sort of emergency.

11.7 BREACHING COMMITTEE WITH THEIR ACTION PLAN

The new breaching committee has been constituted in July 2015 vide Secretary, Irrigation Department Punjab, Lahore Notification No. SO (FLOOD) VI-33/97 dated 15.07.2015. The breaching section will be operated on the order of following committee:-

- | | | |
|----|---|-------------|
| 1. | Deputy Commissioner, Mianwali. | = Convener. |
| 2. | Executive Engineer, Kalabagh Headworks Division. | = Member. |
| 3. | Representative from C&W Department not below the rank of an Executive Engineer. | = Member. |
| 4. | Representative from Pakistan Army not below the rank of Lt. Colonel. | = Member. |

After receiving information from Tarbella about releases, there is a time lag of 26 hours available for making necessary arrangements for operating breaching section. Executive Engineer Kalabagh will issue warning to all concerned Departments/Agencies to become alert, vigilant and remain in contact with the committee. Before operation of Breaching Section, the explosive material lying at Sargodha Cantt: will be shifted at Jinnah Barrage. Executive Engineer, Kalabagh will also convey time for operation of breaching section through available communication system.

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

No village / abadi will be affected. Only 100 to 150 acres land will be inundated.

11.9 ANNOUNCEMENT & DETAIL OF EVACUATION ARRANGEMENTS

In case of emergency, proper announcement through speaker etc will be made to keep effectees well informed. The evacuation will be done by Civil Administration with the help of Army Authorities.

11.10 DETAIL OF COORDINATION WITH CIVIL/ARMY AUTHORITIES

There is a definite need of ensuring a good coordination with Provincial Departments for combating flood menace. Respective heads of Provincial Departments and Commanders Corps Engineers will have effective coordination on all matters relating to flood mitigation and relief measures. Provincial Departments as well as Army Authorities will be informed about various flood stages. The coordination will be carried out on telephone and as well as on wireless system. The list of telephone Nos. is attached at Chapter-10.

11.11 PARALLEL COMMUNICATION ARRANGEMENT

All concerned officers and officials will be facilitated with PTCL V mobile sets and cell phone. This arrangement will be ensured before onset of forth coming flood. All the official vehicles are also equipped with the mobile /wireless sets. These units help the officers while on tour to remain in touch with flood situation

11.12 INDEX PLAN

Index plan has been attached

PART-B

CHAPTER-12

VULNERABLE SITES ON FLOOD BUND / STRUCTURES

12.1 APPREHENDED BREACH SITES IN FLOOD BUNDS / STRUCTURES.

The breaches that can happen at Jinnah Barrage are described as under:-

1. Breach to Left Guide Bund Upstream RD: 0 – 4+099.
2. Breach to Left Marginal Bund RD: 0 – 7+410.
3. Breach to Right Marginal Bund RD: 0 – 9+084.
4. Breach to Canal Colony Protection Bund RD: 0 – 11+730.

12.2 OPERATION OF BREACHING SECTIONS

After receiving information from Tarbella about releases, there is a time lag of 26 hours available for making necessary arrangements for operating breaching section. Executive Engineer Kalabagh will issue warning to all concerned Departments/Agencies to become alert, vigilant and remain in contact with the committee. Before operation of Breaching Section, the explosive material lying at Sargodha Cantt: will be shifted at Jinnah Barrage. Executive Engineer, Kalabagh will also convey time to all concerned for operation of breaching section through available communication system.

12.3 BREACHES DUE TO RISING OF FLOOD WATER, DETERIORATION OF FLOOD BUNDS ETC.

Since construction of Jinnah Barrage, the maximum discharge passing through Jinnah Barrage on 30-07-2010 was 10,87,000 cusec.

About 9,37,000 cusec passed through Barrage and 1,50,000 cusec through breaching section.

Left Guide Bund U/S of the Barrage was washed away in Super Flood 2010 which was restored during annual Closure of January, 2011 as per original design. The Breaching Section of Right Marginal Bund was operated during the Super Flood 2010 which was immediately restored after passing of flood.

CHAPTER-13

EMERGENCY CONTINGENCY PLAN FOR VULNERABLE SITES

A) EMERGENCY CONTINGENCY PLAN FOR SITE NO. 1

BREACH TO LEFT GUIDE BUND UPSTREAM RD: 0 – 4+099.

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

Route of water in case of failure of Left Guide Bund upstream is marked on the plan attached.

13.2 DETAIL OF VILLAGES ABADIES LIKELY TO BE AFFECTED

Name of Village

| | |
|-------------------------|------------------------|
| i Daudkhel Town | ii Thathi |
| iii Pai Khel | iv Dher Umaid Ali Shah |
| v Kot Belian | vi Mochh |
| vii Khawaja Abad Sharif | viii Dillewali |
| ix Tari Khel | |

13.3 STRATEGY AND ACTION TAKEN.

In case of breach to Left Guide Bund, water will remain in the pond area and no damage to any public property, infrastructure or inundation of agriculture land will take place. Left Marginal Bund will act as 2nd defence line. If Left Guide Bund comes under unbearable stress and gives way, the following instructions will be followed.

1. Immediate arrangements will be made for closure of breach in following manner:-
 - a) Watching establishment stationed at junction point of Left Guide Bund and Left Marginal Bund will immediately move under the supervision of Sub Engineer Headworks for filling stone in trollies (stone stacked at Left Marginal Bund and Left Guide Bund.
 - b) An other group of establishment in the supervision of Sub Engineer Main Line Upper will start tree launching. For this purpose trees will be collected / cut from thick plantation existing between left bank of Thal Canal and Left Marginal Bund. The trees will move through tractor / trollies lying in stand by condition at junction point of Left Marginal Bund and Left Guide Bund.
 - c) Administration of Maple Leaf Cement Factory situated 8-K.M away from Jinnah Barrage will be requested for logistic support if required i.e providing stone or boulders at site.
 - d) At the same time some government contractor will be engaged to enhance the resources in shape of machinery, supply of requisite material and labour at site.

- e) Labour of Kundian Sub Division and Other sister Divisions of Irrigation Department will be called on phone.
2. Fighting on Left Marginal Bund to protect against the severe threat by tree launching, stone dumping and strengthening will also be made by applying above resources.
3. Civil Administration and local Police will be requested to maintain law and order as well as to provide volunteer labour and other resources on request of Executive Engineer Kalabagh Headworks Division.

13.3.1 ARRANGEMENTS AT SENSITIVE SITES

In all vulnerable reaches / sites, a gang of 10 beldars and one mate will be available round the clock when river rises above low flood level. And a gang of 10 beldars including 2 mates will remain vigilant at Left Guide Bund. Junction point of LMB/LGB will be focused even in low flood till the end of flood season. A reasonable quantity of machinery will be readily available at this place through out the flood season to combat any sought of emergency.

Plan showing route of flood water coming out of the breach attached **Annex: "A"**.

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS

- i Field Office at Jinnah Barrage.
- ii RD 1+000 of Left Guide Bund.

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES

| <u>SR NO.</u> | <u>NAME OF OFFICER/OFFICIAL</u> | <u>CAMP</u> |
|----------------------|--|-----------------------------|
| 1 | Saif Ullah Nasir SDO | Field Office Jinnah Barrage |
| 2 | M Sarfraz SEN | Left Guide Bund RD: 1+000 |

13.3.4 DEPARTMENTAL MACHINERY AVAILABLE

Kalabagh Headworks Division has 02 No. tractors with trolley & water booser, 01 No. sand bag filling machine, 01 No. small crane mounted truck, 01 No. mini truck. However, contractor will be deployed through tendering process before the flood season for the procurement of machinery at the vulnerable sites to counter any untoward incident.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE

Maple Leaf Cement Factory, Tara Urea Fertilizer Factory are located at about 8-K.M from Barrage, these private sources will be requested in case of emergency to provide the necessary machinery at their disposal to combat the emergency situation.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED

As per previous practice, conventional articles required for flood fighting are detailed below.

| S. No. | Name of Articles | Unit | Qty: Required |
|--------|--------------------------------------|------|---------------|
| 1 | Search Lights | No. | 5 |
| 2 | Lanterns | No. | 40 |
| 3 | Lanterns, Chimney. | No. | 20 |
| 4 | Gas lamps. | No. | 2 |
| 5 | Mantles. | No. | 16 |
| 6 | Three cell torches. | No. | 10 |
| 7 | Gunny bags | No. | 200 |
| 8 | Plastic bags | No. | 800 |
| 9 | Axes. | No. | 4 |
| 10 | Kassies with handle. | No. | 4 |
| 11 | Killas. | No. | 20 |
| 12 | Basket. | No. | 20 |
| 13 | Manila rope | Rft. | 500 |
| 14 | Portable generator with accessories. | No. | 1 |
| 15 | Hammer. | No. | 2 |
| 16 | Shouldary. | No. | 1 |
| 17 | Handle for kassies. | No. | 10 |
| 18 | Patha munj ban/Tarangers | No. | 60 |
| 19 | Boat. | No. | 1 |
| 20 | Tractor with trolley | No. | 1 |
| 21 | Excavator | No. | 1 |
| 22 | Charpai. | No. | 1 |
| 23 | Plastic chairs | No. | 3 |
| 24 | Tables | No. | 1 |
| 25 | Briefing Board with stand | No. | 1 |
| 26 | Cell for Torches | Doz. | 20 |
| 27 | Energy Savers | No. | 20 |
| 28 | Funnels | No. | 2 |
| 29 | Life Jacket | No. | 4 |
| 30 | Match Boxes | Doz. | 2 |
| 31 | Rain Coats | No. | 10 |
| 32 | Sutli | Kg. | 6 |
| 33 | Switch / Plugs | No. | 4 |
| 34 | Umbrella | No. | 2 |

| S. No. | Name of Articles | Unit | Qty: Required |
|--------|---------------------|--------|---------------|
| 35 | Wicks | Doz. | 2 |
| 36 | Wires 7/29 | Meter. | 300 |
| 37 | Wooden Boards 10x12 | No. | 4 |
| 38 | Wooden Hammers | No. | 1 |
| 39 | M. Oil | Liter. | 20 |
| 40 | Petrol | Liter. | 200 |
| 41 | Diesel | Liter. | 400 |
| 42 | Kerosene Oil | Liter. | 40 |

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE

| S. No. | Name of Articles | Unit | Qty available |
|--------|-----------------------------|------|---------------|
| 1 | Gunny bags | No. | 100 |
| 2 | Plastic bags | No. | 300 |
| 3 | Wooden Killas. | No. | 15 |
| 4 | Manila Rope. | Rft. | 100 |
| 5 | Munj Tranger | No. | 5 |
| 6 | Energy Saver | No. | - |
| 7 | Wooden Board | No. | 1 |
| 8 | Kassies | No. | 50 |
| 9 | Shawal | No. | 20 |
| 10 | Steel Basket. | No. | 5 |
| 11 | Wooden Hammer | No. | 5 |
| 12 | Torch Three Cell | No. | 6 |
| 13 | Electric Chargeable Torches | No. | 5 |
| 14 | Generator | No. | 1 |
| 15 | Tents | No. | 2 |
| 16 | Charpai | No. | 2 |
| 17 | Plastic Chair | No. | 4 |
| 18 | Plastic Table | No. | 1 |
| 19 | Boat Small | No. | 1 |
| 20 | Life Jackets | No. | 13 |
| 21 | Umbrella | No. | 5 |
| 22 | Sodium Lights | No. | 5 |
| 23 | Axes. | No. | 10 |

Balance flood watching material will be purchased during the month of May 2018.

B) EMERGENCY CONTINGENCY PLAN FOR SITE NO. 2

BREACH TO LEFT MARGINAL BUND RD: 0 – 7+410.

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

Route of water in case of failure of Left Marginal Bund is marked on the plan attached.

13.2 DETAIL OF VILLAGES ABADIES LIKELY TO BE AFFECTED

Name of Village

- i Daudkhel Town
- ii Thathi
- iii Pai Khel
- iv Dher Umaid Ali Shah
- v Kot Belian
- vi Mochh
- vii Khawaja Abad Sharif
- viii Delewali
- ix Tari Khel

13.3 STRATEGY AND ACTION TAKEN.

Left Marginal Bund is the only defence line available to protect Thal Canal and Abadies lying on lower contour up to Mianwali. If God forbid, this embankment gives way, the following instructions / steps will have to be followed:-

1. It is a matter of fact that breach to Left Marginal Bund will put unbearable stress on left bank of Thal Canal. Therefore in case of breach to Left Marginal Bund, Thal Canal will be closed from its Head. It will be plugged at RD: 10+800 and Canal banks will be cut between RD: 4+000 to RD: 8+000 to provide passage to flood water to enter back in the main river.
2. Immediate arrangements have to be made for closure of breach in following manner:-
 - a) Labour already stationed at junction point of Left Guide Bund and Left Marginal Bund and at RD: 7+000 of L.M.B. will immediately move under the supervision of Sub Engineer Headworks for filling stone in trollies stone stacked at Left Marginal Bund and D/S Left Guide Bund.
 - b) An other group of establishment in the supervision of Sub Engineer Main Line Upper will start tree launching. For this purpose trees will be collected / cut from thick plantation existing between left bank of Thal Canal and Left Marginal Bund. The trees will move through tractor / trollies lying in stand by condition at junction point of Left Marginal Bund and Left Guide Bund.
 - c) Administration of Maple Leaf Cement Factory lying just 8-K.M away from Jinnah Barrage may be requested for logistic support i.e. providing stone or boulders at site.

- d) At the same time some government contractor will be engaged to enhance the resources in shape of machinery, supply of requisite material and labour at site.
 - e) Labour of Kundian Sub Division and Other sister Divisions of Irrigation & Power Department will be called on phone.
3. Proclamation on vast scale will be made. Cable operators and T.V. channels will also be requested to facilitate the proclamation.
 4. Civil Administration and local Police will be requested to maintain law and order as well as to provide volunteer labour and other resources on request of Executive Engineer Kalabagh Headworks Division.
 5. Traffic on Mianwali Bannu road existing on right bank of Thal Canal between RD: 0+000 – 10+800 will be suspended and warning boards will be fixed at Kot Chandna and RD. 10+800 of Thal Canal to guide the traffic towards Kalabagh Railway Bridge.

Plan showing route of flood water coming out of the breach

attached **Annex: “B”**.

13.3.1 ARRANGEMENTS AT SENSITIVE SITES

In all vulnerable reaches / sites such as R.D. 0+000 to RD 1+000 of Left Marginal Bund, RD 4+000 to 6+000, gang of 10 beldars and one mate will be available round the clock when river rises above low flood level. A gang of 10 beldars including 2 mates will remain vigilant at Left Marginal Bund. Junction point of Left Marginal Bund /Left Guide Bund will be focused even in low flood till the end of flood season. A reason able quantity of machinery will be readily available at this place through out the flood season to combat any sought of emergency.

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS

- i Field Office at Jinnah Barrage.
- ii RD 5+000 of Left Marginal Bund.

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES

| <u>SR NO.</u> | <u>NAME OF OFFICER/OFFICIAL</u> | <u>CAMP</u> |
|----------------------|--|------------------------------|
| 1 | Saif Ullah Nasir SDO | Field Office Jinnah Barrage. |
| 2 | Naeem Ijaz Khan SEN | Left Marginal Bund RD: 5+000 |

13.3.4 DEPARTMENTAL MACHINERY AVAILABLE

Kalabagh Headworks Division has 02 No. tractors with trolley & water boozers, 01 No. sand bag filling machine, 01 No. small crane mounted truck, 01 No. mini truck. However, contractor will be deployed through tendering process before the flood season for the procurement of machinery at the vulnerable sites to counter any untoward incident.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE

Maple Leaf Cement Factory, Tara Urea Fertilizer Factory are located at about 8-K.M from Barrage, these private sources will be requested in case of emergency to provide the necessary machinery at their disposal to combat the emergency situation.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED

As per previous practice, conventional articles required for flood fighting are detailed below.

| S. No. | Name of Articles | Unit | Qty: Required |
|--------|--------------------------------------|--------|---------------|
| 1 | Search Lights | No. | 5 |
| 2 | Lanterns | No. | 40 |
| 3 | Lanterns, Chimney. | No. | 20 |
| 4 | Gas lamps. | No. | 2 |
| 5 | Mantles. | No. | 16 |
| 6 | Three cell torches. | No. | 10 |
| 7 | Gunny bags | No. | 200 |
| 8 | Plastic bags | No. | 800 |
| 9 | Axes. | No. | 4 |
| 10 | Kassies with handle. | No. | 4 |
| 11 | Killas. | No. | 20 |
| 12 | Basket. | No. | 20 |
| 13 | Manila rope | Rft. | 500 |
| 14 | Portable generator with accessories. | No. | 1 |
| 15 | Hammer. | No. | 2 |
| 16 | Shouldary. | No. | 1 |
| 17 | Handle for kassies. | No. | 10 |
| 18 | Patha munj ban/Tarangars | No. | 60 |
| 19 | Boat. | No. | 0 |
| 20 | Tractor with trolley | No. | 1 |
| 21 | Excavator | No. | 1 |
| 22 | Charpai. | No. | 1 |
| 23 | Plastic chairs | No. | 3 |
| 24 | Tables | No. | 1 |
| 25 | Briefing Board with stand | No. | 0 |
| 26 | Cell for Torches | Doz. | 20 |
| 27 | Energy Savers | No. | 20 |
| 28 | Funnels | No. | 2 |
| 29 | Life Jacket | No. | 4 |
| 30 | Match Boxes | Doz. | 2 |
| 31 | Rain Coats | No. | 10 |
| 32 | Sutli | Kg. | 6 |
| 33 | Switch / Plugs | No. | 4 |
| 34 | Umbrella | No. | 2 |
| 35 | Wicks | Doz. | 2 |
| 36 | Wires 7/29 | Meter. | 300 |
| 37 | Wooden Boards 10x12 | No. | 4 |

| S. No. | Name of Articles | Unit | Qty: Required |
|--------|------------------|--------|---------------|
| 38 | Wooden Hammers | No. | 1 |
| 39 | M. Oil | Liter. | 20 |
| 40 | Petrol | Liter. | 200 |
| 41 | Diesel | Liter. | 400 |
| 42 | Kerosene Oil | Liter. | 40 |

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE

| S. No. | Name of Articles | Unit | Qty available |
|--------|-----------------------------|------|---------------|
| 1 | Gunny bags | No. | 50 |
| 2 | Plastic bags | No. | 300 |
| 3 | Wooden Killas. | No. | 15 |
| 4 | Manila Rope. | Rft. | 100 |
| 5 | Munj Tranger | No. | 5 |
| 6 | Energy Saver | No. | - |
| 7 | Wooden Board | No. | 3 |
| 8 | Kassies | No. | 50 |
| 9 | Shawal | No. | 15 |
| 10 | Steel Basket. | No. | 5 |
| 11 | Wooden Hammer | No. | 5 |
| 12 | Torch Three Cell | No. | 3 |
| 13 | Electric Chargeable Torches | No. | 3 |
| 14 | Generator | No. | - |
| 15 | Tents | No. | 1 |
| 16 | Charpai | No. | - |
| 17 | Plastic Chair | No. | 2 |
| 18 | Plastic Table | No. | 1 |
| 19 | Boat Small | No. | - |
| 20 | Life Jackets | No. | 16 |
| 21 | Umbrella | No. | - |
| 22 | Sodium Lights | No. | 10 |
| 23 | Axes. | No. | 5 |

Balance flood watching material will be purchased during the month of May 2018.

C) EMERGENCY CONTINGENCY PLAN FOR SITE NO. 3
BREACH TO RIGHT MARGINAL BUND RD: 0 - 9084.

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

Route of water in case of failure of Right Marginal Bund is marked on the plan attached.

13.2 DETAIL OF VILLAGES ABADIES LIKELY TO BE AFFECTED

Name of Village

- | | | | |
|----|-------------|-----|------------|
| i | Kot Chandna | ii | Sumbal Wal |
| ii | Khudozai | iii | Manda Khel |

13.3 STRATEGY AND ACTION TAKEN.

Right Marginal bund has dual function, Mianwali – Bannu road has been constructed on this marginal bund. In case of any mishap, traffic flow on Mianwali-Bannu road will be suspended therefore, its immediate restoration will be required and following measures will be implemented for this purpose:-

- 1) Closing of breach by earth filling will be managed.
- 2) Logistic support from Hydro Power Authorities will be requested.
- 3) Inform all concerned immediately to get help :
 - a) SHOs of Police Station Daudkhel & Kalabagh for Law and order.
 - b) Civil Administration for law and order and support in obtaining the relevant materials that are some times not available due to various reasons.
- 4) Traffic on Mianwali Bannu road existing on right bank of Thal Canal between RD: 0+000 – 10+800 will be suspended and warning boards will be fixed at Kot Chandna and RD. 10+800 of Thal Canal to guide the traffic towards Kalabagh Railway Bridge.

Plan showing route of flood water coming out of the breach attached **Annex: “C”**.

13.3.1 ARRANGEMENTS AT SENSITIVE SITES

In all vulnerable reaches / sites such, gang of 10 beldars and one mate will be available round the clock when river rises above low flood level. A gang of 10 beldars including 2 mates will remain vigilant at Right marginal Bund. Right Marginal Bund will be focused even in low flood till the end of flood season. A reason able quantity of machinery will be readily available at this place through out the flood season to combat any sought of emergency.

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS

- i Field Office at Jinnah Barrage.
- ii RD 6+700 to 8+700 of Right Marginal Bund.

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES

| <u>SR NO.</u> | <u>NAME OF OFFICER/OFFICIAL</u> | <u>CAMP</u> |
|---------------|---------------------------------|-----------------------------|
| 1 | Saif Ullah Nasir SDO | Field Office Jinnah Barrage |
| 2 | Malik Aziz SEN | Right Marginal Bund. |

13.3.4 DEPARTMENTAL MACHINERY AVAILABLE

Kalabagh Headworks Division has 02 No. tractors with trolley & water booser, 01 No. sand bag filling machine, 01 No. small crane mounted truck, 01 No. mini truck. However, contractor will be deployed through tendering process before the flood season for the procurement of machinery at the vulnerable sites to counter any untoward incident.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE

Maple Leaf Cement Factory, Tara Urea Fertilizer Factory are located at about 8-K.M from Barrage, these private sources will be requested in case of emergency to provide the necessary machinery at their disposal to combat the emergency situation.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED

As per previous practice, conventional articles required for flood fighting are detailed below.

| S. No. | Name of Articles | Unit | Qty: Required |
|---------------|--------------------------------------|-------------|----------------------|
| 1 | Search Lights | No. | 5 |
| 2 | Lanterns | No. | 40 |
| 3 | Lanterns, Chimney. | No. | 20 |
| 4 | Gas lamps. | No. | 1 |
| 5 | Mantles. | No. | 10 |
| 6 | Three cell torches. | No. | 10 |
| 7 | Gunny bags | No. | 200 |
| 8 | Plastic bags | No. | 800 |
| 9 | Axes. | No. | 4 |
| 10 | Kassies with handle. | No. | 4 |
| 11 | Killas. | No. | 20 |
| 12 | Basket. | No. | 20 |
| 13 | Manila rope | Rft. | 500 |
| 14 | Portable generator with accessories. | No. | 1 |
| 15 | Hammer. | No. | 2 |
| 16 | Shouldary. | No. | 0 |
| 17 | Handle for kassies. | No. | 10 |
| 18 | Patha munj ban/Tarangrs | No. | 60 |
| 19 | Boat. | No. | 0 |
| 20 | Tractor with trolley | No. | 0 |
| 21 | Excavator | No. | 0 |
| 22 | Charpai. | No. | 1 |
| 23 | Plastic chairs | No. | 3 |
| 24 | Tables | No. | 0 |
| 25 | Briefing Board with stand | No. | 0 |

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE

| S. No. | Name of Articles | Unit | Qty available |
|--------|---------------------------|------|---------------|
| 1 | Gunny Bag | No. | 50 |
| 2 | Plastic Bag.. | No. | 300 |
| 3 | Wooden Killas | No. | 15 |
| 4 | Wooden Board. | No. | 3 |
| 5 | Kassies. | No. | 10 |
| 6 | Torch Three Cell | No. | 4 |
| 7 | Electric Chargeable Torch | No. | 2 |
| 8 | Charpai | No. | 1 |
| 9 | Plastic Chair | No. | 2 |
| 10 | Life Jackets | No. | 5 |
| 11 | Axes | | 5 |

Balance flood watching material will be purchased during the month of May 2018.

E) EMERGENCY CONTINGENCY PLAN FOR SITE NO. 4**CANAL COLONY PROTECTION BUNDRD: 0 – 11+730.****13.1 PLAN SHOWING ROUTE OF FLOOD WATER COMING OUT OF THE BREACH SUPPORTED WITH LEVELS**

Route of water in case of failure of Canal Colony Protection Bund is marked on the plan attached.

13.2 DETAIL OF VILLAGES ABADIES LIKELY TO BE AFFECTED**Name of Village**

- i Canal Colony Daudkhel.
- ii Daudkhel Town
- iii Thathi

13.3 STRATEGY AND ACTION TAKEN.

As experienced during super flood 2010, breach to Canal Colony Protection Bund created havoc in the area. Last year vast area of Daudkhel town was inundated and many houses were destroyed. Moreover Daudkhel Lift Irrigation Scheme was badly damaged. Mechanical workshop was badly hit by the breach RD 4+000 to 5+000. Keeping in view above scenario immediate arrangements will be made for closure of breach in following manner:-

- 1) Labour already stationed at junction point of Left Guide Bund and Left Marginal Bund and at RD: 7+000 of L.M.B. will immediately move under the supervision of Sub Engineer Headworks for filling earth in bags and brought to site through trollies. Killa / Bamboo bushing will also be made.
- 2) An other group of establishment in the supervision of Sub Engineer Main Line Upper will start tree launching. For this purpose trees will be collected / cut from thick plantation existing between left bank of Thal Canal and L.M.B. The trees will be moved through tractor / trollies stationed at junction point of L.M.B. and L.G.B.
- 3) At the same time some government contractor will be engaged to enhance the resources in shape of machinery, supply of requisite material and labour at site.
- 4) Labour of Kundian Sub Division and Other sister Divisions of Irrigation & Power Department will be called on phone.
- 5) Proclamation on vast scale will be made. Cable operators and T.V. channels will also be requested to facilitate the proclamation.
Civil Administration and local Police will be requested to maintain law and order as well as to provide volunteer labour and other resources on request of Executive Engineer Kalabagh Headworks Division.

Plan showing route of flood water coming out of the breach attached **Annex: "D"**.

13.3.1 ARRANGEMENTS AT SENSITIVE SITES

In all vulnerable reaches / sites such as RD 0+000 to RD 11+730 of Colony Protection Bund, gang of 10 beldars and one mate will be available round the clock when river rises above low flood level. A gang of 10 beldars including 2 mates will remain vigilant at Canal Colony Protection Bund. A reasonable quantity of machinery will be readily available at this place through out the flood season to combat any sought of emergency.

13.3.2 ESTABLISHMENT OF FLOOD FIGHTING CAMPS

- i. Field Office Jinnah Barrage.
- ii. RD: 6+500 of Canal Colony Protection Bund.

13.3.3 DUTIES OF OFFICERS / OFFICIALS AND THEIR CAMP SITES

| <u>SR NO.</u> | <u>NAME OF OFFICER/OFFICIAL</u> | <u>CAMP</u> |
|----------------------|--|--|
| 1 | Saif Ullah Nasir SDO | Field Office Jinnah Barrage |
| 2 | Arif Abbas Jafri SEN | Canal Colony Protection Bund at RD:6+500. |

13.3.4 DEPARTMENTAL MACHINERY AVAILABLE

Kalabagh Headworks Division has 02 No. tractors with trolley & water boozers, 01 No. sand bag filling machine, 01 No. small crane mounted truck, 01 No. mini truck. However, contractor will be deployed through tendering process before the flood season for the procurement of machinery at the vulnerable sites to counter any untoward incident.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE

Maple Leaf Cement Factory, Tara Urea Fertilizer Factory are located at about 8-K.M from Barrage, these private sources will be requested in case of emergency to provide the necessary machinery at their disposal to combat the emergency situation.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED

As per previous practice, conventional articles required for flood fighting are detailed below.

| S. No. | Name of Articles | Unit | Qty: Required |
|---------------|--------------------------------------|-------------|----------------------|
| 1 | Search Lights | No. | 2 |
| 2 | Lanterns | No. | 40 |
| 3 | Lanterns, Chimney. | No. | 20 |
| 4 | Gas lamps. | No. | 1 |
| 5 | Mantles. | No. | 12 |
| 6 | Three cell torches. | No. | 10 |
| 7 | Gunny bags | No. | 200 |
| 8 | Plastic bags | No. | 800 |
| 9 | Axes. | No. | 4 |
| 10 | Kassies with handle. | No. | 4 |
| 11 | Killas. | No. | 20 |
| 12 | Basket. | No. | 20 |
| 13 | Manila rope | Rft. | 500 |
| 14 | Portable generator with accessories. | No. | 1 |
| 15 | Hammer. | No. | 2 |
| 16 | Shouldary. | No. | 0 |
| 17 | Handle for kassies. | No. | 10 |
| 18 | Patha munj ban/Tarangers | No. | 60 |
| 19 | Boat. | No. | 0 |
| 20 | Tractor with trolley | No. | 1 |
| 21 | Excavator | No. | 0 |
| 22 | Charpai. | No. | 1 |
| 23 | Plastic chairs | No. | 3 |
| 24 | Tables | No. | 0 |
| 25 | Briefing Board with stand | No. | 0 |
| 26 | Cell for Torches | Doz. | 20 |
| 27 | Energy Savers | No. | 20 |
| 28 | Funnels | No. | 2 |
| 29 | Life Jacket | No. | 4 |
| 30 | Match Boxes | Doz. | 2 |
| 31 | Rain Coats | No. | 10 |
| 32 | Sutli | Kg. | 6 |
| 33 | Switch / Plugs | No. | 4 |
| 34 | Umbrella | No. | 2 |
| 35 | Wicks | Doz. | 2 |
| 36 | Wires 7/29 | Meter. | 300 |
| 37 | Wooden Boards 10x12 | No. | 4 |
| 38 | Wooden Hammers | No. | 1 |
| 39 | M. Oil | Liter. | 20 |
| 40 | Petrol | Liter. | 200 |
| 41 | Diesel | Liter. | 400 |
| 42 | Kerosene Oil | Liter. | 40 |

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE

| S. No. | Name of Articles | Unit | Qty available |
|--------|------------------|------|---------------|
| 1 | Gunny Bag | No. | 50 |
| 2 | Plastic Bag. | No. | 155 |
| 3 | Kassies | No. | 10 |
| 4 | Plastic Chair | No. | 2 |
| 5 | Axes | No. | 5 |

Balance flood watching material will be purchased during the month of May 2018.

13.4 DETAIL OF OTHER INFRASTRUCTURE LIKE ELECTRIC, SUI GAS TELEPHONE INSTALLATIONS, ROAD NETWORK, OTHER BUILDINGS, CANALS AND DRAINAGE NETWORK

A) IN CASE OF FAILURE OF LEFT GUIDE BUND AND LEFT MARGINAL BUND THE FOLLOWING INFRASTRUCTURES WILL BE EFFECTED:-

- i Canal Colony Daudkhel.
- ii Mianwali - Bannu Road upto Jinnah Barrage.
- iii Mechanical workshop Daudkhel.
- iv Thal Canal Main Line Upper RD: 0+000 to RD: 10+000.
- v Daudkhel Lift Irrigation Scheme i/c Pump Houses etc.
- vi Bokhara Disty.
- vii Right Paikhel Canal.
- viii Rural Health Centre Thathi.
- ix Water Supply Scheme Daudkhel.
- x Water Supply Scheme Thathi.

B) IN CASE OF OPERATION OF BREACHING SECTION ON RIGHT MARGINAL BUND.

The following infrastructure will be affected.

- i Labour colony of Jinnah Hydro Power Project
- ii Mianwali - Bannu road near Kot Chandana

C) IN CASE OF FAILURE OF CANAL COLONY PROTECTION BUND FOLLOWING INFRASTRUCTURE WILL BE EFFECTED

- i Canal Colony Daudkhel.
- ii Mechanical workshop Daudkhel.
- iii Daudkhel Lift Irrigation Scheme i/c Pump Houses etc.
- iv Water Supply Scheme Daudkhel.
- v Mianwali – Bannu road and internal roads of Daudkhel Town.

CHAPTER-14

ACTION PLAN

14.1 Reshuffling / Recouping plan of reserve stone departmentally

It is submitted that the sanction limit of reserve stock stone at Jinnah Barrage is 7.90 Lac Cft. In the financial year 2013 PMO Barrages purchased and provided the sanction limit of reserve stone at Jinnah Barrage. The Contractor M/S DESCON disturb the stacks of stone so the reserve stone is not measureable. Now available quantity is 5.97 Lac Cft. Structure wise detail is given in Chapter No. 7 at 7.3.

14.2 Detail of inlet and outlet crossing along with closing methodology

There is no such crossing in the jurisdiction of Kalabagh Headworks Division Daudkhel.

14.3 Deployment Machinery (Medium to high flood)

| Name of Structure | Length in Mile | Vulnerable Reach | Camp Location | Site In-charge by name & Cell No. | Machinery Deployed | | | | | Availability of Stone Cft |
|--------------------------|----------------|--------------------------|------------------|---|--------------------|-------|-------------------|--------------------------|------------------------|--------------------------------------|
| | | | | | Excavator | Dozer | Trolleys/ Dumpers | Tractor with front blade | Labour (Bekdar + Mate) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| LGB RD 0+000 to 4+099 | 0.82 | RD.1+000 to 3+000 of LGB | RD.1+000 of LGB | M Sarfraz Sub Engineer Headworks Section 03006079014 | 1 | - | 2 | 1 | 24+2 | 2.086 Lac Cft (RD.0+800 to 4+099) |
| RMB RD. 0+000 to 9+084 | 1.82 | RD.6+700 to 8+700 of RMB | RD.8+000 of LMB | M Aziz Sub Engineer Hydraulic Section 03018790231 | 1 | - | 2 | 1 | 24+3 | - |
| LMB RD 0+000 to 7+410 | 1.48 | RD.1+000 to 3+000 of LMB | RD. 5+000 of LMB | Naeem Khan Sub Engineer Workshop Section 03006095827 | 1 | - | 2 | 1 | 24+3 | 1.618 Lac Cft (RD.0+000 to 7+740) |

14.4 Deployment Machinery (High to very high flood)

| Name of Structure | Length in Mile | Vulnerable Reach | Camp Location | Site In-charge by name & Cell No. | Machinery Deployed | | | | | Availability of Stone Cft |
|--------------------------|----------------|--------------------------|------------------|---|--------------------|-------|-------------------|--------------------------|------------------------|--------------------------------------|
| | | | | | Excavator | Dozer | Trolleys/ Dumpers | Tractor with front blade | Labour (Bekdar + Mate) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| LGB RD 0+000 to 4+099 | 0.82 | RD.1+000 to 3+000 of LGB | RD.1+000 of LGB | M Sarfraz Sub Engineer Headworks Section 03006079014 | 2 | - | 6 | 2 | 84+10 | 2.086 Lac Cft (RD.0+800 to 4+099) |
| RMB RD. 0+000 to 9+084 | 1.82 | RD.6+700 to 8+700 of RMB | RD.8+000 of LMB | M Aziz Sub Engineer Hydraulic Section 03018790231 | 2 | - | 6 | 2 | 84+10 | - |
| LMB RD 0+000 to 7+410 | 1.48 | RD.1+000 to 3+000 of LMB | RD. 5+000 of LMB | Naeem Khan Sub Engineer Workshop Section 03006095827 | 1 | - | 4 | 1 | 84+10 | 1.618 Lac Cft (RD.0+000 to 7+740) |

Deployment Machinery (High to exceptionally flood)

| Name of Structure | Length in Mile | Vulnerable Reach | Camp Location | Site In-charge by name & Cell No. | Machinery Deployed | | | | | Availability of Stone Cft |
|------------------------|----------------|--------------------------|------------------|--|--------------------|-------|-------------------|--------------------------|----------------------|-----------------------------------|
| | | | | | Excavator | Dozer | Trolleys/ Dumpers | Tractor with front blade | Labour (Betar +Mate) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| LGB RD 0+000 to 4+099 | 0.82 | RD.1+000 to 3+000 of LGB | RD.1+000 of LGB | M Sarfraz Sub Engineer Headworks Section 03006079014 | 1 | - | 2 | 1 | 54+7 | 2.086 Lac Cft (RD.0+800 to 4+099) |
| RMB RD. 0+000 to 9+084 | 1.82 | RD.6+700 to 8+700 of RMB | RD.8+000 of LMB | M Aziz Sub Engineer Hydraulic Section 03018790231 | 1 | - | 2 | 1 | 54+7 | - |
| LMB RD 0+000 to 7+410 | 1.48 | RD.1+000 to 3+000 of LMB | RD. 5+000 of LMB | Naem Khan Sub Engineer Workshop Section 03006095827 | 1 | - | 2 | 1 | 54+7 | 1.618 Lac Cft (RD.0+000 to 7+740) |

14.6 Police deployment plan

| S.No. | Name of Site. | Concerned Police Station & District | Police personal to be deployed. |
|-------|--|--|--|
| 1 | Breaching Section of Right Marginal Bund of Jinnah Barrage. | Kalabagh District Mianwali | Inspector = 1 No. SI = 1 No. ASI = 2 No. Constable = 12 No. |
| 2 | Jinnah Barrage. | Kalabagh District Mianwali | Inspector = 1 No. SI = 1 No. ASI = 2 No. Constable = 12 No. |
| 3 | Vulnerable sites used for illegal cuts during flood. | There is no such site in the jurisdiction of Kalabagh Headworks Division Daudkhel. | |
| 4 | Traffic Police if required for smooth traffic flow at Jinnah Barrage during flood. | ASI = 1 No. Head Constable = 1 No. ASI = 2 No. Constable = 12 No. | |

14.7 Detail of Synthetic bags with capacity of 500 kg and 100 kg

| S.No. | Capacity of bages. | Required Quantity | Available Quantity |
|-------|-------------------------|-------------------|--------------------|
| 1 | Synthetic bags 500 Kg. | 2000 No. | - |
| 2 | Synthetic bags 1000 Kg. | 1500 No. | - |

14.8 Detail of polythene sheets of black colour to protect upstream slope against wave action and to control seepage through embankments

| S.No. | Capacity of bages. | Required Quantity | Available Quantity |
|--------------|----------------------------------|--------------------------|---------------------------|
| 1 | Polythene Sheets of Black Colour | 25000 Sft. | - |

CHAPTER-15

BACK UP DIVISIONS(In case of breach)

In case of emergency Mianwali Canal Division Mianwali of Thal Canal Circle Mianwali and Thal Development Development Division Mianwali of Development Circle Sargodha will be back-up divisions. For Right Flank of River Indus at Jinnah Barrage, Mianwali Canal Division Mianwali while Left Flank of River Indus at Jinnah Barrage, Thal Development Division Mianwali will be back-up divisions.

FOCAL PERSONS OF CONCERNED DEPARTMENTS

| Sr. No | Name of Department | Name of Focal Person | Contact No. |
|---------------|---------------------------|---|-----------------------------------|
| 1. | Revenue | Mr. Ghulam Mustafa Sheikh, Additional Deputy commissioner (Revenue), Mianwali | 0459-235005, 0300-9460973 |
| 2. | Police | DSP Legal , DPO Office, Mianwali | 0459-920186 |
| 3. | Irrigation | Muhammad Saif Ullah Nasir, Sub Divisional Officer,Head works Sub Division Daud Khel at Jinnah Barrage | (0459-332163 0334-631687) |
| | | Mr. Wajid Ali Khan, SDO Kundian Sub Division of Mianwali Canal Division | 0459-920137 |
| 4. | Education | DEO (Secondary), Mianwali | 0459-920209 |
| 5. | Health | CEO (Health), Mianwali | 0459-920143 |
| 6. | Agriculture | Deputy Director Agriculture(Ext.), Mianwali | 0459-920095 |
| 7. | FESCO | Faiz Ul Hassan Shah, LS-1(Sub Divisional Officer (Oper) FESCO Sub Division Urban, Mianwali | 0459-920034-35 (0303-7322905). |
| 8. | Railway | Assistant Engineer Pakistan Railways Daudkhel | 0459-395098 |
| 9. | NADRA | Deputy Manager, NADRA, Mianwali | 0459-920264-65 |
| 10. | Highway | Executive Engineer Highway Mianwali | 0459-920217 |
| 11. | Telephone/ PTCL | SDO, Mianwali | 0459-232260 |
| 12. | Roads | DO Roads Mianwali | 0459-920248 |
| 13. | Building | DO Building, Mianwali | 0459-920188 |
| 14. | Labour | DO Labour Mianwali | 0459-920150 |
| 15. | Civil Defence | Sana Ullah Khan Incharge CDO Mianwali | 0459-920019 0300-6090177 |
| 16. | Livestock | Dr. Awais Masood, Assistant Disease Investigation Officer, Livestock Deptt. Mianwali. | 0459-920135 |
| 17. | Local Government | Assistant Director LG & CD, Mianwali | 0459-920214 |
| 18. | M.C Mianwali | Chief Officer, M.C, Mianwali | 0459-234659 |
| 19. | M.C Isa KHel | Chief Officer, M.C. Isa Khel | 0459-285005 |
| 20. | M.C Piplan | Chief Officer, M.C Piplan | 0459-201890 |
| 21. | Public Health | Executive Engineer PHED, Mianwali | 0459-231914 |
| 22. | Rescue 1122 | District Emergency Officer Rescue-1122, Minawali | 0459-920257 |
| 23. | Public Relations | Mr. Tanveer Khalid, DDPR Rana Muhammad Iqbal PRO Information Office, Mianwali | 0333-5904449 0301-6353481 |

**Flood Fighting Arrangements in Tehsil Mianwali by the office of
Assistant Commissioner Tehsil Mianwali.**

1. Arrangements of private boats, tractor-trollies excavator with the names and contact numbers of the Operators/Drivers and the owners of the boats.

| Circle | Name of Revenue Officer | Qanungo. |
|----------|-----------------------------------|---|
| Mianwali | Tehsildar Mianwali 03004517318 | Kanungo Mianwali Ph: No. 03006082336 |

1. Tractor-trollies excavator with the names and contact numbers

| Sr.No | Mauza | Name of Tractor's Owners | Contact Nos. |
|-------|---------------------|--|----------------------|
| 1 | Watta Khel Pacca | Zaka Ullah Khan S/O Abdullah Khan | 0306-3968325 |
| 2 | Do | Najeeb Ullah Khan S/O Habib Ullah Khan | 0308-6204525 |
| 3 | Do | Aman Ullah Khan S/O Khan Zaman Khan | 0300-7602023 |
| 5 | Do | Ramzan Khan S/O Abdullah Khan | 03026352350 |
| 6 | Yaru Khel Pacca | Sher Bahadar Khan S/O Baaz Gul Khan | 0342-5514722 |
| 7 | Do | Rafi Ullah Khan S/O Nasar Ullah Khan | 0300-6083736 |
| 8 | Do | Abdul Rasheed S/O Abdul Hameed | 0315-3965430 |
| 9 | Do | Hameed Ullah Khan S/O Muhammad Khan | 0302-3966628 |
| 10 | Do | Ghulam Mahboob S/O Samandar | 0306-7811881 |
| 11 | Do | Ghulam Qasim S/O Samandar | 0306-6353734 |
| 12 | Do | Haji Saeed Akhtar S/O Muhammad Khan | 0300-6096192 |
| 13 | Do | Masood Anwar Khan S/O Anwar Khan | 0300-6095880 |
| 14 | Do | Muzafar | |
| 17 | Zala Shumali | Saif Ullah Khan S/O Umer Hayat Khan | 0300-6082240 |
| 18 | Do | Mahar Zaman Khan S/O Abdul Rauf Khan | 0302-3959313 |
| 19 | Do | Mustafa Khan S/O Sikandar Khan | 0301-8694065 |
| 20 | Mianwali | TMA Tractors | 2 0459-234659 |
| 21 | Do | Agriculture Department | 2 0459- 920095/96 |

Requirements of Boats.

| Sr.No. | Name of Circle | Requirements |
|--------|----------------|--------------|
| 1. | Mianwali | 08 |

Owners of Private Boats

| Sr.No | Mauza | Name of Owners | Name of Operator/Drivers | Contact Nos. |
|-------|------------------|-----------------------------------|-----------------------------------|--------------|
| 1 | Watta Khel Pacca | Akbar Khan S/O Sher Muhammad Khan | Akbar Khan S/O Sher Muhammad Khan | 0306-3958325 |

2. Village Volunteers Committee

| Sr.No | Mauza | Names of Volunteers | Contact Nos. |
|-------|------------------|---|--------------|
| 1 | Watta Khel Pacca | Zaka Ullah Khan S/O Abdullah Khan | 03063968325 |
| 2 | do | Najeeb Ullah Khan S/O Habib Ullah Khan | 0308-6204525 |
| 3 | do | Aman Ullah Khan S/O Khan Zaman Khan | 0300-7602023 |
| 4 | do | Akhtar Khan S/O Sher Samand Khan | 0306-3951850 |
| 5 | do | Haakim Khan | 0307-7812884 |
| 6 | Yaru Khel Pacca | Haji Muhammad Iqbal S/O Muhammad Shahbaz | 0300-6082541 |
| 7 | do | Amir Shahbaz S/O Ameer Muhammad | 0300-4767929 |
| 8 | do | Shahid Iqbal S/O Ghulam Essa | 0302-6359983 |
| 9 | do | Zia Ullah Khan S/O Sohrab | 0334-7651450 |
| 10 | do | Amir Abbas S/O Mian Muhammad | 0300-6082512 |
| 11 | Zalla Shumali | Muhammad Nasir Khan S/O Muhammad Ameer Khan | 0306-7802153 |
| 12 | do | Muhammad Tariq S/O Muhammad Khan | 0306-6359152 |
| 13 | do | Muhammad Khalid Khan S/O Muhammad Khan | 0300-6081930 |
| 14 | do | Muhammad Khaliq S/O Muhammad Khan | 0300-6081930 |
| 15 | do | Muhammad Arif Khan S/O Muhammad Khan | 0300-6081930 |

3. Quantity and demand for the water tanks of drinking water (Chief Officer, M.C + Assistant Commissioner Concerned.)

| Sr.No | Qanungoi Circle | Water Tanks Required |
|-------|-----------------|----------------------|
| 1 | Mianwali | 5 |

The concerned revenue staff along with Chief Officer, M.C. will make Arrangements.

4. **Provision of food items including dry food items with the names & contact Number of the providers/manufacturers of these items.**

Measurements to be taken for the transportation of the food items.
Circle Revenue Officer Mianwali/Qanungo will make the arrangements.

| Sr.No | Name of Shopkeepers | Contact Nos. |
|-------|--|--------------|
| 1 | Ameer Khan Swansi (Swansi Karyana Store). | 0333-6831111 |
| 2 | Muhammad Shaukat (Sharwani Karyana Store). | 0306-3961911 |
| 3 | Abdul Ghafar (Ghafar Karyana store). | 0306-3961911 |
| 4 | Muhammad Zahid (Hanzala Departmental Store). | 0333-9838099 |

5. **Provision of tents along with availability + requirements**

| Sr.No | Name of Mauza | Tent Requirement |
|--------------|------------------|------------------|
| 1 | Watta Khel Pacca | 20 |
| 2 | Yaru Khel Pacca | 25 |
| 3 | Zalla Shumali | 3 |
| 4 | Mianwali | 10 |
| Total | | 58 |

6 **Formation of Relief Camps.**

ii) Permanent Relief Camp

| Sr.No | Name of Camps |
|-------|--|
| 1 | Govt. Middle School Mujahid Town Watta Khel |
| 2 | Govt. Girls High School Shahbaz Sharif Mianwali. |
| 3 | Govt. Boys Primary School Mujahid Town Mianwali |

iii) Temporary Relief Camp

| Sr.No | Name of Camps |
|-------|---|
| 1 | Watta Khel Mujahid Town |
| 2 | Govt. Primary School Mohallah Alam Khel Mianwali. |

1

| Circle | Name of Revenue Officer | Kanongo. |
|---------------------|--|---|
| Wan Bhachran | N.T.Wanbhachran Ph: No.03006072602 | Kanungo Wan Ph: No. 03006092604 |

1. Tractor-trollies excavator with the names and contact numbers

| Sr.No | Mauza | Name of Tractor's Owner | Contact No. |
|-------|----------------------|---|--------------|
| 1 | Wan Bhachran Janobi | Khan Muhammad S/o Ghulam Rasool Caste Awan | 0302-3539249 |
| 2 | Wan Bhachran Janobi | Haji Khan Muhammad S/O Muhammad Ameer Caste Jaat Sand | 0302-6344083 |
| 3 | Wan Bhachran Janobi | Allah Dad S/O Sher Muhammad Caste Ganjhera. | 0301-3957598 |
| 4 | Wan Bhachran Janobi | Mian Muhammad Ashraf S/O Fazal Kareem Caste Miana | 0300-6096118 |
| 5 | Wan Bhachran Shumali | Muhammad Ameer S/O Fateh Khan Caste Pathan Sher Gul Khel | 0334-7937186 |
| 6 | Wan Bhachran Shumali | Inam Ullah Khan S/O Muhammad Sultan Caste Ganjhera | 0300-6080245 |
| 7 | Wan Bhachran Shumali | Muhammad baksh S/O Haji Muhammad Caste Bhachar | 0300-7804925 |
| 8 | Wan Bhachran Shumali | Muhammad Akram S/O Muhammad Muzafar Caste Ganjhera | 06006088083 |
| 9 | Muzafar Pur Shumali | Basher Ahmad S/O Sultan Ahmad Caste Kundi. | 0302-3967788 |
| 10 | Muzafar Pur Shumali | Nazir Ahmad S/O Ali Muhammad Caste Bharoka | 0301-2097914 |
| 11 | Muzafar Pur Shumali | Muhammad Iqbal S/O Ghulam Muhammad Caste Kundi. | 0308-7895494 |
| 12 | Muzafar Pur Shumali | Sultam Mahmood S/O Haji Umer Caste Sand | 0301-7806301 |

2. Village Volunteers Committee

| Sr.No | Mauza | Name of Volunteer | Contact No. |
|-------|----------------------|---|--------------|
| 1 | Muzafar Pur Shumali. | Abdul Rehman S/O Muhammad Ramzan Caste Kundi. | 0307-7049042 |
| 2 | Muzafar Pur Shumali. | Muhammad Ashraf S/O Tofail Ahmad Caste Kundi | 0300-3966884 |
| 3 | -do- | Bashir Ahmad s/o Sultan Ahmad Kundi | 03023967788 |
| 4 | -do- | Muhammad Iqbal s/o Ghulam Muhammad Kundi | 03087895494 |
| 5 | -do- | Sultan Mahmood s/o Haji Umar Sand | 03017806301 |
| 6 | Shadia Shumali | Alam sher S/O Muhammad Caste Khadial | 0300-6087184 |
| 7 | Shadia Shumali | Muhammad Muzafar S/O Muhammad Caste Jaat | 0301-6564543 |
| 8 | Shadia Shumali | Muhammad S/O Muhammad Amer Caste Awan Chatay Khel. | 0306-7030510 |
| 9 | Wan Bhachran Janubi | Khan Muhammad S/O Ghulam Rasool | 0302-3539249 |
| 10 | -do- | Haji Khan Muhammad S/O Muhammad Ameer | 0302-6344083 |
| 11 | -do- | Mian Muhammad Ashraf s/o Fazal Karim Miana | 03006096118 |

| | | | |
|----|----------------------|--|--------------|
| 12 | Wan Bhachran Shumali | Muhammad Ameer S/O Muhammad Sultan | 0300-6083405 |
| 13 | -do- | Muhammad Ameer S/O Fateh Khan Cast Pathan Sher Gul Khel | 03017131005 |
| 14 | -do- | Inam Ullah Khan S/O Muhammad Sultan Caste Ganjhera | 03006093048 |
| 15 | -do- | Muhammad Bakhsh s/o Haji Muhammad Bhachar | 03007804925 |
| 16 | -do- | Muhammad Akram s/o Muhammad Muzaffar Bhachar | 03006024683 |

3. **Quantity and demand for the water tanks of drinking water (Chief Officer,MC + Assistant Commissioner Concerned.)**

The concerned revenue staff along with Secretary Union Council Wan Bhachran will make Arrangements.

4. **Provision of the food items including dry food items with the names & contact Number of the providers/manufacturers of these items.**

Measurements to be taken for the transportation of the food items.

5. **Provision of tents along with availability + requirements**

6 **Formation of Relief Camps.**

i) **Permanent Relief Camp**

| Sr.No | Name of Camp |
|-------|--|
| 1 | Govt. Boys High School Near Railway Station Wan Bhachran |

ii) **Temporary Relief Camp**

| Sr.No | Name of Camp |
|-------|--|
| 1 | Dera Muhammad Bakhsh Wan Bhachran Shumali. |
| 2 | Agency Golla Ganjera Chandani Wan Bhachran Janubi. |
| 3 | Dera Alam Sher Khadal Wala Shadia Shumali |
| 4 | Dera Waris Natal Wala. Shadia Janubi. |

| Circle | Name of Revenue Officer | Kanongo. |
|---------|--|--------------------------------|
| Rokhari | Revenue Officer Rokhri Ph: No.03004517318 | Kanungo Ph: No. 03000687567 |

1. Tractor-trollies excavator with the names and contact numbers

| Sr.No | Mauza | Name of Tractor's Owner | Contact No. |
|-------|----------------------|---|--------------|
| 1 | Tari Khel Kacha | Sher Khan S/O Abdul Aziz Khan | Nil |
| 2 | Do | Ghulam Abbas Khan s/o Sarwar Khan | Nil |
| 3 | Do | Sadar Khan S/O Muhammad Khan | Nil |
| 4 | Do | Hansat Ullah Khan S/O Ghulam Sarwar Khan | 0301-5544875 |
| 5 | Do | Aftab Khan S/O Sultan khan | Nil |
| 6 | Fateh Khan Wala | Abdul Razak S/O Ghulam Sarwar | Nil |
| 7 | Do | Faiz Muhammad S/O Ghulam Muhammad | Nil |
| 8 | Muhammad Sharif Wali | Jamshed Shah S/O Noor Muhammad Shah | Nil |
| 9 | Do | Muhammad Akbar S/O Muhammad Muzafar | Nil |
| 10 | Muhammad Wala | Ghulam Hussain alias Kala Khan S/O Din Muhammad | 03006091586 |
| 11 | Do | Muhammad Tariq S/O Muhammad Aslam Mamakzai. | Nil |
| 12 | Rokhari Khacha | Alam Khan S/O Faiz Ullah Khan | Nil |
| 13 | Do | Aman Ullah Khan S/O Amer Khan | Nil |
| 14 | Do | Atta Ullah Khan S/O Muhammad Hayat khan | Nil |
| 15 | Do | Asgar Khan Qatalu Khel | Nil |
| 16 | Do | Zia Ullah Khan s/o Ahmad Nawaz Khan | 03006087952 |
| 17 | Do | Ghulam Shabir S/O Wazir | Nil |
| 18 | Do | Dost Muhammad S/O Ghulam Hussain | Nil |
| 19 | Do | Baher Ahmad S/O Ghulam Hussain | Nil |
| 20 | Do | Amer Nawaz S/O Abdul Rehman | Nil |
| 21 | Noranga | Mazhar Ali Shah S/O Ilfat Hussain | Nil |
| 22 | Qureshian | Khan Muzafar Khan S/O Sirdar Khan | 0300-6049600 |
| 23 | Do | Rabnawaz Khan S/O Muhammad Baksh | 0301-3958946 |

Owner of Private Boats

| Sr.No | Mauza | Name of Volunteer | Contact No. |
|-------|----------------------|--------------------------------------|--------------|
| 1 | Fateh Khan Wala | Sultan S/O Ramzan | 0306-6964830 |
| 2 | Do | Sultan Hassan Khan S/O Muhammad Khan | 0306-3956893 |
| 3 | Do | Sher Muhammad S/O Abdul Rehman | 0301-7806313 |
| 4 | Muhammad Sharif Wali | Muhammad Rafiq S/O Muhammad Usman | 0306-6351943 |
| 5 | Maddat Wala | Noor Muhammad S/O Abdul Rehman | 0300-6086781 |
| 6 | Do | Hameed Ullah S/O Ghulam Rasool | 0346-5793374 |
| 7 | Do | Sher Muhammad S/O Abdul Rehman | 0301-7806313 |

2. Village Volunteers Committee

| Sr.No | Mauza | Name of Volunteer | Contact No. |
|-------|----------------------|---|--------------|
| 1 | Tari Khel Kacha | Sher Khan S/O Abdul Aziz Khan | Nil |
| 2 | do | Sana Ullah Khan S/O Saad Ullah Khan | 0306-3953317 |
| 3 | do | Hansat Ullah Khan S/O Ghulam Sarwar Khan | 0301-5544875 |
| 4 | do | Aftab Khan S/O Sultan khan | Nil |
| 5 | Fateh Khan Wala | Abdul Razak S/O Ghulam Sarwar | Nil |
| 6 | do | Faiz Muhammad S/O Ghulam Muhammad | Nil |
| 7 | do | Muhammad Amer S/O Ramzan Rehan | Nil |
| 8 | do | Allah Dad S/O Muhammad Hussain Otra | Nil |
| 9 | do | Rustam S/O Dasi | Nil |
| 10 | Muhammad Sharif Wali | Jamshed Shah S/O Noor Muhammad Shah | Nil |
| 11 | do | Muhammad Akbar S/O Muhammad Muzafar | Nil |
| 12 | do | Muhammad Iqbal S/O Muhammad Nawaz | Nil |
| 13 | do | Muhammad Iqbal S/O Muhammad Musa | Nil |
| 14 | do | Najeeb Ullah S/O Ghulam Naser | Nil |
| 15 | Muhammad Wala | Muhammad Ashraf S/O Ahmad | Nil |
| 16 | do | Ahmad Nawaz S/O Muhammad Nawaz | Nil |
| 17 | do | Muhammad Aslam Khan S/O Saad Ullah Khan | Nil |
| 18 | do | Muhammad Khan S/O Ahmad Khan | Nil |
| 19 | do | Muhammad Tariq S/O Muhammad Aslam Mamakzai. | Nil |
| 20 | Noranga | Mazhar Ali Shah S/O Ilfat Hussain | Nil |
| 21 | Qureshian | Khan Muzafar Khan S/O Sirdar Khan | 0300-6049600 |
| 22 | do | Muhammad Nawaz S/O Ahmad Khan | 0300-5691097 |
| 23 | do | Rab Nawaz S/O Muhammad Baksh | Nil |
| 25 | do | Sajad Hussain Shah S/O Allah Baksh | Nil |
| 26 | do | Rab Nawaz S/O Sultan | Nil |
| 27 | do | Khan Muzafar Khan S/O Sirdar Khan | Nil |
| 28 | do | Rabnawaz Khan S/O Muhammad Baksh | 0301-3958946 |
| 29 | Maddat Wala | Ishfaq Ahmad Khan S/O Ghulam Yaseen Khan | Nil |
| 30 | do | Arshad Khan S/O Ghulam Hussain | Nil |
| 31 | do | Noor Muhammad S/O Abdul Rehman | Nil |
| 32 | do | Ahmad Nawaz Khan S/O Muhammad Afzal Khan | Nil |
| 33 | Rokhari Khacha | Ghulam Akbar khan S/O Bahadar Khan | Nil |

| | | | |
|------|-------------|--|--------------|
| 34 | do | Inayat Ullah Khan S/O Shahjahan Khan | Nil |
| 35 | do | Habib Ullah khan S/O Amer Khan | Nil |
| 36 | do | Aman Ullah khan S/O Mukarab Khan | Nil |
| 37 | do | Ghulam Shabir S/O Wazir | Nil |
| 38 | Chak Doshri | Abdul Ghafoor S/O Allah Diwaya | 0306-3959522 |
| 39 | do | Mustafa S/O Ghulam Muhammad | Nil |
| 40 | do | Ramzan S/O Abdul Sattar | 0301-8171271 |
| 41 | do | Ansar S/O Ghulam Yaseen | 0302-6354045 |
| 42 | do | Zia Ullah Khan S/O Haji Ahmad Nawaz Khan, Hathi Khel | 0300-6087952 |
| 43 | Noranga | Mazhar Ali Shah S/O Irfat Hussain | Nil |
| 4445 | do | Sayad Muhammad Raza Shah S/O Atta Hussain Shah | Nil |
| 46 | do | Muhammad Amer S/O Fateh Muhammad | Nil |
| 47 | do | Muhammad Ramzan S/O Muhammad Sultan | 0301-7808115 |
| 48 | do | Ghulam Abbas S/O Muhammad Suleman | Nil |
| 49 | do | Ghulam Hussain S/O Ahmad | 0346-5539514 |
| 50 | do | Mazhar Ali Shah S/O Iltaf Hussian Shah | 0301-7808060 |
| 51 | do | Muhammad Taqi Shah S/O Lutfat Shah | Nil |
| 52 | Qureshian | Muhammad Nawaz S/O Ahmad Khan | 0300-5691097 |

3. **Quantity and demand for the water tanks of drinking water CHIEF OFFICER, MC Concerned.**

The concerned revenue staff along with sectary union council Rokhari will make Arraignments.

4. **Provision of the food items including dry food items with the names & contact Number of the providers/manufactures of these items.**

Measurements to be taken for the transportation, of the food items.

| Sr.No | Name Of Shop Keeper | Contact No. |
|-------|---------------------|--------------|
| 1 | Abdullah | 0303-7491520 |
| 2 | Rabnawaz | 0312-7010616 |
| 3 | Saabir Hussain Shah | 0334-7935267 |
| 4 | Abdullah Shah | 0301-6357001 |
| 5 | Sultan | 0300-6088596 |
| 6 | Saif Ullah Khan | 0302-5586912 |
| 7 | Muhammad Aslam khan | 0344-6880619 |
| 8 | Ubaid Ullah Khan | 0301-8060670 |
| 9 | Ameer Abbas | 0345-5833159 |
| 10 | Sajid Khan | 0302-6088913 |

5. **Provision of tents along with availability + requirements**

| Sr.No | Name of Mauza | Tent Requirement |
|-------|----------------------|------------------|
| 1 | Tari Khel Kacha | 260 |
| 2 | Fateh Khan Wala | 120 |
| 3 | Muhammad Sharif Wali | 100 |
| 4 | Muhammad Wala | 150 |
| 5 | Maddat Wala | 230 |
| 6 | Rokhari Kacha | 10 |
| 7 | Chak Doshri | 5 |
| 8 | Noranga | 15 |
| 9 | Qureshian | 60 |

6 **Formation of Relief Camps.**
i) **Permanent Relief Camp**

| Sr.No | Name of Camp |
|-------|--------------------------------|
| 1 | Middle School Tari Khel Kacha. |
| 2 | Union Council Rokhari |

iv) **Temporary Relief Camp**

| Sr.No | Name of Camp |
|-------|-------------------------|
| 1 | Middle School Tari Khel |
| 2 | Union Council Rokhari |

| Circle | Name of Revenue Officer | Kanongo. |
|-----------|---|--------------------------------|
| Daud Khel | Revenue Officer Daudkhel Ph: No. 03004517318 | Kanungo Ph: No. 03447861344 |

1. Tractor-trollies excavator with the names and contact numbers

| Sr.No | Mauza | Name of Tractor's Owner | Contact No. |
|-------|--------------------|---------------------------------------|--------------|
| 1 | Daud Khel Pacca | Ameer Abdullah Khan S/O Mahar Khan | 0301-5736038 |
| 2 | Do | Khan Zaman S/O Muhammad Zaman | 0303-7071673 |
| 3 | Do | Ehsan Ullah S/O Mhar Khan | 0302-3373058 |
| 4 | Do | Sana Ullah Khan S/O Fateh Khan | 0305-4414575 |
| 5 | Do | Ameer Abdullah Khan S/O Muhammad Khan | 0306-3954505 |
| 6 | Daud Khel Kacha | Muhammad Asgar Khan S/O Asbar Khan | 0301-6083589 |
| 7 | Do | Abdul Kareem S/O Noor Khan | 0301-8606053 |

| | | | |
|----|------------------------------|---|--------------|
| 8 | Do | Hafiz Ulah S/O Shafi Ullah | 0301-7802116 |
| 9 | Do | Abdul Jabar S/O Ghulam Abbas Khan | 0302-3958850 |
| 10 | Do | Wali Dad Khan S/O Ameer Kalam khan | 0301-6351276 |
| 11 | Mari | Tajamal Hussain Shah S/O Mohib Hussain Shah | 0333-9838314 |
| 12 | Do | Afzal Hussain Shah S/O Sher Bahadar | 0300-6080224 |
| 13 | Do | Rajab Hussain Shah S/O Karam Hussain Shah | 0347-6959035 |
| 14 | Do | Ghulam Raza S/O Abdul Aziz | 0302-8559960 |
| 15 | Do | Sager Hussain S/O Muhammad Din | 0343-6871454 |
| 16 | Dhair Umaid Ali Shah | Tanver Abbas S/O Ghulam Hasan | 0301-6351170 |
| 17 | Do | Haji Sharafat Hussain S/O Ghulam Murtaza | 0300-5566592 |
| 19 | Do | Gulzar Hussain S/O Nizam Ud Din | 0302-7370102 |
| 20 | Thati | Fateh Muhammad S/O Ranjha | 0301-3952950 |
| 21 | do | Riaz S/O Yaseen | 0302-3954595 |
| 23 | do | Muhammad Khan S/O Ghulam Hussain | 0306-5247323 |
| 24 | do | Zia Ullah Kan S/O Dost Muhammad Khan | 0301-2359032 |
| 25 | Bokhara | Zaka Ullah S/O Amer Abdullah Khan | 0300-5472730 |
| 26 | do | Muhammad Sakhi Ullah Khan S/O Ghulam Qadir Khan | 0302-4050255 |
| 27 | Kot Balian | Amer Muhammad S/O Dost Muhammad | 0346-5510236 |
| 29 | Wasti Shah Gul Muhammad Wali | Mujahid Abbas S/O Gul Muhammad | 0301-6355322 |
| 30 | do | Toqer Abbas S/O Muhammad Wazir | 0301-7807713 |
| 31 | do | Iqbal Khan S/O Umer Hayat Khan | 0301-5049310 |
| 32 | do | Ghulam Abbas S/O Allah Baksh | 0302-7108554 |
| 33 | do | Saleem Abbas Shah S/O Abdul Sattar Shah | 0302-3953299 |
| 34 | do | Ghulam Haider S/O Ghulam Hurr | 0306-6353843 |
| 35 | Zareef Wala | Atta Muhammad S/O Ghulam Muhammad | 0308-4988974 |
| 36 | do | Samand Khan S/O Mamrez khan | 0306-5560773 |
| 37 | do | Aslam Khan S/O Ahmad Khan | 0300-6093203 |
| 38 | do | Dilasa Khan S/O Muqarab Khan | 0300-2696510 |
| 39 | Pai Khel Kacha | Sher Ahmad S/O Muhammad Akbar Khan | 0306-8606190 |
| 40 | do | Abdul Rehman S/O Muhammad Afzal | |
| 41 | Balian | Manzoor Khan S/O Sher Muhammad Khan | 0300-2204535 |
| 42 | do | Abdul Rehman S/O Barkhud dar | |
| 43 | do | Amer Abdullah khan S/O Bahadar khan | |
| 44 | Muhammad Yar Wala | Muhammad Sadiq S/O Ghulam Muhammad | |
| 45 | Mochh Pacca | Wali Dad Khan S/O Allah Dad Khan | 0306-8864011 |
| 46 | do | Shahid Amer Khan S/O Mati Ullah Khan | 0300-6095536 |
| 47 | do | Habib Ullah Khan S/O Abdul Khan | 0300-6087805 |

| | | | |
|----|-------------|--|--------------|
| 49 | do | Zaka Ullah Khan S/O Amer Abdullah Khan | 0313-7752360 |
| 51 | do | Ahmad Khan S/O Amer Abdullah Khan | 0306-3966586 |
| 53 | do | Saif Ullah Khan S/O Abdullah Khan | 0301-8600740 |
| 54 | do | Shahid Hameed Khan S/O Mati Ullah Khan | 0300-6095536 |
| 56 | Hindal Wala | Ghulam Rasool S/O Raza Muhammad | 0301-3954534 |
| 57 | do | Muhammad Ramzan S/O Mureed Ahmad | 0306-3961503 |
| 58 | do | Ghulam Shabir S/O Noor Muhammad | 0302-3839101 |
| 59 | do | Ghulam Naser S/O Noor Muhammad | 0306-6354787 |
| 60 | do | Muhammad Hussain S/O Ghulam Hussain | 0301-7806519 |
| 62 | do | Ghulam Shabir S/O Abdul Aziz | 0305-7412985 |
| 63 | do | Muhammad Amer S/O Abdul Aziz | 0308-5759372 |
| 65 | do | Rafi Ullah Khan S/O Wali Dad | 0303-3087972 |
| 66 | do | Inayat Ullah S/O Jahanger khan | Nil |
| 67 | do | Irbareem S/O Ahmad | Nil |
| 68 | do | Amer Qalam Khan S/O Shahwali Khan | 0302-8837146 |
| 69 | do | Shafi Ullah Khan S/O Samand Khan | 03063959885 |
| 70 | do | Haji Majeed Ullah Khan S/O Shahwali | 0301-2099828 |
| 71 | do | Abdul Latif S/O Ghulam Yasin | 0301-5496415 |
| 74 | do | Muhammad Hanif S/O Ghulam Qadir | 0302-3962235 |
| 75 | do | Fazal Ur Rehman S/O Pahalwan | 0303-6373508 |
| 76 | do | Abdul Rashid S/O Ghulam Naseer | 0306-6748852 |
| 77 | do | Hameed Ullah S/O Ghulam Qadir | Nil |
| 78 | do | Qasim S/O Abdul Aziz | 0306-7805832 |
| 79 | do | Saif Ullah S/O Yaar Muhammad | Nil |
| 80 | do | Asmat Ullah Khan S/O Atta Ullah Khan | 0343-6898295 |
| 81 | do | Inayat Ullah Khan S/O Wali Dad Khan | Nil |
| 82 | do | Muhammad Ashraf S/O Muhammad Hayat | 0302-6357220 |
| 83 | do | Ghulam Fareed S/O Muhammad Yaar | 0303-7524683 |
| 84 | do | Said Ahmad S/O Muhammad Nawaz | 0302-3959516 |
| 85 | Rustam Wala | Ghulam Rasool S/O Ghulam Sarwar Khan | 0306-6352292 |
| 86 | do | Shahbaz Khan S/O Ghulam Sarwar Khan | 0346-552422 |
| 87 | do | Kaleem Akhtar Khan S/O Rab Nawaz | 0301-7809944 |
| 88 | do | Sadiq khan S/O Bahadar Khan | 0306-6775672 |
| 89 | do | Ghulam Qadir Khan S/O Bahadar Khan | 0306-3960288 |
| 90 | do | Abid Khan S/O Ghulam Rasool Khan | 0346-5524703 |
| 91 | do | Mati Ullah Khan S/O Atta Muhammad Khan | Nil |
| 92 | do | Haleem Akhtar S/O Rabnawaz Khan | 0301-6354712 |
| 93 | do | Muhammad Nasar Ullah S/O Muhammad Nawaz Khan | 0301-7802676 |
| 94 | Dhop Sari | Muhammad Ramzan S/O Muhammad Hayat | 0301-3952066 |
| 96 | do | Ghulam Fareed S/O Khuda Yaar | 0302-3963292 |
| 97 | Otra Kalan | Muhammad Aslam Khan S/O Saif Ullah Khan | 0301-6350298 |
| 98 | do | Khaliq Dad S/O Sher | 0306-7804581 |

| | | | |
|-----|------------------|--|--------------|
| 99 | do | Nazar Abbas S/O Ghulam Hurr | 0308-3288386 |
| 100 | do | Basher Nawaz S/O Muhammad Nawaz | 0301-6357432 |
| 101 | do | Ahmad Nawaz S/O Malik Daraz | 0305-6471214 |
| 102 | Otra Khurad | Ahmad Nawaz S/O Abdullah | 0300-6088317 |
| 103 | do | Sajid Hussain S/O Nazar Hussain | 0302-6359944 |
| 104 | do | Abdul Hameed S/O Ghulam Muhammad | 0308-4964925 |
| 105 | do | Sager Hussain S/O Ahmad Sher | 0307-7507590 |
| 106 | do | Muhammad Iqbal S/O Ghulam Shabir | 0308-7891712 |
| 107 | Daraz Wala Kalan | Zia Ullah S/O Ghulam Muhammad Khan | Nil |
| 108 | do | Asmat Ullah Khan S/O Ahmad Khan | 0301-6357712 |
| 109 | do | Muhammad Ashraf S/O Abdul Kareem Khan | 0300-6086472 |
| 110 | do | Muhammad Ashraf Khan S/O Muhammad Khan | 0300-6080543 |

Owner of Private Boats

| Sr.No | Mauza | Name of Volunteer | Contact No. |
|-------|------------|---|--------------|
| 1 | Dhop Sari | Ghulam Shabir S/O Abdul Aziz | 0305-7412985 |
| 2 | Mari Indus | Ijaz Hussain Shah S/O Muhammad Hussain Shah | 0344-6859236 |
| 3 | Mari Indus | Noor Muhammad S/O Gul Muhammad | |
| 4 | Mari Indus | Ghulam Muhammad S/O Gul Muhammad | |
| 5 | Mari Indus | Amer Muhammad S/O Allah Wasaya | |
| 6 | Mari Indus | Ghulam Naser S/O Abdul Raheem | |

2. Village Volunteers Committee

| Sr.No | Mauza | Name of Volunteer | Contact No. |
|-------|------------------|--|--------------|
| 1 | Daud Khel Pacca | Riaz Ullah S/O Umer Hayat Khan | 0301-6358335 |
| 2 | do | Ghulam Hassan Khan S/O mahar Khan | 0308-4970950 |
| 3 | do | Muhammad Zilqarnain S/O Ghulam Shabir | 0300-5757294 |
| 4 | do | Sayad Mujaid Mahdi S/O Lal Hussain Shah | 0307-5357312 |
| 5 | do | Zulqarnain Mahdi Shah S/O Anwar Hussain Shah | 0308-7895822 |
| 6 | Daud Khel Katcha | Muhammad Nawaz Khan S/O Atta Ullah Khan | 0301-6351487 |
| 7 | do | Abdul Malik S/O Abdul Sattar | 0302-6722725 |
| 8 | do | Amer Khan S/O Ahmad Khan | 0301-5742448 |
| 9 | do | Dost Ali S/O Ahmad Khan | 0342-4322817 |
| 10 | do | Shafi Ullah Khan S/O Khan Zaman Khan | 0306-7808979 |
| 11 | do | Muhammad Asif Khan S/O Sultan Mahmood Khan | 0302-5479628 |

| | | | |
|----|------------------------------|--|--------------|
| 12 | Mari Indus | Niaz Hussain Hashmi S/O Ghulam Habib Hashmi | 0333-9835258 |
| 13 | do | Rajab Hussian Shah S/O Ikram Hussain Shah | 0347-6959035 |
| 14 | do | Iltaf Hussain S/O Ghulam Murtaza | 0343-6870763 |
| 15 | do | Wajid Hussian S/O Lal Hussain Shah | 0345-5808362 |
| 16 | do | Mulazim Hussain S/O Muhammad Azam | 0343-8776512 |
| 17 | Dher Umaid Ali Shah | Haji Sharafat Hussain S/O Ghulam Murtaza | 0300-5566512 |
| 18 | do | Ghulam Abbas S/O Muhammad Nawaz | 0306-7138905 |
| 19 | do | Ahmad Murtaza Shah S/O Javed Shah | 0300-7786912 |
| 20 | do | Asad Mustafa Shah S/O Muhammad Mahdi Asger Shah S/O Mahdi Asger Shah | 0300-7767398 |
| 21 | do | Zafar Abbas S/O Gul Abbas Shah | 0301-5637766 |
| 22 | Thathi | Habib Ullah S/O Diwaya | 0300-6094184 |
| 23 | do | Abdul Ghafar S/O Pahlwan Khan | 0302-7203875 |
| 24 | do | Baher Ahmad S/O Muhammad Rafiq | 0300-6089807 |
| 25 | do | Muhammad Saeed S/O Khalil | 0306-2083337 |
| 26 | do | Ahmad Khan S/O Budha Khan | 0300-2875950 |
| 27 | Bukhara | Zaka Ullah Khan S/O Amer Abdullah Khan | 0300-5472730 |
| 28 | do | Nayar Abas S/O Muhammad Abid Shah | 0300-6090089 |
| 29 | do | Muhammad Hussain S/O Ghulam Shabir | 0301-7806841 |
| 30 | do | Nazar Abbas S/O Ameer Muhammad | 0302-6355289 |
| 31 | do | Amer Gul W/O Muhammad Nawaz | 0301-5429980 |
| 32 | Kot Balian | Ameer Muhammad S/O Dost Muhammad | 0346-5510236 |
| 33 | do | Imtiaz Ahmad Shah S/O Said Ameer Shah | 0301-7099514 |
| 34 | do | Manzoor Hussain Shah S/O Noor Zaman Shah | 0306-7800495 |
| 35 | do | Riaz Hussain Shah S/O Nazar Hussain Shah | 0306-5214695 |
| 36 | do | Ameer Abdullah Khan S/O Muhammad Iqbal Khan | 0307-7814579 |
| 37 | Wasti Shah Gul Muhammad Wali | Rafi Ullah S/O Muhammad Nawaz | 0306-6353550 |
| 38 | do | Imdad Hussain Shah S/O Noor Muhammad | 03008397445 |
| 39 | do | Asad Abbas S/O Ghulam Muhammad | 0303-5791698 |
| 40 | do | Kifayat Ullah S/O Ahmad Nawaz | 0301-7322491 |
| 41 | do | Tanver Abbas S/O Ghulam Shabir | 0302-4819014 |
| 42 | Zareef Wala | Ayaz Khan S/O Taaj Muhammad | 0306-7817473 |
| 43 | do | Akbar Khan S/O Muhammad Aslam Khan | 0308-7871043 |
| 44 | do | Irfan S/O Ghulam Rasool | 0306-7818012 |
| 45 | do | Ibraheem S/O Rabnawaz | 0306-6343821 |

| | | | |
|----|----------------|--|--------------|
| 46 | do | Atta Muhammad S/O Ghulam Muhammad | 0308-4988974 |
| 47 | Pai Khel Pacca | Shahid Khan S/O Maqsood Khan | 0302-3994668 |
| 48 | do | Imran S/O Muraad | 0302-7754765 |
| 49 | do | Azmat Ullah Khan S/O Rab Nawaz Khan | -- |
| 50 | do | Muhammad Sharif S/O Ahmad Khan | -- |
| 51 | do | Ali Khan S/O Ahmad Khan | -- |
| 52 | do | Zafar Ullah Khan S/O Muhammad Akbar Khan | -- |

Quantity and demand for the water tanks of drinking water (CHIEF OFFICER, MC + AC Concerned.)

The concerned revenue staff along with Sectary Union Council Daud Khel will make Arrangements.

4. **Provision of the food items including dry food items with the names & contact Number of the providers/manufacturers of these items.**

Measurements to be taken for the transportation of the food items.

5. **Provision of tents along with availability + requirements**

| Sr. No. | Name of Mauza | Tent Requirement |
|--------------|------------------|------------------|
| 1 | Utra Kalan | 140 |
| 2 | Daraz Wala Kalan | 150 |
| 3 | Utra Khurad | 70 |
| 4 | Daud Khel Katcha | 50 |
| 5 | Hindal Wala | 70 |
| 6 | Rustam Wala | 100 |
| 7 | Zareef Wala | 100 |
| 8 | Dhop Sari | 60 |
| 9 | Bukhara | 20 |
| 10 | Mari Indus | 200 |
| 11 | Mochh Katcha | 40 |
| Total | | 1000 |

- 6 **Formation of Relief Camps.**

v) **Permanent Relief Camp**

| Sr.No | Name of Camp |
|-------|------------------------------------|
| 1 | Girls High School Daud Khel |
| 2 | Boys Higher Secondary School Mochh |

vi) **Temporary Relief Camp**

| Sr.No | Name of Camp |
|-------|-------------------------------------|
| 1 | Girls School Mari Indus. |
| 2 | Govt. Boys Primary School Dhopsari. |

| Circle | Name of Revenue Officer | Qanungo. |
|-----------------|---|--|
| Chakrala | Revenue Officer Chakrala 03006072602 | Kanungo Chakrala 03029836369 |

1. Tractor-trollies excavator with the names and contact numbers

| Sr.No | Mauza | Names of Tractor's Owners | Contact Nos. |
|-------|---------------------------|-----------------------------------|--------------|
| 1 | Kaalri | Hafiz Roshan S/O Nazar Muhammad | 0302-2889664 |
| 2 | Wandhi Bhamjeeran Wali | Ghulam Muhammad S/O Muhammad Khan | 0302-2860919 |
| 3 | Dhibba Karsial | Muhammad Aslam S/O Madat | 0301-5244793 |
| 4 | Nammal | Muhammad Iltaf | 0333-8504982 |
| 6 | Thamey Wali | Aman Ullah S/O Atta Muhammad | 0345-8962174 |
| 7 | do | Gul Muhammad S/O Ghulam Muhammad | 0345-8962174 |
| 8 | do | Din Muhammad S/O Mian Raanjha | 0345-8962174 |
| 9 | Nawwan | Noor Muhammad S/O Ahmad | 0346-7160684 |
| 10 | Chakrala | Iqbal s/o Said Ameer | 03026358670 |
| 11 | Peer Pahai | Jaleel Khan S/O Lal Maast Khan | 03005203161 |

Requirements of Boats.

| Sr.No. | Name of Circle | Requirements |
|--------|----------------|--------------|
| 1. | Chakrala | Nil |

Owners of Private Boats

| Sr.No | Mauza | Name of Owners | Name of Operators/Drivers | Contact No. |
|-------|-------|----------------|---------------------------|-------------|
| 1 | Nil | Nil | Nil | Nil |

2. Village Volunteers Committee

| Sr.No | Mauza | Name of Volunteer | Contact No. |
|-------|---------------------------|-------------------------------------|--------------|
| 1 | Kaalri | Ahmad Khan S/O Habdal | 0300-6099984 |
| 2 | Do | Sher Muhammad S/O Muhammad Khan | 0301-8271244 |
| 3 | Do | Noor Khan S/O Fateh Khan | 0346-7160684 |
| 4 | Do | Muhammad Khan S/O Allah Yaar | 0346-7160684 |
| 5 | Wandhi Bhamjeeran Wali | Muhammad Iltaf S/O Sultan Sikandar | 0300-3536973 |
| 6 | Do | Imtiaz S/O Mhar Elahi | 0307-8151419 |
| 7 | Do | Tariq Mahmood S/O Nazeer Ahmad | 0302-6359572 |
| 8 | Do | Abdul Razaq S/O Abdul Rehman | 0302-6357839 |
| 9 | Dhibba Karsial | Muhammad Iqbal S/O Dost Muhammad | 03005502301 |
| 10 | Do | Ahmad Khan S/O Muhammad Khan | 0302-5292949 |
| 11 | Do | Javaid Iqbal S/O Mahar Khan | 03357057074 |
| 12 | Nammal | Muhammad Iltaf | 0333-8504982 |
| | | Mumtaz S/O Noor Khan | 0300-6399922 |
| 13 | Do | Muhammad Faiz S/O Muhammad Khan | 0336-7659088 |
| 14 | Thammay Wali | Aman Ullah S/O Atta Muhammad | 0346-7160684 |
| 15 | Do | Gul Muhammad S/O Ghulam Muhammad | 0345-8962174 |
| 16 | Do | Din Muhammad S/O Mian Raanjha | 0345-8962174 |
| 17 | Nawwan | Muhammad Ashraf S/O Allah Bakhsh | 0344-5930838 |
| 18 | Do | Noor Elahi S/O Aurangzaib | 0308-2340400 |
| 19 | Do | Muhammad Iqbal S/O Sirdar Khan | 0345-8461534 |
| 20 | Chakrala | Karam Dad Khan S/O Muhammad Khan | 0344-6894883 |
| 21 | Do | Muhammad Farooq Lumberdar | 0336-7244132 |
| 22 | Do | Abdul Jabar s/o Abdul Razzaq | 0300-6098162 |
| 23 | Peer Pahai | Syed Javed Shah Lumbardar Mochh | 03025697922 |

3. Quantity and demand for the water tanks of drinking water (CHIEF OFFICER, MC + Assistant Commissioner Concerned.)

| Sr.No | Qanungoi Circle | Water Tanks Required |
|-------|-----------------|----------------------|
| 1 | Chakrala | Nil |

The concerned revenue staff along with Sectary Union Council will make Arrangements.

4. Provision of the food items including dry food items with the names & contact Number of the providers/manufacturers of these items.

Measurements to be taken for the transportation, of the food items.

Circle Revenue Officer Chakrala/Qanungo will make the arrangements.

List of Shopkeepers

| Sr.No | Name Of Shop Keeper | Contact No. |
|-------|---|--------------|
| 1 | Muhammad Ismail Karyana Store Chakrala. | 0345-8668963 |
| 2 | Muhammad Khalid Karyana Store Chakrala. | 0303-5778846 |
| 3 | Zahid Ahmad Karyana & General Store Ban Hafiz Jee. | 0307-7815419 |
| 4 | Muhammad Farooq Karyana Store. | 0345-8962174 |

Provision of tents along with availability + requirements

| Sr.No | Qanungoi Circle | Tents Requirement |
|-------|-----------------|-------------------|
| 1 | Chakrala | Nil |

6 Formation of Relief Camps.

vii) Permanent Relief Camp

| Sr.No | Name of Camp |
|-------|--------------------------------|
| 1. | Ban Hafiz Jee Circle Chakrala. |
| 2. | Thammay Wali |

| Circle | Name of Revenue Officer | Qanungo. |
|-----------|---|--|
| Musa Khel | CRO Musa Khel Ph: No. 03088109027 | Kanungo Musakhel Ph. No. 03006082336 |

1. Tractor-trollies excavator with the names and contact numbers

| Sr.No | Mauza | Name of Tractor's Owner | Contact No. |
|-------|---------------------|--|--------------|
| 1 | Musa Khel Janubi | Akhtar Abbas Khan S/O Ghulam Abbas Khan | 0300-6086312 |
| 3 | do | Tanveer Abbas Khan S/O Ghulam Abbas Khan | 0300-3476061 |
| 4 | do | Samand khan S/O Kamand Khan | 0302-6357694 |
| 6 | do | Mohammad Iqbal Khan S/O Alam Khan | 0307-2691383 |
| 7 | do | Haji Norang khan S/O Sher Khan | 0303-2282609 |
| 8 | do | Jahan Shah S/O Mohammad Shah | 0302-5091725 |
| 9 | do | Berum Khan S/O Fateh Khan | 0307-5385301 |

| | | | |
|----|--------------------|--|--------------|
| 10 | do | Mohammad Akbar Khan S/O Atta Mohammad | 0303-7324033 |
| 12 | do | Mirza Khan S/O Ghazi Khan | 0343-6893155 |
| 13 | do | Asmat Ullah Khan S/O Mirza Khan | 0300-6081679 |
| 14 | do | Mohammad Khan S/O Mohammad Nawaz | 0302-3951791 |
| 15 | Bazaar | Abdul Ghafoor S/O Gul Jahan | 0301-6359037 |
| 16 | do | Maqbool Khan S/O Abdul Ghafoor Khan | 0306-7802799 |
| 17 | do | Abdul Ghaafar Khan S/O Shabeer Mohammad Khan | 0300-6093824 |
| 19 | Sultan Wala Sharqi | Ahmed Khan S/O Muzafar Khan | 0331-4711039 |
| 20 | do | Jahangir Khan S/O Ahmed Khan | 0331-7217408 |
| 21 | do | Mohammad Khan S/O Mohammad Zaman | 0307-6739112 |
| 22 | do | Atta Ullah S/O Jeelani | 0306-5293199 |
| 23 | do | Hameed Ullah Khan S/O Jahan Khan | 0304-6605535 |
| 24 | do | Mohammad Aslam Khan S/O Fateh Khan | 0302-3958692 |
| 25 | do | Yaaki Khan S/O Jahan Khan | 0300-6089752 |
| 26 | do | Yousuf Khan S/O Mohammad Shah | 0300-6087051 |
| 28 | Chhidroo | Haji Ramzan S/O Jahan | 0300-6084449 |
| 29 | Do | Haji Mehboob S/O Ali khan | 0300-6090832 |
| 30 | do | Mohammad Basheer S/O Ali Khan | 0300-6097710 |
| 31 | do | Khan Ameer S/O Ali Khan | 0300-6097710 |
| 32 | do | Faiz Ullah Khan S/O Aziz Ullah Khan | 0300-4223709 |
| 33 | Ghundi | Abbas Khan S/O Khan Mohammad Khan | 0345-5821810 |
| 34 | do | Himmat Khan S/O Mohammad Akbar khan | 0345-5518298 |
| 35 | do | Nasar Ullah Khan S/O Mawaz Khan | 0302-3286437 |
| 36 | do | Mamreez khan S/O Gadai khan | 0306-6543840 |
| 37 | Abba Khel | Sher khan S/O Fateh Khan | 0300-6097725 |
| 38 | do | Ahmed khan S/O Muqarab Khan | 0300-6086707 |
| 39 | do | Asmat Ullah Khan S/O Abdullah Khan | 0306-6352903 |
| 40 | do | Anwar khan S/O Hidayat Ullah khan | 0300-7936030 |
| 41 | do | Younas khan S/O Mohammad Khan | 0306-3581466 |
| 42 | do | Khizar Hayat S/O Mohammad Khan | 0344-5336274 |
| 43 | do | Ahmed Khan S/O Aadam Khan | 0301-7230052 |
| 44 | do | Umar Hayat Khan S/O Sher khan | 0306-7803964 |

| | | | |
|----|--------------------|---|--------------|
| 45 | Musa Khel Darmiani | Mohammad Ameer khan S/O Ahmed khan | 0306-5140579 |
| 47 | do | Neemat Ullah Khan S/O Muzafar khan | 0300-7783819 |
| 52 | Boori Khel | Izaat Khan S/O Gul khan | 0300-2276294 |
| 54 | do | Abdul Sattar khan S/O Tora baaz khan | 0300-2276294 |
| 55 | do | Mohammad Akram khan S/O Haqnawaz khan | 0300-2276294 |
| 56 | do | Yaseen S/O Hayat | 0300-2276294 |
| 57 | do | Abdul Sattar S/O Hayat | 0300-2276294 |
| 58 | do | Haji Ahmed S/O Hayat | 0300-2276294 |
| 59 | do | Munsab khan S/O Saif Ullah Khan | 0300-2276294 |
| 60 | do | Sardar Khan S/O Malook Khan | 0305-7142086 |
| 61 | do | Sardar khan S/O Sher Ali khan | 0305-7142086 |
| 62 | do | Mohammad Akram Khan S/O Mohammad Afzal Khan | 0301-2045663 |
| 63 | do | Mohammad Nawaz S/O Ahmed Gul Khan | 0301-2045663 |

Requirements of Boats.

| Sr.No. | Name of Circle | Requirements |
|--------|----------------|--------------|
| 1. | Musa Khel | Nil |

Owners of Private Boats

| Sr.No | Mauza | Name of Owners | Name of Operator/Drivers | Contact Nos. |
|-------|-------|----------------|--------------------------|--------------|
| 1 | Nil | Nil | Nil | Nil |

2. Village Volunteers Committee

| Sr.No | Mauza | Names of Volunteers | Contact Nos. |
|-------|------------------|--|--------------|
| 1 | Musa Khel Janubi | Aamir Khan S/O Mohammad Ameer Khan | 0301-6354141 |
| 2 | do | Akhtar Abbas Khan S/O Ghulam Abbas Khan | 0300-6086312 |
| 3 | do | Mohammad Ismail Khan S/O Ghulam Mohayyudin | 0301-6355613 |
| 4 | do | Asmat Ullah Khan S/O Mirza Khan | 0300-6081679 |
| 5 | do | Aman Ullah Khan S/O Ameer Abdullah Khan | 0344-6870215 |
| 6 | do | Aalam Khan S/O Rabnawaz Khan | 0315-6097639 |
| 7 | do | Abdul Qayum Khan S/O Misri Khan | 0301-5694386 |

| | | | |
|----|--------------------|---|--------------|
| 8 | do | Abdul Ghaffar Khan S/O Sher Mohammad Khan | 0300-6093824 |
| 9 | Sultan Wala Sharki | Atta Ullah Khan S/O Mohammad Azam Khan | 0301-3109984 |
| 11 | do | Zafar Iqbal Khan S/O Ahmed Shah | 0331-7200196 |
| 12 | do | Ahmed Shah S/O Umar Hayat | 0301-6359305 |
| 13 | do | Rafi Ullah Khan S/O Fateh Khan | 0301-3955896 |
| 14 | Chiddroo | Mohammad Ashraf S/O Mohammad Zaman | 0301-6718507 |
| 15 | do | Wazeer Khan S/O Maani Khan | 0306-8562819 |
| 16 | do | Mohammad Akram S/O Daleel Khan | 0331-7200180 |
| 17 | Ghundi | Mohammad Raza Khan S/O Khan Bahadur Khan | 0302-5211767 |
| 18 | do | Shafa Ullah Khan S/O Mast Khan | 0342-4535445 |
| 19 | do | Ali Khan S/O Dost Ali Khan | 0301-5558840 |
| 20 | Abba Khel | Sher Mohammad S/O Ghulam Mohammad | 0306-6356844 |
| 21 | do | Hafeez Ullah Khan S/O Habib ullah kHan | 0300-5540843 |
| 22 | do | Mohammad kHan S/O Iqbal Khan | 0334-7205600 |
| 23 | do | Habib Ullah Khan S/O Allah Yaar khan | 0300-6089866 |
| 24 | Musa Khel Darmiani | Abdul Latif Ullah khan S/O Sher khan | 0301-7800088 |
| 25 | do | Sher khan S/O Mohammad Nawaz khan | 0302-3963104 |
| 26 | do | Sher Mohammad Khan S/O Shahjahan khan | 0301-7807545 |
| 27 | do | Fateh Khan S/O Lumberdar | 0303-2127488 |
| 28 | Boori Khel | Atta Ullah Khan S/O Khan beg Khan | 0334-7245339 |
| 29 | do | Najeeb Ullah Khan S/O Atta Ullah | 0334-7245339 |
| 30 | do | Haaybat khan S/O Mohammad Akbar khan | 0300-7001155 |
| 31 | do | Haqnawaz khan S/O Ameer khan | 0300-7001155 |
| 32 | do | Mohammad Ameer khan S/O Ahmed khan | 0301-2932455 |

3. **Quantity and demand for the water tanks of drinking water (**

| Sr.No | Qanungoi Circle | Water Tanks Required |
|-------|-----------------|----------------------|
| 1 | Musa Khel | 5 |

The concerned revenue staff along with Secretary Union Council Musa Khel will make Arrangements.

4. **Provision of food items including dry food items with the names & contact Number of the providers/manufacturers of these items.**

Measurements to be taken for the transportation of the food items.

Circle Revenue Officer Musa Khel/Qanungo will make the arrangements.

List of Shopkeepers

| Sr.No | Name of Shopkeepers | Contact No. |
|-------|---|-----------------------------|
| 1 | Haji Muhammad Mumtaz Khan Hafiz Karyana Store Musa Khel. | 0305-7274049 0453-394023 |
| 2 | Basher Ahmad Khan S/O Umer Hayat Khan Basher Karyana Store Main Bazar Musa Khel. | 0300-6087369 |
| 3 | Anwar Khan S/O Rab Nawaz Khan Anwar Karyana Store Abba khel. | 0345-5556039 |
| 4 | Abdul Ghafoor S/O Gul Jahan Naroo Karyana Store Skasaar Moor Bazaar. | 0301-6359037 |
| 5 | Safi Ullah Khan S/O Mawaz Khan Safi Karyana Store Ghundi. | 0300-6083437 |
| 6 | Khuda Daad Khan S/O Sikandar Khan Daad Karyana Store Ghundi. | 0308-4976223 |
| 7 | Malik Ikhlaaq, Ikhlaaq Karyana Store Chiddroo. | 0342-7753573 |
| 8 | Abdul Ghaani Khan S/O Khan Ameer Khan Ghaani Karyana Store Chiddroo. | 0334-6486822 |
| 9 | Haq Nawaz S/O Ameer Khan Ameer Karyana Store Boori Khel | 0300-7001155 |

5. **Provision of tents along with availability + requirements**

| Sr.No | Name of Mauza | Tent Requirement |
|--------------|--------------------|------------------|
| 1 | Musa Khel Shumali | 8 |
| 2 | Musa Khel Janubi | 7 |
| 3 | Boori Khel | 10 |
| 4 | Bazaar | 10 |
| 5 | Chiddroo | 10 |
| 6 | Sultan Wala Sharki | 5 |
| Total | | 50 |

6 **Formation of Relief Camps.**

iii) Permanent Relief Camp

| Sr.No | Name of Camps |
|-------|-------------------------|
| 1 | Union Council Musa Khel |
| 2 | Abba Khel |
| 3 | Chiddroo Union Council |
| 4 | Union Council Sawans |
| 5 | Abba Khel Union Council |
| 6 | Musa Khel Union Council |
| 7 | Musa Khel Union Council |

iv) Temporary Relief Camp

| Sr.No | Name of Camps |
|-------|-------------------------|
| 1 | Union Council Musa Khel |
| 2 | Abba Khel |
| 3 | Chidroo Union Council |
| 4 | Musa Khel Union Council |

FLOOD FIGHTING ARRANGEMENTS BY THE OFFICE OF THE ASSISTANT COMMISSIONER, TEHSIL ISAKHEL

RODER:-

A detailed report regarding flood situation on daily basis will be intimated at already established Tehsil Flood Center in Assistant Commissioner Office at Contact telephone No. 0459-285111, which is functioning round the clock.

The following Mauza wise Volunteers Committees have been constituted who help the District Administration for evacuation and rehabilitation of peoples in case of high flood. The details of sectors are given as under.

| Sector Number and Name | Name of Sector Officer/Supporting Staff | Phone # | Cell # |
|--|--|----------------|---------------|
| (1) Govt. High School, Isa Khel | Muhammad Riaz Khan, N.T Isa Khel. | 0459-285111 | 0306-7805181 |
| | Saqib Ali, (Social Welfare Officer), Isa Khel. | 0459-286068 | 03337648914 |
| | Dr. AKhtar Abbas, Medical Superintendent, Civil Hospital, Isa Khel | 0459-285018 | 0300-6097428 |
| | Muhammad Altaf, Veterinary Assistant, Isa Khel | | 0302-6353587 |
| | Abdul Jabbar, Food Inspector, Isa Khel | | 03006097745 |
| | Khalid Mehmood, C.O, MC Isa Khel | 0459-285005 | 030301640443 |
| | Sher Khan, Kgo, Isa Khel | | 0300-6085772 |
| | Habib ullah khan, GHS, Isa Khel with One teacher. | 0459-285039 | 03017808225 |
| | Abdul Qayyum , Patwari, Mauza Qazi Wala | | 0300-6086214 |
| | Mukhtiar Nasir, Patwari Mauza Paka Kundal | | 0301-3951353 |
| | Zahid Shah, Patwari Mauza Paka Attak Paniala | | 0308-7878469 |
| (2) Govt. High School, Kaloor | Kaleem Ullah Khan, N.T Isa Khel. | 0459-285111 | 0306-7805181 |
| | Jaffar, Dispenser Incharge, BHU Kaloor | | 0300-9098427 |
| | Zahoor Ahmed, Secretary, U/C Kaloor | | 0300-6091686 |
| | Mian Alam sher, Kgo, Kaloor | | 03157011163 |
| | Muhammad Suhail, Headmaster, GHS Kaloor with One Teacher. | 0459-398363 | 0300-9880704 |
| | Muhammad Tariq Khan, Agri Field Assistant, Kaloor | | 0301-3957181 |
| | Muhammad Munir Patwari, Mauza Kaloor | | 03084989742 |
| | Muhammad Zulfiqar Khan Patwari, Mauza Kacha Kas Umar Khan | | 0333-9833761 |
| | Sajid Iqbal Patwari, Mauza Paka Kas Umar Khan.. | | 03013052636 |
| | Fayyaz Ahmed Khan Patwari, Mauza China Pura | | 0302-6355137 |
| | Nayar Sajad Kaloo Khel & Adil Shah Wala. | | 03027155985 |

| | | | |
|---|---|-------------|--------------|
| (3) Govt. High School, Trag Sharif | Kaleem Ullah Khan, N.T Isa Khel. | 0459-285111 | 03067805181 |
| | Dr. Shabir, Incharge RHC Trag. | | 0333-5508257 |
| | Zaheer Abbas, Veterinary Assistant, Kamar Mushani. | | 0301-3957119 |
| | Abdul Sattar, Veterinary Assistant, Trag. | | 0301-6357565 |
| | Ghulam Shabir Khan, Agri Field Assistant, Trag | | 0301-5050349 |
| | Mehar Muhammad, KGO, Trag | | 0300-7284705 |
| | Muhammad Naeem Shah Patwari, Trag Sharqi | | 0301-3959439 |
| | Arif Din Patwari, Mauza Trag Gharbi Shumali | | 0306-7847965 |
| | Muhammad Tariq Mehmood Patwari Mauza Sultan Khel shraqi | | 03006086214 |
| | Muhammad Akbar, Secretary U/C Trag. | | 0308-7890329 |
| | Javed Hassan , Headmaster, GHS Trag City with One Teacher | | 0300-8104006 |
| (4) Govt. Higher Secondary School, Kamar Mushani | Muhammad Riaz Khan, N/T, Circle Kamar Mushani. | 0459-285111 | 0302-4806749 |
| | Dr., Zafar Kamal Incharge MS, RHC Kamar Mushani | 0459-397766 | 03006000491 |
| | Abdul Sattar Khan, Agri Inspector Kamar Mushani. | | 0302-3957259 |
| | Zaheer Abbas, Veterinary Assistant, Kamar Mushani. | | 0301-3957119 |
| | Ghulam Habib Khan, Secretary U/C Kamar Mushani. | 0459-397432 | 0300-4752909 |
| | Zarmin Shah, Principal, GHSS, Kamar Mushani with One Teacher. | 0459-397102 | 0302-3954034 |
| | Mian Alam sher, Kgo, Kamar Mushani | | 03157011163 |
| | Altaf Ahmed Khan Patwari, Mauza Sodhri No. 2 | | 0300-6089454 |
| | Yousaf khan Patwari, Mauza Kacha Kamar Mushani No. 1 | | 03465793127 |
| | Liaqat Ali Khan Patwari, Mauza Ahmed Wala | | 0300-0902555 |
| | Abaid Ullah Khan, Patwari, Dala Mir Wala No. 2. | | 0301-3959952 |
| (5) Town Committee Kalabagh | Muhammad Riaz khan NT Kalabagh. | 0459-285111 | 3024806749 |
| | Dr. Ghulam Sarwar, Incharge MS, THQ Level Hospital Kalabagh. | | 0333-6835880 |
| | Dr. Umair, Veterinary Officer, Kalabagh. | | 0333-6837950 |
| | Muhammad Qaisar, Veterinary Assistant, Kalabagh. | | 0306-7803706 |
| | Mumtaz khan , Kgo, Kalabagh | | 03006085293 |
| | Shaukat Nawaz Khan Patwari, Patwari Mauza Kalabagh | | 0300-6092251 |
| | Muhammad Ramzan Patwari, Mauza Jalalpur | | 03077911338 |
| | Rafi Ullah Khan Patwari, Mauza Khudazai | | 0343-8776167 |
| | Muhammad Anwar , Patwari Mauza Manda Khel | | 03013959761 |
| | Muhammad Ismail, Secretary U/C No.14, Tabi Sar | | 0333-9830652 |
| | Nazeer Ahmed Shah, Agri Inspector, Kalabagh | | 0300-8363489 |
| | Feroz Ud Din, Headmaster GES, Kalabagh with one teacher. | | 0333-6869222 |

Centre No.1**Govt. High School, Isa Khel**

| Sector Number and Name | Name of Sector Officer/Supporting Staff | Phone # | Cell # |
|--|--|----------------|---------------|
| (1) Govt. High School, Isa Khel | Muhammad Riaz Khan, N.T Isa Khel. | 0459-285111 | 0306-7805181 |
| | Saqib Ali, (Social Welfare Officer), Isa Khel. | 0459-286068 | 03337648914 |
| | Dr. AKhtar Abbas, Medical Superintendent, Civil Hospital, Isa Khel | 0459-285018 | 0300-6097428 |
| | Muhammad Altaf, Veterinary Assistant, Isa Khel | | 0302-6353587 |
| | Abdul Jabbar, Food Inspector, Isa Khel | | 03006097745 |
| | Khalid Mehmood, C.O, MC Isa Khel | 0459-285005 | 030301640443 |
| | Sher Khan, Kgo, Isa Khel | | 0300-6085772 |
| | Habib ullah khan, GHS, Isa Khel with One teacher. | 0459-285039 | 03017808225 |
| | Abdul Qayyum , Patwari, Mauza Qazi Wala | | 0300-6086214 |
| | Mukhtiar Nasir, Patwari Mauza Paka Kundal | | 0301-3951353 |
| | Zahid Shah, Patwari Mauza Paka Attak Paniala | | 0308-7878469 |

Centre No.2**Govt. High School, Kaloor**

| Sector Number and Name | Name of Sector Officer/Supporting Staff | Phone # | Cell # |
|--|---|----------------|---------------|
| (2) Govt. High School, Kaloor | Kaleem Ullah Khan, N.T Isa Khel. | 0459-285111 | 0306-7805181 |
| | Jaffar, Dispenser Incharge, BHU Kaloor | | 0300-9098427 |
| | Zahoor Ahmed, Secretary, U/C Kaloor | | 0300-6091686 |
| | Mian Alam sher, Kgo, Kaloor | | 03157011163 |
| | Muhammad Suhail, Headmaster, GHS Kaloor with One Teacher. | 0459-398363 | 0300-9880704 |
| | Muhammad Tariq Khan, Agri Field Assistant, Kaloor | | 0301-3957181 |
| | Muhammad Munir Patwari, Mauza Kaloor | | 03084989742 |
| | Muhammad Zulfiqar Khan Patwari, Mauza Kacha Kas Umar Khan | | 0333-9833761 |
| | Sajid Iqbal Patwari, Mauza Paka Kas Umar Khan.. | | 03013052636 |
| | Fayyaz Ahmed Khan Patwari, Mauza China Pura | | 0302-6355137 |
| | Nayar Sajad Kaloo Khel & Adil Shah Wala. | | 03027155985 |

Centre No.3
Govt. High School, Trag Sharif

| Sector Number and Name | Name of Sector Officer/Supporting Staff | Phone # | Cell # |
|---|---|-------------|--------------|
| (3) Govt. High School, Trag Sharif | Muhammad Kali mullah khan, N/T Circle Trag | 0459-285111 | 03067805181 |
| | Dr. Shabir, Incharge RHC Trag. | | 0333-5508257 |
| | Zaheer Abbas, Veterinary Assistant, Kamar Mushani. | | 0301-3957119 |
| | Abdul Sattar, Veterinary Assistant, Trag. | | 0301-6357565 |
| | Ghulam Shabir Khan, Agri Field Assistant, Trag | | 0301-5050349 |
| | Mehar Muhammad, KGO, Trag | | 0300-7284705 |
| | Muhammad Naeem Shah Patwari, Trag Sharqi | | 0301-3959439 |
| | Arif Din Patwari, Mauza Trag Gharbi Shumali | | 0306-7847965 |
| | Muhammad Tariq Mehmood Patwari Mauza Sultan Khel shraqi | | 03006086214 |
| | Muhammad Akbar, Secretary U/C Trag. | | 0308-7890329 |
| | Javed Hassan , Headmaster, GHS Trag City with One Teacher | | 0300-8104006 |

Centre No.4
Govt. Higher Secondary School, Kamar Mushani

| Sector Number and Name | Name of Sector Officer/Supporting Staff | Phone # | Cell # |
|---|---|-------------|--------------|
| (4) Govt. Higher Secondary School, Kamar Mushani | Muhammad Riaz Khan, N/T, Circle Kamar Mushani. | 0459-285111 | 0302-4806749 |
| | Dr., Zafar Kamal Incharge MS, RHC Kamar Mushani | 0459-397766 | 03006000491 |
| | Abdul Sattar Khan, Agri Inspector Kamar Mushani. | | 0302-3957259 |
| | Zaheer Abbas, Veterinary Assistant, Kamar Mushani. | | 0301-3957119 |
| | Ghulam Habib Khan, Secretary U/C Kamar Mushani. | 0459-397432 | 0300-4752909 |
| | Zarmin Shah, Principal, GHSS, Kamar Mushani with One Teacher. | 0459-397102 | 0302-3954034 |
| | Mian Alam sher, Kgo, Kamar Mushani | | 03157011163 |
| | Altaf Ahmed Khan Patwari, Mauza Sodhri No. 2 | | 0300-6089454 |
| | Yousaf khan Patwari, Mauza Kacha Kamar Mushani No. 1 | | 03465793127 |
| | Liaqat Ali Khan Patwari, Mauza Ahmed Wala | | 0300-0902555 |
| | Abaid Ullah Khan, Patwari, Dala Mir Wala No. 2. | | 0301-3959952 |

Centre No.5
Town Committee Kalabagh

| Sector Number and Name | Name of Sector Officer/Supporting Staff | Phone # | Cell # |
|--|--|-------------|--------------|
| (5) Town Committee Kalabagh | Muhammad Riaz khan NT Kalabagh. | 0459-285111 | 3024806749 |
| | Dr. Ghulam Sarwar, Incharge MS, THQ Level Hospital Kalabagh. | | 0333-6835880 |
| | Dr. Umair, Veterinary Officer, Kalabagh. | | 0333-6837950 |
| | Muhammad Qaisar, Veterinary Assistant, Kalabagh. | | 0306-7803706 |
| | Mumtaz khan , Kgo, Kalabagh | | 03006085293 |
| | Shaukat Nawaz Khan Patwari, Patwari Mauza Kalabagh | | 0300-6092251 |
| | Muhammad Ramzan Patwari, Mauza Jalalpur | | 03077911338 |
| | Rafi Ullah Khan Patwari, Mauza Khudazai | | 0343-8776167 |
| | Muhammad Anwar , Patwari Mauza Manda Khel | | 03013959761 |
| | Muhammad Ismail, Secretary U/C No.14, Tabi Sar | | 0333-9830652 |
| | Nazeer Ahmed Shah, Agri Inspector, Kalabagh | | 0300-8363489 |
| | Feroz Ud Din, Headmaster GES, Kalabagh with one teacher. | | 0333-6869222 |

LIST OF AMBULANCE DRIVERS WORKING UNDER NGOs & HOSPITALS, ISA KHEL

| Sr. No. | Name of NGO/Hospital | Vehicle No. | Name of Driver | Mobile Number |
|---------|------------------------------|--------------------|-----------------------------------|---------------|
| 1 | Khawaja Welfare Society Trag | | Ghulam Rasool S/O Muhammad Ramzan | 0308-7891292 |
| 2 | THQ Hospital, Isa Khel. | MIE-1003 | Ambulance attached with 1122. | 0459397700 |
| 3 | RHC Trag | APF | Sana Ullah Khan | 0301-6355481 |
| 4 | RHC Kamar Mushani | X-67-AF | Ambulance attached with 1122. | 0301-7800988 |
| 5 | THQ Kalabagh | MIA-3961 X-67AS | Ambulance attached with 1122. | 0300-6080631 |
| 6 | RHC Tabi Sar | MIA-1407 | Muhammad Israr Khan | 0344-7986327 |

DETAIL OF TRACTOR TROLLY/BOAT OWNERS CIRCLE ISA KHEL

| Sr. No. | Village | Name of owner | Boat | Tractor | Trolley | Contact No. |
|---------|---------------------|---|------|---------|---------|--------------|
| 1 | Kacha Kundal | Falaksher S/O Saad Ullah Solangi | 1 | 1 | 1 | 0303-2124136 |
| 2 | -do- | Haji Sultan S/o Ramzan Solangi | 1 | 1 | 1 | 0301-4058133 |
| 3 | -do- | Muhammad Ramzan S/O Zaman | 1 | 1 | 1 | 0300-6086491 |
| 4 | -do- | Abdul Ghafar S/o Suleman | 1 | 1 | 1 | 03009061280 |
| 5 | -do- | Mushtaq S/O Ghulam Ali | 1 | 1 | 1 | NIL |
| 6 | -do- | Shafi Ullah S/O Amir Gul, Gorni | 1 | 1 | 1 | NIL |
| 7 | -do- | Khizar Hayat S/O Umar Hayat Ichral | 1 | 1 | 1 | 0300-3361326 |
| 8 | -do- | Liaqat S/O Suleman, Solangi | 1 | 1 | 1 | 0301-5855820 |
| 9 | do | Hayat S/O Sultan, Solangi | 1 | 1 | 1 | 0306-7805581 |
| 10 | Qazi Wala | Muhammad Siddique S/O Muhammad Zaman Cheena | - | 1 | 1 | 0304-6622677 |
| 11 | -do- | Ghulam Shabir S/O Muhammad Zaman | 1 | 1 | - | 0303-3084496 |
| 12 | -do- | Haji Suleman S/O Muhammad Hayat Cheena | 1 | 1 | 1 | 0300-6088046 |
| 13 | -do- | Ahmed Nawaz S/O Ghulam Hassan Cheena | 1 | 1 | 1 | 0302-3954813 |
| 14 | -do- | Ghulam Yasin S/O Muhammad Zaman Cheena | - | 1 | 1 | 0307-5469360 |
| 15 | -do- | Zawar Hussain S/O Mehar Muhammad Guley Khel | - | 1 | - | NIL |
| 16 | -do- | Mati Ullah S/O Rehman Chinal | - | 1 | 1 | NIL |
| 17 | -do- | Muhammad Riaz S/O Muhammad Ramzan Sewra | - | 1 | 1 | NIL |
| 18 | -do- | Bilal S/O Iqbal Sewra | - | 1 | 1 | NIL |

DETAIL OF TRACTOR TROLLY OWNERS CIRCLE KALOOR

| Sr. No. | Village | Name of owner | Boat | Tractor | Trolley | Contact No. |
|---------|----------------------------|---|------|---------|---------|--------------|
| 1 | Kacha Kas Umar Khan | Abdul Razaq S/O Shahbaz Kalu | - | 1 | 1 | 0301-6357148 |
| 2 | -do- | Ashraf S/O Mustafa Kalu | - | 1 | 1 | 0300-7783479 |
| 3 | -do- | Najeeb Ullah S/O Khaliqdad Chinal | - | 1 | 1 | 0346-5507804 |
| 4 | -do- | Aziz Ullah S/O Muhammad Amir Chinal | - | 1 | 1 | 0302-9587641 |
| 5 | -do- | Ghulam Hussain S/O Ghulam Rasool | - | 1 | 1 | 0308-6838821 |
| 6 | -do- | Shabir S/O Ghulam Rasool Helar | - | 1 | 1 | 0302-7813721 |
| 7 | -do- | Sultan S/O Ghulam Rasool Helar | - | 1 | 1 | 0345-5820726 |
| 8 | -do- | Nizam S/O Zaman Helar | - | 1 | 1 | 0306-5302948 |
| 9 | -do- | Membar Abdul Rehman S/o Said Rasool | - | 1 | 1 | 03006080276 |
| 10 | -do- | Muhammad Zia Ullah S/O Amir Alam | 1 | - | - | 0301-8946911 |
| 11 | Cheena Pura | Muhammad Khalid S/O Atta Muhammad Kalu | - | 1 | 1 | 0302-3968607 |
| 12 | -do- | Nazar Muhammad S/O Ali Muhammad | - | 1 | 1 | 0300-6098721 |
| 13 | -do- | Muhammad Riaz S/O Rabnawaz Kalu | - | 1 | 1 | 0301-6357921 |
| 14 | -do- | Mureed Abbas S/O Ghulam Haider | - | 1 | 1 | 0301-7271414 |
| 15 | -do- | Sabir Hussain S/O Aashiq Hussain Utra | - | 1 | 1 | 0306-7819286 |
| 16 | -do- | Asmat Ullah S/O Ghulam Haider | - | 1 | 1 | 0300-8192764 |
| 17 | -do- | M. Mansoor Suleman S/O Muhammad Suleman | - | 1 | 1 | 0302-9304360 |
| 18 | -do- | Muhammad Aziz S/O Muhammad Khan | - | 1 | 1 | 0306-2446065 |
| 19 | -do- | Tauqir Abbas S/O Ghulam Murtaza | - | 1 | 1 | 0302-3968512 |
| 20 | -do- | Nazar Hussain S/O Ghulam Qadir | 1 | - | - | 0307-5549635 |
| 21 | -do- | Khadim Hussain S/O Muhammad Nawaz | - | 1 | 1 | 0300-6081286 |
| 22 | -do- | Ghulam Habib S/O Ghulam Cheena | - | 1 | 1 | 0306-7812195 |
| 23 | -do- | Altaf S/O Rab Nawaz Utra | - | 1 | 1 | 0301-6350793 |
| 24 | -do- | Mushtaq Hussain S/O Ghulam Muhammad | - | 1 | 1 | 0301-3956660 |

| | | | | | | |
|----|------------------------------|--|---|---|---|--------------|
| 25 | -do- | Farooq S/O Sohrat Utra | - | 1 | 1 | 0305-5848414 |
| 26 | -do- | Abdul Jabbar S/O Bahar Muhammad | - | 1 | 1 | 0300-9867522 |
| 27 | -do- | Mukhtiar Hussain S/O Yar Muhammad | - | 1 | 1 | 0300-6085716 |
| 28 | -do- | Nazir Ahmed S/O Shabbir Ahmed Sewra | - | 1 | 1 | 0306-3957190 |
| 29 | -do- | Mujeed Ilah S/O Muhammad Nawaz | - | 1 | 1 | 0307-4855559 |
| 30 | -do- | Ijaz Hussain S/O Ghulam Abbas Pura | - | 1 | 1 | 0300-6088113 |
| 31 | -do- | Attar S/O Ghulam Fareed | - | 1 | 1 | 0301-2442018 |
| 32 | -do- | Muhammad Ibraheem S/O Ghulam Rasool | - | 1 | 1 | 0300-7144306 |
| 33 | -do- | Abdul Sattar Farooqi S/O Allah Yar Kalu | - | 1 | 1 | 0305-7895322 |
| 34 | -do- | Muhammad Siddique S/O Muhammad Hayat | - | 1 | 1 | 0301-8018693 |
| 35 | -do- | Muhammad Asif Nawaz S/O Ghulam Muhammad Kalu | - | 1 | 1 | 0306-7815946 |
| 36 | Kacha Noor Zaman Shah | Muhammad Saeed S/O Muhammad Sher Chinal | 1 | 1 | 1 | 0308-6344091 |
| 37 | -do- | Muhammad Younas S/O Ghulam Rasool | 1 | 1 | - | 0300-6081624 |
| 38 | -do- | Ghulam Shabbir S/O Noor Muhammad | 1 | 1 | - | 0303-9676477 |
| 39 | -do- | Faiz Muhammad S/O Ghulam Muhammad | 1 | 1 | - | 0306-8081802 |
| 40 | -do- | Haq Nawaz S/O Niaz Muhammad | 1 | - | - | NIL |
| 41 | -do- | Muhammad Ishfaq S/O Ghulam Hussain | 1 | - | - | 0305-7739867 |
| 42 | -do- | Muhammad Aslam S/O Wazir Chinal | - | 1 | - | 0300-9470277 |
| 43 | -do- | Muhammad Ismail S/O Ghulam Sarwar | - | 1 | - | 0306-5229994 |
| 44 | -do- | Ghulam Bashir S/O Muhammad Wazir | - | 1 | - | 0302-3960599 |
| 45 | -do- | Muhammad Ramzan S/O Ghulam Hussain | - | 2 | - | 0302-3435213 |
| 46 | -do- | Mian Muhammad S/O Alamsher | - | 1 | - | 0304-6744188 |
| 47 | -do- | Abdul Razzaq S/O Gul Sher Chinal | - | 1 | - | 0306-0801236 |
| 48 | -do- | Muhammad Fayyaz S/O Gul Sher | - | 1 | 1 | 0308-6345925 |
| 49 | Kalu Khel | Saif Ullah S/O Atta Muhammad Sewra | 1 | 1 | 1 | 0302-6622748 |
| 50 | -do- | Muhammad Ramzan S/O Noor Ahmed | 1 | 1 | 1 | 0306-5429227 |
| 51 | -do- | Muhammad Riaz S/O Muhammad Ramzan | 1 | 1 | 1 | 0315-4480404 |
| 52 | -do- | Muhammad Riaz S/O Muhammad Sultan | 1 | 1 | 1 | 0305-8494033 |
| 53 | -do- | Gul Nawaz S/O Rab Nawaz | 1 | 1 | 1 | 0301-5745987 |
| 54 | -do- | Mukhtiar Ahmed S/O Faiz Ahmed | 1 | 1 | 1 | 0303-3085217 |
| 55 | -do- | Muhammad Iqbal S/O Noor Muhammad | 1 | 1 | 1 | 0302-4699552 |
| 56 | -do- | Muhammad Saeed S/O Ghulam Farid | 1 | 1 | 1 | 0306-6357156 |
| 57 | Adil Shah Wala | Muhammad Asad S/O Said Ahmed Cheena | 1 | 1 | 1 | 0300-2041873 |
| 58 | -do- | Ahmed Nawaz S/O Sultan Ahmed | 1 | 1 | 1 | 0300-6081292 |
| 59 | -do- | Bashir Ahmed S/O Noor Muhammad | 1 | 1 | 1 | 0306-5527534 |
| 60 | -do- | Bashir Ahmed S/O Peeran Dita | 1 | 1 | 1 | 0300-6083669 |
| 61 | -do- | Noor Muhammad S/O Peeran Dita | 1 | 1 | 1 | 0304-6608491 |
| 62 | -do- | Muhammad Jahangir S/O Maula Dita | 1 | 1 | 1 | 0306-6350560 |
| 63 | -do- | Bashir Nawaz S/O Muhammad Amir | 1 | 1 | 1 | 0304-5344387 |
| 64 | -do- | Muhammad Amir S/O Maula Dita | 1 | 1 | 1 | 0306-6350560 |

DETAIL OF TRACTOR TROLLY/BOAT OWNERS CIRCLE KAMAR MUSHANI

| Sr. No. | Village | Name of owner | Boat | Tractor | Trolley | Contact No. |
|---------|-------------------|-------------------------------------|------|---------|---------|--------------|
| 1 | Janti Wala | Zafar Iqbal S/O Habib Ullah Khan | - | 1 | 1 | 0307-4879812 |
| 2 | -do- | Arif Hussain S/O Muhammad Ramzan | - | 1 | 1 | 0306-8071135 |
| 3 | -do- | Zafar Iqbal S/O Haji Atta Muhammad | - | 1 | 1 | 0302-6355246 |
| 4 | -do- | Najeeb Ullah S/O Habib Ullah Khan | - | 1 | 1 | 0301-6076861 |
| 5 | -do- | Rafi Ullah Khan S/O Dost Muhammad | - | 1 | 1 | 0300-3748860 |
| 6 | -do- | Ghulam Asghar Khan S/O Inayat Ullah | - | 1 | 1 | 0300-4727053 |
| 7 | -do- | Iftikhar Khan S/O Zulfiqar Khan | - | 1 | 1 | 0306-7813507 |
| 8 | Waso Wala | Luqman S/O Muhammad Azam Kalu | - | 1 | 1 | 0303-0693129 |
| 9 | -do- | Ghulam Shabir S/O Ghulam Habib | - | 1 | 1 | 0302-6626271 |
| 10 | -do- | Ghulam Hassan S/O Noor Muhammad | - | 1 | 1 | 0306-5259386 |
| 11 | -do- | Maqbool Ahmed Khan S/O Amir Khan | - | 1 | 1 | 0300-6087841 |
| 12 | -do- | Khan Tahar Khan s/O Sher Dil Khan | - | 1 | 1 | 0300-6097439 |

| | | | | | | |
|----|------------------|--|---|---|---|--------------|
| 13 | -do- | Mehar Dil Khan S/O Abdul Kareem Khan | - | 1 | 1 | 0303-5307070 |
| 14 | -do- | Ghulam Rasool Khan S/O Abdul Raheem | - | 1 | 1 | 0301-3063348 |
| 15 | Daraz Wala Khurd | Ehsan Ullah Khan S/O Muhammad Nawaz, Laal Baig Khel | 1 | - | - | 0301-6080760 |
| 16 | -do- | Muhammad Ramzan S/O Haji Sadiq | 1 | - | - | 0306-9869785 |

DETAIL OF TRACTOR TROLLY/BOAT OWNERS CIRCLE KALABAGH

| Sr. No. | Village | Name of owner | Boat | Tractor | Trolley | Contact No. |
|---------|-------------------|---|------|---------|---------|------------------------------|
| 1 | Khudazai | Inayat Ullah S/O Mamraiz Mohana | 1 | - | - | 0300-6657138 |
| 2 | Manda Khel | Riaz S/O Ashraf | 1 | - | - | 0304-8598136 |
| 3 | Jalalpur | Ali Khan S/O Namdar | 1 | - | - | 0301-3951021 |
| 4 | Ganda | Mohabat Khan S/O Muhammad Khan Liaqat Ali Khan S/O Muhammad Khan | 1 | - | - | 0301-7800722 0300-8365352 |
| 5 | Kalabagh | Muhammad Shakeel S/O Muhammad Shafiq | 1 | - | - | 0336-7261029 |
| 6 | -do- | Muhammad Yousaf S/O Ghulam Ali | 1 | - | - | 0345-5836215 |
| 7 | -do- | Ghulam Hassan S/O Ghulam Ali | 1 | - | - | 0346-7594403 |
| 8 | -do- | Tanveer Hussain S/O Nazir Hussain | 1 | - | - | 0308-5124186 |
| 9 | -do- | Abdul Rashid S/O Abdul Hameed | 1 | - | - | 0343-4760069 |
| 10 | -do- | Mushtaq Ahmed S/O Atta Rasool | 1 | - | - | 0342-7693625 |
| 11 | -do- | Muhammad Arshad S/O Dost Muhammad | 1 | - | - | 0346-2047127 |
| 12 | -do- | Muhammad Imran S/O Ghulam Abbas | 1 | - | - | 0343-6882947 |
| 13 | -do- | Malik Munawar Hussain S/O Sajjad Hussain | 1 | - | - | 0346-3035273 |
| 14 | -do- | Zafar Iqbal S/O Fateh Muhammad | 1 | - | - | 0346-4175422 |
| 15 | -do- | Muhammad Rashid S/O Muhammad Ismail | 1 | - | - | 0336-6640473 |
| 16 | -do- | Amir Abbas S/O Mehar Muhammad | 1 | - | - | 0331-7200529 |
| 17 | -do- | Ghulam Shafiq S/O Allah Dita | 1 | - | - | 0346-5539101 |
| 18 | -do- | Muhammad Ashraf S/O Mehar Muhammad | 1 | - | - | 0334-7240232 |
| 19 | -do- | Nayyar Muhammad S/O Fateh Muhammad | 1 | - | - | 0346-5501482 |
| 20 | -do- | Dilawar Khan S/O Abdul Khaliq | 1 | - | - | 0346-7589100 |
| 21 | -do- | Shaukat Abbas S/O Manzoor Hussain | 1 | - | - | 0334-7650389 |
| 22 | -do- | Muhammad Hassan Askari S/O Fazal Ali | 1 | - | - | 0336-7073809 |
| 23 | -do- | Adnan Farooq S/O Muhammad Safdar | 1 | - | - | 0331-7238089 |

DETAIL OF IMAM MASJID CIRCLE ISA KHEL

MAUZA KUNDAL

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|---------|---|------------------|-------------|
| 1 | Masjid Moh. Shumali Near Muhammad Afzal Numberdar | Muhammad Manzoor | 03077811834 |
| 2 | Masjid Kundal | Muhammad Rafique | 03013857301 |

MAUZA QAZI WALA

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|---------|------------------|---------------|-------------|
| 1 | Masjid Qazi Wala | Ghulam Hassan | 03023954813 |

MAUZA PAKA ATOCK PANIALA

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|---------|----------------------|------------------|-------------|
| 1 | Majid Kari Pawandgan | Najeeb Ur Rehman | 03075778690 |

MAUZA BHUT

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|---------|----------------|----------------|-------------|
| 1 | Masjid Bhut | Muhammad Ahsan | 03327668087 |

MAUZA SHARIF ABAD

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|-----------------------|---------------------|--------------------|
| 1 | Masjid Sharif Abad | Abdul Jalil | 03455839478 |

MAUZA SARKIA

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|-----------------------|---------------------|--------------------|
| 1 | Masjid Sarkia | Iam Din | 03446859754 |

MAUZA ADIL SHAH WALA

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|---------------------------|---------------------|--------------------|
| 1 | Masjid Feqo Khel | Maulvi Rashid | 03027156035 |
| 2 | Masjid Saeed Ahmed Cheena | Mutlib S/O Usman | NIL |

DETAIL OF IMAM MASJID CIRCLE KALOOR**MAUZA KALU KHEL**

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|-----------------------|-------------------------|--------------------|
| 1 | Masjid Sewran Wali | Maulvi Altaf | 03087895886 |
| 2 | Masjid Ramzan Wali | Maulvi Muhammad Mushtaq | 03423505348 |

MAUZA KACHA KAS UMAR KHAN

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|----------------------------|---------------------|--------------------|
| 1 | Masjid Kacha Kas Umar Khan | Ghulam Shabir | 03017802021 |

MAUZA CHEENA PURA

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|---------------------------------|---------------------|--------------------|
| 1 | Masjid Wandha Sedran Wala | Israr Shah | 03067812750 |
| 2 | Masjid Alam Khan Wala | Ghulam Farid | 03026626086 |
| 3 | Masjid Muhammad Nawaz Pora | Tahir Abbas | 03023958084 |
| 4 | Masjid Qataley Wala | Ghulam Mustafa | 03065382537 |
| 5 | Masjid Dera Aashiq Numbdar Wala | Ghulam Shabir | 03067819286 |

MAUZA MADAT WALA

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|------------------------|---------------------|--------------------|
| 1 | Masjid Madat Khan Wala | Abdul Ghaffar | 03023963145 |

DETAIL OF IMAM MASJID CIRCLE TRAG

MAUZA MEHAR SHAH WALI

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|------------------------|---------------------|--------------------|
| 1 | Masjid Mehar shah Wali | Syed Mohsin Hakeemi | 03465509931 |
| 2 | Masjid Ranjhe Wala | Muhammad Siddique | 03319154836 |
| 3 | Masjid Waso Wala | Atta Ullah | 03026626271 |
| 4 | Masjid Janti Wala | Muntazir Mehdi | 03057412941 |

DETAIL OF IMAM MASJID CIRCLE KAMAR MUSHANI

MAUZA KACHA KAMAR MUSHANI

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|--|---------------------|--------------------|
| 1 | Masjid Ayub Khelan Wali | Faqeer Ullah | 03006088971 |
| 2 | Mehdi Masjid, Achran Wali, Samand Wala | Ghulam Bashir | 03023968081 |

DETAIL OF IMAM MASJID CIRCLE KALABAGH

| Sr. No. | Name of Mosque | Name of Imam | Contact No. |
|----------------|--|-----------------------------|--------------------|
| 1 | Munaran Wali Masjid Khudazai | Muhammad Waris | 03447990457 |
| 2 | Darya Wali Masjid Khudaza | Faiz Ullah | 03066716950 |
| 3 | Manja Ghundi Masjid Poss Bhangi Khel | Hafiz Muhammad Yousaf | 03329778598 |
| 4 | Masjid Kamar Sar, Poss Bhangi Khel | Muhammad Sidique Ullah | 03444382692 |
| 5 | Torghari Masjid, Poss Bhangi Khel | Ghulam Shabi | 03454490311 |
| 6 | Tola Chowk Masjid, Poss Bhangi Khel Darmiani | Peer Tariq Shah | 03426872755 |
| 7 | Mado Chanda Masjid, Poss Khel Darmiani | Sobedar Abdul Rauf | 03329611494 |
| 8 | Naryoub Masjid, Poss Bhangi Khel Darmiani | Zafar Ullah Jan | 03446860261 |
| 9 | Tola Bangi Khel Masjid | Anwar Amin | 03345187068 |
| 10 | Masjid Farooq Azam, Jalalpur | Atiq Ur Rehman | 03065213384 |
| 11 | Anwar Madina Masjid Sabo Khel, Jalalpur | Muhamamd Hanif | 03025702651 |
| 12 | Masjid Loharan Wali, Kalabagh | Hafiz Muhammad Khan Sialvi | 03336822486 |
| 13 | Masjid Hafiz Bashir Muhammad, Kalabagh | Hafiz Muhammad Sidiqi Rizvi | 03336826114 |
| 14 | Masjid Eid Gah, Kalabagh | Hafiz Ahmed Khan | 0459-395890 |
| 15 | Bilal Masjid Kalabagh | Hafiz Mowais Ud Din Hashmi | 03026358174 |
| 16 | Masjid Alaf Khel, Tola Mangali | Mumtaz Khan | 03477556628 |
| 17 | Masjid Mohabat Khel, Tola Mangali | Muhammad Rafique | 03446885212 |
| 18 | Masjid Tola Mangali | Noor Ali Khan | 03448019702 |
| 19 | Masjid Kacha Bangi Khel, Londey Bhangi Khel | Maulvi Abdul Rehman | 0459-817235 |
| 20 | Jamia Masjid Nawan Shehr, Kotki | Hafiz Sher Zaman | 03476885918 |
| 21 | Bilal Masjid, Oda Khel, Kotki | Qari Qamar Nawaz | 03446860342 |

**DETAIL OF EXCAVATOR OWNERS CIRCLE
KAMAR MUSHANI**

| Sr. No. | City/ Village | Name of Excavator Owner/Driver | Contact No. |
|---------|---------------|---|----------------------------|
| 1 | Kamar Mushani | Saad Ullah Khan Member Owner Rafi Ullah Khan, Driver | 03006080191 03046598972 |

DETAIL OF NGO'S TEHSIL ISA KHEL

1. ISA KHEL WELFARE SOCIETY.

| Sr. # | Name of Razakar | Designation | Contact No. |
|-------|---|----------------|-------------|
| 1 | Muhammad Muqarab Khan s/O Muhammad Nawaz Khan | Govt. Employee | 03017807260 |
| 2 | Khalid Khan S/O Haji Muhammad Khan | Trader | 03004619955 |
| 3 | Haji Atta Ur Rehman S/O Abdul Rehman | Business | 03458617612 |
| 4 | Muhammad Javed S/O Latif Ullah Hashmi | Employee | 03157146246 |
| 5 | Shahid Awan S/O Haji Atta Ur Rehman | Employee | 03008396959 |

2. IJTIMAI TARQIATI COUNCIL KALoor

| Sr. # | Name of Razakar | Designation | Contact No. |
|-------|---|-------------|-------------|
| 1 | Haji Atta Rasool S/O Ghulam Rasool Kaloor | Business | 03458965061 |
| 2 | Inayat Ullah s/O Hayat Ullah Kaloor | Trader | 03004824238 |
| 3 | Muhammad Nazeer Ahmed Kalyar S/O Amir Ahmed | Employee | 03025245999 |
| 4 | Said Rasool S/O Muhammad Maqbool Kaloor | Farmer | 03003474188 |
| 5 | Asad Iqbal S/O Muhammad Iqbal | Business | 03077810754 |

3. SAMAJI BEHBOOD COUNCIL TRAG

| Sr. #. | Name of Razakar | Designation | Contact No. |
|--------|--|-------------|-------------|
| 1 | Zulfiqar Ullah Khan S/O Saif Ullah Trag | Employee | 03018018609 |
| 2 | Muhammad Mehdi Tanveer Malik S/O Abdul Kareem Malik Trag | Teacher | 03067802201 |
| 3 | Amjad Rehan Khan S/o Bahawal Din Khan Trag | Lecturer | 03017807198 |
| 4 | Najab Haseeb Khan s/O Sana Ullah Khan Trag | Teacher | 03014147659 |
| 5 | Nasar Ullah khan S/O Faiz Ullah Khan Trag | Farmer | 03347662172 |
| 6 | Dr. Abdul Sattar Khan S/O Habib Ullah Khan Trag | Doctor | 03006085606 |

4. KHAWAJA WELFARE SOCIETY TRAG

| Sr. # | Name of Razakar | Designation | Contact No. |
|-------|---|-------------|-------------|
| 1 | Ghulam Muhammad Anwar S/O Ghulam Hussain | Employee | 03016357406 |
| 2 | Javed Iqbal S/O Muhammad Khan Trag | Teacher | 03006094236 |
| 3 | Nasir Iqbal S/O Mohy Ud Din Trag | Teacher | 03006089107 |
| 4 | Ramzan khan S/O Ghulam Hussain Trag | Shop Keeper | 03057274988 |
| 5 | Faiz Muhammad S/O Ghulam Muhammad Trag | Farmer | 03026352495 |
| 6 | Zeeshan Hameed S/O Hameed Ullah Khan Trag | Teacher | 03009724699 |

3. KARWAN COMMUNITY DEVELOPMENT KALABAGH

| Sr. No. | Name of Razakar | Designation | Contact No. |
|----------------|--|--------------------|--------------------|
| 1 | Muhammad Naeem s/O Javed Akhtar Kalabagh | Trader | 03317203168 |
| 2 | Muhammad Azam s/O Ghulam Qadir Kalabagh | Employee | 03465510760 |
| 3 | Muhammad Rustam S/O Ghulam Haider Kalabagh | Employee | 03465504701 |
| 4 | Muhammad Akram S/O Muhammad Shafi Kalabagh | Employee | 03327656603 |
| 5 | Alam Khan S/O Gulistan Khan | Employee | 03436659945 |

4. HELP ORGNIZATION KALABAGH

| Sr. No. | Name of Razakar | Designation | Contact No. |
|----------------|--|--------------------|--------------------|
| 1 | Muneer Hussain S/O Ghulam Hussain Kalabagh | Employee | 03013952971 |
| 2 | Muhammad Irfan S/O Muhammad Rafique Kalabagh | Student | 03448655928 |
| 3 | Ghulam Abbas Kamboh, Kalabagh | Business | 03427617715 |
| 4 | Muhammad Arshad S/O Muhammad Afzal Kalabagh | Business | 03336826446 |
| 5 | Qazi Tariq S/O Fazal Ahmed, Kalabagh | Business | 03336827952 |
| 6 | Javed Iqbal S/O Allah Wasaya Kalabagh | Employee | 03067809774 |
| 7 | Muhammad Kamran S/O Khuda Yar Kalabagh | Student | 03426870660 |
| 8 | Muhammad Rafique Paracha S/O Muhammad Arif | Student | NIL |
| 9 | Muhammad Tariq S/O Muhammad Afzal Kalabagh | Employee | 03426870660 |

5. ISLAHI COMMITTEE SULTAN KHEL

| Sr. No. | Name of Razakar | Designation | Contact No. |
|----------------|---|--------------------|--------------------|
| 1 | Musa Khan S/O Ahmed Khan Sultan Khel | Coal Dealer | 03018073378 |
| 2 | Master Faiz Muhammad S/O Noor Muhammad | Employee | 03066055619 |
| 3 | Hafiz Najeeb Ullah S/o Aman Ullah Sultan Khel | Shop Keeper | 03012018576 |

Flood Fighting Arrangements in Tehsil Piplan by the office of Assistant Commissioner Tehsil Piplan.

1. Arrangements of private boats, tractor-trollies excavator with the names and contact numbers of the Operators/Drivers and the owners of the boats.

| Circle | Name of Revenue Officer | Qanungo. |
|---------------|--|---|
| Kundian Pacca | Muhammad Maqbool, Revenue Officer, KundianPacca/Kacha No. 0345-7073103 | Muhammad Iqbal Girdawar Kundian Pacca |
| KundianKacha | Malik Abdul Rasheed, N.T Kundian Kacha 0300-6098797 | Mr.Inayat Ullah Girdawar Kundian Kacha 0301-7801541 |
| Piplan Pacca | Muhammad Maqbool, Revenue Officer, Piplan No.0300-6022768 | Qamar Shah, Girdawar Piplan 0300-6084334 |
| Alluwali | Malik Abdul Rasheed, N.T Kundian Kacha 0300-6098797 | Muhammad Iqbal, Girdawar 0300-6095625 |

1. Tractor-trollieswith the names and contact numbers

| Sr.No | Mauza | Name of Tractor's Owners | Contact Nos. |
|-------|-----------------|--|---------------|
| 1 | Ahmed Shah Wali | InayatUllah s/o Qazi caste Langaryal | 0306-6055407 |
| 2 | do | AsifIqbal s/o Muhammad Iqbal caste Pahoor | 0300-7730004 |
| 3 | do | GhulamShabbir s/o Muhammad Nawaz sujra | 0346-8734524 |
| 4 | do | Muhammad Wazir s/o GhulamHussain caste Langaryal | 0301-5934512 |
| 5 | do | Ghulam Abbas s/o Umer caste Sujra | 0302-3162682 |
| 6 | | Muhammad Ramzan s/o Usman caste Langaryal | 0303-7712725 |
| 7 | Piplan Kacha | Ghulam Muhammad s/o Muhammad Sher | 0301-6352445 |
| 8 | -do- | Gull Hameed s/o IlamDeen | 0302--7973174 |
| 9 | do | Muhammad Rafique s/o Muhammad Hayat | 0306-8476225 |
| 10 | do | GhulamQasim s/o WazirAalam | 0306-7815889 |
| 11 | do | HameedUllah s/o Atta Ullah | 0302-3861882 |
| 12 | MamooWali | AltafHussain Shah s/o FerozeHussain Shah | 0333-9950682 |
| 13 | do | Qamar Abbas Shah s/o Bashir Hussain Shah | 0314-4540108 |
| 14 | do | AkhterHussain Shah s/o Syed ZawarHussain Shah | 0332-7242021 |
| 15 | Noshera | Gull Hassan Shah s/o MazharHussain Shah | 0336-6195000 |
| 16 | do | SafdarHussain Shah s/o Haider Shah | 0334-7230977 |
| 17 | Gujrat | Syed IqbalHussain s/o Ghulam Hassan Shah | 0300-7783450 |
| 18 | | Atta Hussain Shah s/o Ghulam Hassan Shah | 0331-7228714 |
| 19 | | AbidHussain Shah s/o Ilam Dar Hussain Shah | 0300-6092021 |
| 20 | Bhumb | Muhammad Ramzan Jindal | 0313-9328203 |
| 21 | | GhulamShabbir s/o Hakim | 0301-3957593 |
| 22 | Bhakra | Malik Manzoor s/o Dost Muhammad | 0333-9977757 |

| | | | |
|----|----------|--|--------------|
| 23 | | Ghulam Abbas s/o Ghulam Hassan | 0333-6836856 |
| 24 | | Muhammad Sabir s/o GhulamYasin, BaloochiKhel | 0331-7226882 |
| 25 | Alluwali | Malik FalikSher s/o Muhammad Azeem caste Dharooi | 0346-5513731 |
| 26 | | Ghulam Muhammad s/o Haji Muhammad UsmanDharooi | 0344-8636961 |
| 27 | | RanaKhushi Muhammad s/o Muhammad Yamin caste Rajput | 0301-7801488 |
| 28 | | Haji GhulamQasim s/o Muhammad Khan caste Dharooi | 0344-6872355 |
| 29 | | Haji Abdul Karim s/o GhulamJillani caste Manik | 0346-8607741 |

2. Village Volunteers Committee

The following mouza wise volunteers committees have been constituted who help the District Administration for evacuation and rehabiliataion of people in case of high flood.

| Sr.# | Mauza | Names of Volunteers | Contact Nos. |
|------|--------------------|--|--------------|
| 1 | MelaWali | Ahmed Hussain s/o GhulamHussainNumberdar | 0342-6906991 |
| 2 | do | Muhammad Amin s/o GhulamSarwarBhumb | 0333-5772056 |
| 3 | do | Mushtaq Ahmed s/o Ghulam Ahmed caste Cheema | 0301-6350151 |
| 4 | do | Haji Abdul Majeed s/o Jewan caste MehrimKhel | 0333-9956834 |
| 5 | do | Shah Jehan s/o Muhammad Nawaz caste Noon, | 0331-5100230 |
| 6 | do | Mehrban s/o Muhammad Khan caste Baluch, | 0346-7849609 |
| 7 | Ahmed Shah Wali | Ghulam Abbas s/o Malka | 0333-5469212 |
| 8 | do | Malik Hamid s/o Ghulam Muhammad | 0301-3025765 |
| 9 | do | GhulamYasin s/o Nabi | 0336-1991516 |
| 10 | do | Muhammad Altaf s/o Haji Abdul Ghafoor caste Khora | 0333-8902249 |
| 11 | -do- | Sher Abbas s/o Malik Umersujra | 0302-3162682 |
| 12 | do | Muhammad Ashraf s/o ShabbirSujra | 0300-4925407 |
| 13 | do | Qamar Abbas Shah s/o Ghulam Abbas Shah | 0300-7783791 |
| 14 | do | Muhammad younas s/o Atta UllahSujra | 0308-4966410 |
| 15 | do | SherZaman s/o Usman caste Sujra | 0302-5485207 |
| 16 | do | Aziz Ullah s/o MaskeenSujra | 0301-3951211 |
| 17 | do | Muhammad Ramzan s/o Atta Muhammad | 0308-4970714 |
| 18 | do | Muhammad Younas s/o Muhammad Hussain | 0308-3280416 |
| 19 | do | Maqsood s/o Muhammad Hussain | 0308-8102328 |
| 20 | do | HabibUllah s/o Muhammad Ali, sujra | 0302-7969687 |
| 21 | do | Muhammad Amin s/o Yasin, caste Langryal | 0308-4966844 |
| 22 | | InayatUllah s/o Haji caste Langryal | 0306-6055407 |
| 23 | Piplan Kacha | Muhammad Safdar Khan s/o GhulamAkber Khan | 0301-6358726 |
| 24 | -do- | Muhammad Ishfaq s/o GhulamRasool | 0303-7513195 |
| 25 | -do- | Muhammad Aziz s/o Muhammad Sharif | 0302-6353255 |
| 26 | -do- | Muhammad Ibrahim s/o Muhammad Nawaz | 0303-7518725 |
| 27 | -do- | Muhammad Zulifqar s/o Muhammad Akber | 0303-7073918 |
| 28 | -do- | Abdul Majeed s/o Ilam Din | 0308-7891780 |
| 29 | | Muhammad Rafiq s/o Muhammad Hayat | 0306-7976225 |
| 30 | | Malka s/o GhulamHussain | 0306-8569893 |
| 31 | Alluwali | Abdul Karim s/o GhulamJilani, Manik | 0346-8607741 |
| 32 | -do- | ShafaUllah s/o Haji Muhammad Saddique | 0346-5819765 |

| | | | |
|----|-----------------|---|--------------|
| 33 | -do- | Khushi Muhammad s/o Muhammad Yamin | 0301-7801488 |
| 34 | -do- | ZafarIqbal s/o Rab Nawaz, Bhumb | 0345-5822255 |
| 35 | -do- | Nazir Ahmed s/o GhulamHussainBhumb | 0346-8184560 |
| 36 | -do- | Muhammad Tariq s/o Hafiz Muhammad Arif, Bhumb | 0332-2994872 |
| 37 | | GhulamYasin s/o Muhammad Umer, Singwal | 0341-6876040 |
| 38 | | Hafiz Muhammad Iqbal s/o KhudaYarArwar | 0303-7518732 |
| 39 | Mala Wali | GhulamYasin s/o GhulamHaider | 0344-4633380 |
| 40 | -do- | FaizurRehman s/o GhulamYasin | 0313-2477435 |
| 41 | | Mehrban s/o Muhammad Khan, Balooch | 0346-7849609 |
| 42 | -do- | Ilam Din s/o Muhammad Ameen, MehramKhail | 0333-5772056 |
| 43 | -do- | Muhammad Aamir s/o Ghulam Ahmed | 0301-6350151 |
| 44 | Gujrat | Muhammad Bashir s/o Ghulam Ahmed | 0300-7783303 |
| 45 | | Jan Muhammad Khan s/o Muhammad Khan | 0315-3121414 |
| 46 | | Ghulam Bashir s/o Mumraizutra | 0301-2478563 |
| 47 | | MunawarHussain s/o Faiz Muhammad | 0315-3121414 |
| 48 | Bhumb | Muhammad Sardar s/o Dost Muhammad | 0346-6393483 |
| 49 | | Muhammad Latif s/o Abdul Aziz Haria | 0336-5685873 |
| 50 | | Ghulam Abbas Khan s/o Akber Khan | 0307-4938326 |
| 51 | | Atta Muhammad s/o GhulamSarwar | 0301-6353064 |
| 52 | Ahmed Shah Wali | Muhammad Javid s/o Muhammad Amir | 0344-7983044 |
| 53 | | Muhammad Arif s/o Atta Ullahsujra | 0306-5224331 |
| 54 | | SaifUllah s/o UsmanSujra | 0306-4384248 |
| 55 | | Muhammad Sharfu s/o Muhammad Ali Kalu | 0333-7601226 |
| 56 | Piplan Kacha | Abdullah s/o Qadir | 0300-2179576 |
| 57 | | Tanveeer s/o Muhammad Bashir | 0301-3120670 |
| 58 | | FatehSher s/o AlamSher | 0306-7216479 |
| 59 | | Muhammad Bashir s/o GhulamHussain | 0306-3955124 |
| 60 | | Rahim Din s/o Ilam Din | 0302-6354003 |
| 61 | | Ghulam Muhammad s/o Muhammad Sher | 0301-6352445 |
| 62 | | GhulamQasim s/o WazirAalam | 0306-7815889 |
| 63 | | Iftikhar Ahmed Khan s/o SaifUllah Khan | 0305-7431470 |
| 64 | | Muhammad Nazir s/o Ali Kalwal | 0346-7799218 |

4. **Quantity and demand for the water tanks of drinking water (TMO + A.C Concerned.)**

| Sr.No | Qanungoi Circle | Water Tanks Required |
|-------|-----------------|----------------------|
| 1 | KundianKacha | 2 |

The concerned revenue staff along with TMO will make Arrangements.

5. **Provision of tents along with availability + requirements**

| Sr.No | Name of Mauza | Tent Requirement |
|--------------|-------------------|------------------|
| 1 | Ahmed Shah Wali | 20 |
| 2 | TibbaMehrban Shah | 10 |
| 3 | Alluwali | 10 |
| 4 | Dhingana | 10 |
| 5 | Piplan Kacha | 5 |
| 6 | Doaba | 10 |
| Total | | 65 |

6. **Formation of Relief Camps.****i) Permanent Relief Camp**

| Sr.No | Name of Camps |
|--------------|--------------------------------------|
| 1 | Govt. Middle School, Ahmed Shah Wali |
| 2 | Govt. Boys High School, Alluwali |
| 3 | Govt. Boys High School, Piplan |
| 4 | Union Council, Tibba Mehrban Shah |

ii) Temporary Relief Camp

| Sr.No | Name of Camps |
|--------------|-------------------------------|
| 1 | Boys Primary School, Dhingana |

1

| Circle | Name of Revenue Officer | Kanongo. |
|---------------|---|--|
| Kundian Kacha | Malik Abdul Rasheed, N.T Kundian Kacha 0300-6098797 | Mr. Inayat Ullah Girdawar Kundian Kacha 0301-7801541 |

BOATS OWNERS WITH NAMES AND CONTACT NUMBERS TEHSIL PIPLAN

The detail of private owners of boats for use in case of high flood for evacuation of flood affected people.

| Sr.No | Mauza | Name of Volunteer | Contact No. |
|--------------|-----------------|---|------------------------------|
| 1 | Piplan Kacha | Shah Jehan s/o Sher Zaman | 0307-7752053 |
| 2 | do | Sadar Ayub s/o Muhammad Ramzan | 0301-5477147 0303-7506252 |
| 3 | do | Fakhar Zaman s/o Alam Khan | 0345-0317355 |
| 4 | do | Ghulam Yasin s/o Muhammad | 0306-7099487 |
| 5 | -do- | Koroo s/o Muhammad Shabbir | 0311-5967840 |
| 6 | -do- | Sher Ahmad s/o Ghulam Hussain caste Arian | 0307-4932753 |
| 5 | Ahmed Shah Wali | Pervaiz s/o Raza Muhammad | 0341-3246129 |
| 6 | -do- | Aman Ullah s/o Allah Bakhsh caste Latifi | 0340-8520497 |
| 7 | -do- | Raza Muhammad s/o Mehra | 0344-1867408 0332-7229638 |
| 8 | -do- | Umer Hayat s/o Muzaffar | 0340-4748304 |
| 9 | -do- | Abdur Rehman s/o Nizam | 0340-8520497 |
| 10 | Alluwali | Zafar s/o Muhammad Sher | 0347-6926131 |
| 11 | -do- | Ajmal s/o Ali Nawaz | 0346-5520630 |
| 12 | Doaba | Muhammad Altaf s/o Muhammad Hayat | 0301-5430205 |

5. **Provision of food items including dry food items with the names & contact Number of the providers/manufacturers of these items.**

Measurements to be taken for the transportation of the food items.

Tehsildar, Piplan will make the arrangements.

List of Shopkeepers

| Sr.No | Name of Shopkeepers | Contact No. |
|--------------|--|--------------------|
| 1 | Haji Abdul Rasheed Karyana store, Piplan | 0459-201037 |
| 2 | HabibUllah s/o Abdullah, Main Bazar, Kundian | 0301-7802377 |

MUNICIPAL COMMITTEE Mianwali
CONTINGENCY PLAN / PRE-FLOOD ARRANGEMENTS FOR
MONSOON-2018
Focal Person MUNICIPAL COMMITTEE MIANWALI

A Control Room has been established in M.C Office which will be functional round the clock with contact No. 0459-920347

Focal Person

Muhammad Bakhsh Joiya ,MO (S) Cell No. 0300-6555298
 Complaint Cell Incharge Liaquat Ali 0305-6950574

Cleanliness Campaign

Well before the start of rainy season, cleanliness and sanitation campaign will be taken in Tehsil Mianwali. It will be distributed into different Sectors. During this campaign following measures will be adopted:-

- ❖ Creating awareness in public through electronic and print media
- ❖ Desalting of sewerage lines and drains
- ❖ Anti Dengue Activities
- ❖ Removal of stagnant water from ponds and earth filling
- ❖ Leveling / dressing of streets, roads, kacha paths etc.

Disposal Station

Well before the start of rainy season a cleanliness and sanitation bifurcating whole area of Tehsil into different sectors. During this campaign following measures will be adopted:-

- ❖ Creating awareness in public through electronic and print media
- ❖ Desalting of sewerage lines and drains
- ❖ Anti Dengue Activities
- ❖ Removal of stagnant water from ponds and earth filling
- ❖ Leveling / dressing of streets, roads, kacha paths etc.

❖ **DISPOSAL OF RAIN / FLOOD WATER:**

- ❖ Tehsil Mianwali is located in the Thal (sandy) area of District Mianwali. To combat with the any emergent situation, adequate arrangements are made for the disposal of rainy water.

PROVISION OF MANHOLE COVER

There are about thirteen hundred manholes in the urban area of Mianwali which are mostly covered. Moreover arrangements are being made for the availability of manhole covers and rings to meet any emergency.

Proper Disinfection Of Drinking Water

There are one twenty five water supplies in M.C Mianwali which are being bleached regularly.

LEAKAGE IN WATER SUPPLY LINES:

No leakage in water supply lines found at present. However if any complaints is received, the same in rectified immediately.

DETAIL OF STAFF

| Sr.# | Designation | No. of Posts |
|-----------------------------------|----------------------------------|---------------------|
| Detail of Officers | | |
| 1 | Chief Officer | 01 |
| 2 | Municipal Officer Planning | 01 |
| 3 | Municipal Officer Finance | 01 |
| 4 | Municipal Officer Regulation | 01 |
| 5 | Municipal Officer Infrastructure | 01 |
| 6 | Municipal Officer Services | 01 |
| 7 | Chief Sanitary Inspector | 01 |
| Detail of Technical Staff | | |
| 8 | Sub Engineer | 05 |
| 9 | Building Inspector | 01 |
| 10 | Electric Staff | 05 |
| 11 | Plumber/Line Man | 06 |
| 12 | Drivers | 12 |
| 13 | Tube Well Operator | 24 |
| 14 | Peter Engine Driver | 02 |
| 15 | Water Booser Driver | 01 |
| Detail of Sanitation Staff | | |
| 16 | Sanitary Supervisor | 02 |
| 17 | Tractor Driver | 07 |
| 18 | Sewer Mate | 03 |
| 19 | Sanitary Worker | 167 |
| 20 | Sewer Men | 12 |

MACHINERY & EQUIPMENTS.

| Sr.# | Name of Equipment & Machinery | Available |
|-------------|--|------------------|
| 1 | Cars for officers | 01 |
| 2 | Tractor | 08 |
| 3 | Trolley | 07 |
| 4 | Water bowser | 01 |
| 5 | Containers | 03 |
| 6 | Dewatering Set | 06 |
| 7 | Jeep, | 01 |
| 8 | Sucker Machine | 01 |
| 9 | Jetting Machine | 01 |
| 10 | Fogging Machine | 11 |
| 11 | Manual Spray Machine | 20 |

FLOOD FIGHTING ARRANGEMENTS **MADE BY M.C ISAKHEL**

DETAIL OF AVAILABLE MACHINERY IN M.C. ISA KHEL

| Sr No. | Description | Number |
|---------------|-------------------------|---------------|
| 1 | Tractor | 03 |
| 2 | Trolleys | 01 |
| 3 | De-Watering Sets | 01 |
| 4 | Water Boozers | 01 |

DISASTER RESPONSE DUTY

Detail of Staff / Organization (M.C. ISA KHEL)

| | | |
|---|---------------------------------------|----|
| 1 | Municipal Officer (Infrastructure) | 01 |
|---|---------------------------------------|----|

Detail of Technical Staff DURING FLOOD

| | | |
|----|--------------|----|
| 01 | Sub-Engineer | 01 |
| 02 | Electrician | 01 |

Detail of Sanitation Staff M.C Isakhel DURING FLOOD

| | | |
|----|---------------------|----|
| 1 | Sanitary Supervisor | 01 |
| 2. | Sanitary Workers | 28 |

A Control Room has been established in Municipal Committee Office Isa Khel which will be functional round the clock with Contact No. 0459-285375.

| SR. # | Name of Focal Person | Designation | Contact No. |
|--------------|-----------------------------|--|--------------------|
| 1 | Muhammad Bhakhsh Joyia | Municipal Officer (Infrastructure) ,M.C Isakhel | 03006555298 |

The following officials have been deputed to perform duties in Control Room till the flood season is over, under the supervision of Municipal Officer (Infrastructure).

| | | |
|---|------------------------|--|
| 1 | Mr. Aamir Murtaza | Sub Engineer |
| 2 | Gulzaar Hashmi | Electrician |
| 3 | Attique Ur Rehman Khan | Sanitary Supervisor/incharge of 28 sanitary workers |

CONTINGENT PLAN MOONSOON 2018
MUNICIPAL COMMITTEE PIPLAN
DISTRICT MIANWALI
DETAIL OF AVAILABLE RESOURCES IN M.C PIPLAN

| Sr. # | Description | Numbers | Condition |
|--------------|---------------------------------|----------------|-------------------|
| 1 | Car | 1 | Working Condition |
| 2 | Tractor | 2 | -do- |
| 3 | Hydraulic Trolleys | 2 | -do- |
| 4 | Front Blade System | 1 | -do- |
| 5 | D-Watering Set | 2 | -do- |
| 6 | Water Tank | 1 | -do- |
| 7 | Sucker & Jetter (combined unit) | 1 | -do- |
| 8 | Rickshaw Loader | 1 | -do- |

AVAILABILITY OF INSCETICIDE/MACHINERY FOR DENGUE SPRAY

| Sr. No. | Name of Item | Availability in Stock | Condition |
|----------------|----------------------------|------------------------------|------------------|
| 1 | Delta Mathrine WP (Powder) | 2-Kg | Available |
| 2 | Temephos Granules 2.G | 5-Kg | -do- |
| 3 | Fogging Machine | 1 | Working |
| 4 | Spray Pump Manual | 2 | -do- |

RATIONALIZING DISASTER RESPONSE CAPACITY
DETAIL OF STAFF / ORGANIZATION

| Sr. No. | Designation | Numbers |
|----------------|--------------------|----------------|
| 1 | Chief Officer | 1 |
| 2 | MO(I) | 1 |
| 3 | MO(F) | 1 |
| 4 | MO(R) | 1 |
| 5 | MO(P) | 1 |
| 6 | Inspector | 2 |

| | | |
|-------|-----------------------------------|----|
| 7 | Senior Clerk | 2 |
| 8 | Junior Clerk | 9 |
| 9 | Naib Qasid+Chowkidars+Mali+Beldar | 14 |
| Total | | 32 |

DETAIL OF TEHCNICAL STAFF

| Sr. No. | Designation | Numbers |
|---------|------------------------|---------|
| 1 | Sub Engineer | 1 |
| 2 | Draftsman | 1 |
| 3 | Plumber | 1 |
| 4 | Electrician | 1 |
| 5 | Drivers | 3 |
| 6 | Operator Cum Chowkidar | 6 |
| 7 | Peter Engine Driver | 1 |
| Total | | 14 |

DETAIL OF SANITATION STAFF

| Sr. No. | Designation | Numbers |
|---------|---------------------|---------|
| 1 | Sanitary Supervisor | 1 |
| 2 | Tractor Driver | 1 |
| 3 | Sanitary Mates | 2 |
| 4 | Sanitary Workers | 36 |
| Total | | 40 |

**ORGANIZATION AND PROVISION OF EQUIPMENT FOR RESCUE-CUM
DEBRIS CLEARANCE SQUAD**

- M.C does not have its own machinery like excavators and dozers etc. , however some tractors and one excavator can be arranged at the time of any calamity. Detail is as under:
- Mirza Khan, Excavator owner R/O Hafiz Wala, Tehsil Piplan Cell # 0301-7801341
- Mureed Abbas, Tractor owner R/O Rafique Abad Piplan Cell # 0301-3766232

Dewatering scheme for low lying areas:

- Two dewatering sets are available with the M.C which are in working condition.

CONTROL ROOM

A Control Room has been established in M.C Office which will be functional during office hours with contact No. **0459-201890**

Focal Person

- Mr. Muhammad Saleem
Municipal Officer (Infrastructure) 0345-7907191

Overall Incharge

- Mr. Muhammad Saleem
Municipal Officer (Infrastructure) 0345-7907191

DISPOSAL STATION:

M.C provides the facilities of sewerage in its area. M.C Piplan is located at the bank of River Indus. The sewer lines are constructed on gravity basis and no disposal station exists. However sewer lines are being cleaned regularly.

DISPOSAL OF RAIN /FLOOD WATER:

M.C Piplan is located in the Thal (sandy) area of District Mianwali. To combat with the any emergent situation, adequate arrangements are made for the disposal of rainy water.

PROVISION OF MANHOLE COVER

There are about Seven hundred manholes in the M.C area which are mostly covered. Moreover arrangements are being made for the availability of manhole covers and rings to meet any emergency.

Agriculture Department
ARRANGEMENTS MADE BY AGRICULTURE DEPARTMENT.

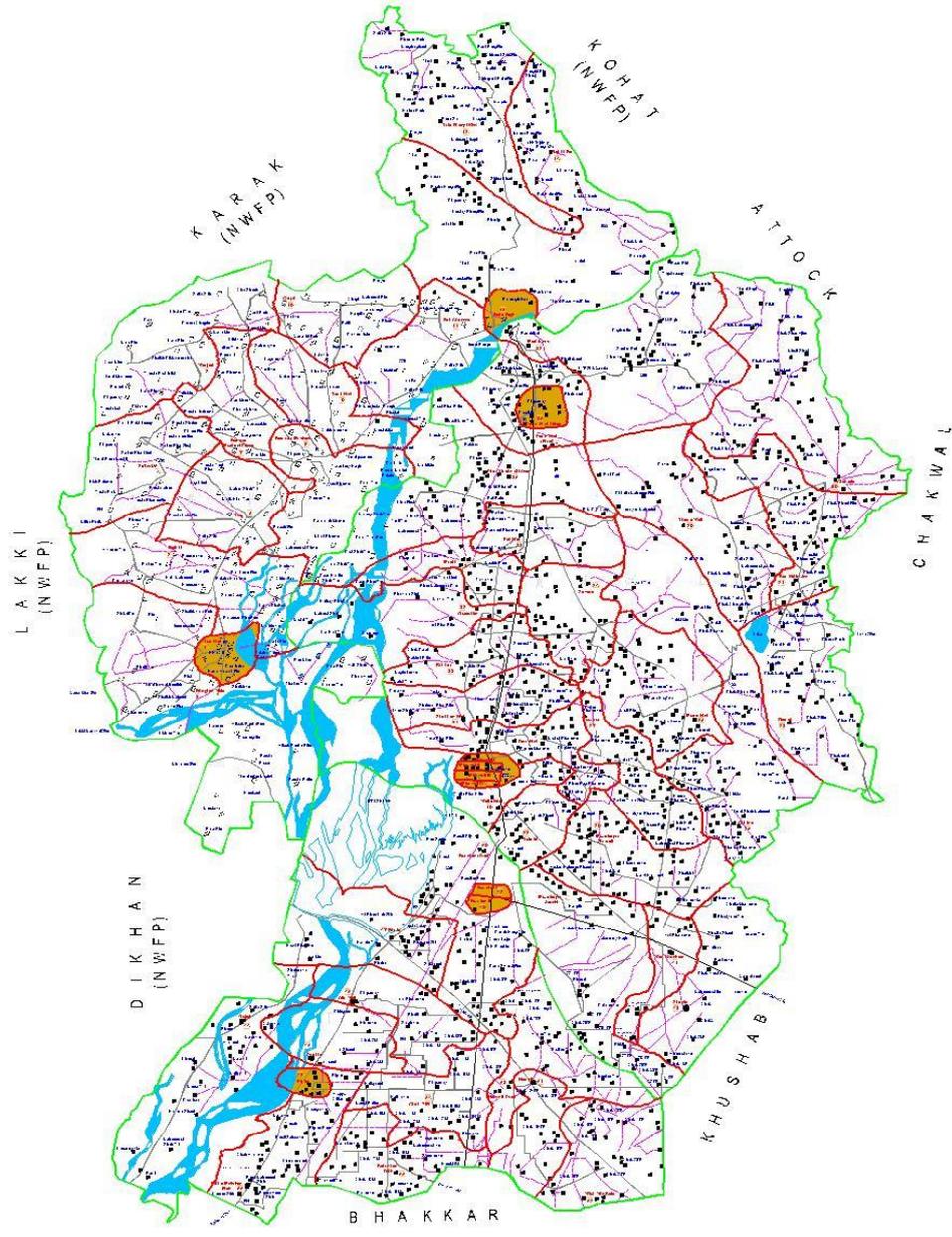
| Sr. No | Name of Flood Center | Official Deputed | Responsibility |
|---------------|-----------------------------|--|---|
| 1 | Mianwali | Agriculture Inspector Mianwali | i. Supervision & Control Flood Prevention Measures. ii. Coordinate Survey & Investigation of the Extent of damage to crops. iii. Assist & Coordinate emergency repair of public services & their timely restoration. iv. Supervise the coordinate action to save stocks, equipments machinery etc. from damage. v. Organize & setup the fold emergency cell within the department. vi. Placement of the requisite machinery & material at safe location near the vulnerable points for emergency repairs. vii. Preparation of inventory of flood relief equipments available. |
| 2 | Rokhari | Field Assistant, Deillewali | |
| 3 | Daud Khel | Agriculture Inspector, Daud Khel | |
| 4 | Kundian | Field Assistant, Kundian | |
| 5 | Piplan | Agriculture Officer (Ext), Piplan | |
| 6 | Kala Bagh | Field Assistant, Tabi Sar | |
| 7 | Kamar Mushani | Agriculture Officer (Ext) Kamar Mushani | |
| 8 | Kaloor | Field Assistant | |
| 9 | Isa Khel | Field Assistant | |

**LIVESTOCK PROTECTION
STRATEGY
FLOOD FIGHTING PLAN
2018**



**ADDITIONAL DIRECTOR
LIVESTOCK MIANWALI**

MAP OF THE DISTRICT.



VETERINARY INSTITUTIONS DISTRICT MIANWALI.

| Sr. No. | Tehsil | Veterinary Hospitals | Veterinary Dispensaries | Mobile Veterinary Dispensaries | Veterinary Centers | Total |
|--------------|----------|----------------------|-------------------------|--------------------------------|--------------------|-----------|
| 1 | Piplan | 6 | 2 | 2 | 9 | 18 |
| 2 | Mianwali | 10 | 9 | 2 | 11 | 31 |
| 3 | Isa Khel | 4 | 2 | 1 | 3 | 10 |
| Total | | 20 | 13 | 5 | 23 | 59 |

Proposed Name of Tehsil Officers for flood emergency purpose.

1. Dr. Malik Muhammad Yaqoob, APVOPiplan, Tehsil Piplan.
2. Dr. Sagheer Hussain, VO Chak Mairas, Tehsil Mianwali.
3. Dr. Laeeq Tabasam, VO, Isahel, Tehsil Isakhel.

Focal Person of Flood Vaccination Work.**INTRODUCTION.**

The area of Mianwali District is 14, 26,000 acres. Out of this a large area is situated along both banks of river Indus running throughout the District. Most of this area is in the form of Bela and is very rich in Livestock population particularly large animals. This area, generally known as kacha area, is directly hit by heavy Floods.

Other Particulars of Area.

| | |
|--|--------------------------|
| Total Human Population of District | 10, 37,240 (Census 2000) |
| Area likely to be affected | 4, 35,168 Acres |
| Total Population of dangerous Zone | 1, 34,892 |
| Total Number of villages in dangerous Zone | 60 |

Total Livestock Population of the District: -**(Census according to Mass Vaccination Phase-I 2015).**

| Large Animals | Small Animals | Equines | Camels | Poultry |
|---------------|---------------|---------|--------|---------|
| 422654 | 490242 | 17693 | 5449 | 397620 |

Livestock Population of dangerous Zone

| | | |
|----------------------|--------------|-------------|
| Large Animals | Buff | Cow |
| 85600 | 45820 | 39780 |
| Small Animals | Sheep | Goat |
| 35900 | 20345 | 15555 |

ACTION PLAN.

The area of District likely to be affected by flood has been divided into 12 sectors for the purpose of Flood protection / heavy rains and relief measures.

| TEAMS OF MIANWALI DISTRICT. | | | | |
|-------------------------------------|-----------------------------|--|--|--|
| Sr. # | Name of Flood Sector | Name of In-Charge | Name of Veterinary Assistants | Name of Relief Centre |
| <u>ISAKHEL SUB DIVISION</u> | | | | |
| 1. | Isakhel | Dr. Laeeq Tabasam V.O. Isakhel 0303-7125548 | 1. Mr. Muhammad Altaf 0302-6353587 2. Mr. Muhammad Ishfaq 0344-6872526 3. Mr. Ijaz Rasool 0302-6352855 4. Mr. Muhammad Saeed 0301-6356604 5. Abdul Razzaq (Class IV) | Govt. College Isakhel. |
| 2. | Kaloor | | 1. Mr. Kashif Wali 0308-7878502 2. Mr. Samar Abbas 3477349025 3. Mr. Muhammad Iqbal 0306-6395030 4. Mr. Muhammad Sadiq 0302-7961306 5. Mr. Gul Nawaz (Class IV) | Govt. High School Kaloor |
| 3. | Kamar Mashani | Dr. Naseer Ahmad V.O, Kamar Mushani 0301-7802198 | 1. Mr. Sajjad Hussain 0301-7800799 2. Mr. Zaheer Abbas 0301-3957119 3. Mr. Samar Ali 0300-9162014 4. Mr. Nazar Muhammad 0302-6351984 5. Mr. Shahid Nawaz (Class IV) | Govt. High School Kamar Mashani. |
| 4. | Trag | | 1. Mr. Zahid Ullah Khan 0300-7096915 2. Mr. Wajid Rasool 0301-7240348 3. Mr. Abdul Sattar 0301-6357565 4. Mr. Taj Rasool 0302-6359827 5. Mr. Habib Ullah (Class IV) | Govt. High School Trag |
| 5. | Kalabagh | Dr. Abdul Rehman V.O, Kalabagh 0333-9927131 | 1. Mr. Muhammad Amjad 0303-6762141 2. Mr. Muhammad Maqbool 0304-5037861 3. Mr. Abdul Aleem 0337-9682664 4. Mr. Younas Iqbal (Class IV) | Govt. High School Kalabagh |
| <u>MIANWALI SUB DIVISION</u> | | | | |
| 6. | Mianwali | Dr. Sagheer Hussain V.O. Chak Mairas 0334-7650580 | 1. Mr. Mian Sher Ahmad 0342-6879787 2. Mr. Waheed Gull 0344-6879953 3. Mr. Rana Wahid Shabir 0337-9685125 4. Mr. Abdul Haq Shah 0333-6827044 5. Mr. Muhammad Umair 0345-6602678 6. Mr. Gul Jahan (Class IV) | Govt. Middle School Balokhel, Govt. Shahbaz Sharif Girls High School Mianwali |
| 7. | Rokhri | | 1. Mr. Mian Tuqeer Ahmad 0337-9685160 2. Mr. Qaisar Arsalan 0300-6077071 3. Mr. Waqar Azeem 0304-6568787 4. Mr. Qadir Bakhsh 0300-6089416 5. Mr. Zafar Iqbal 0307-5385850 6. Mr. Mian Muhammad (Class IV) | Govt. High School Rokhri. |

| | | | | |
|---------------------------|----------|---|--|-------------------------------------|
| 8. | DaudKhel | Dr. Muhammad Mustaqeem V.O, DaudKhel 0301-7021299 | 1. Mr. ZafarUllah Khan 0300-6097362 2. Mr. Muhammad Ashraf 0301-5994621 3. Mr. Muhammad Khan 0302-6357585 4. Mr. Abdul Khaliq 0301-7808208 5. Mr. GulJahan (Class IV) | Govt. High School Pakki Shah Mardan |
| 9. | Mochh: | Dr. Ameer Abbas V.O, Moch 0300-6091361 | 1. Mr. Easub Khan. 0301-3958772 2. Mr. Muhammad Iqbal 0300-6098212 3. Mr. WazirGul 0302-6359202 4. Mr. Abdul Ghaffar 0345-5823017 5. Mr. Muhammad Tariq 0302-5796639 6. Mr. M Ramzan Sultan 0304-1562171 7. Mr. Allah Nawaz (Class IV) | Govt. High School Mochh. |
| PIPLAN-SUBDIVISION | | | | |
| 10. | Piplan. | Dr. Muhammad Yaqoob Malik APVO, Piplan 0345-7646926 | 1. Mr. Majid Ali 0302-3960676 2. Mr. Ahmad Din. 0345-5138255 3. Mr. MumtazHussain 0300-7780552 4. Mr. AltafHussain. 0301-6352774 5. Mr. GhulamJaffar Khan 0345-5833837 6. Mr. Shakeel Ahmad Class IV | Govt.High School, Piplan No. 1. |
| 11. | Bakhra. | Dr.Muhammad Aziz V.O. Kundian 0301-3959260 | 1. Mr. Abdul Rehman 0306-3955771 2. Mr. Atta Muhammad 0301-3951286 3. Mr. Muhammad Zulfiqar 0345-5830033 4. Mr. Aziz Ullah Khan (Class IV) | Chashma High School. |
| 12. | Kundian. | | 1. Mr. Muhammad Rafi Ullah 0334-7113405 2. Mr. M. Arif Khan 0337-9682682 3. Mr. ZafarIqbal 0334-7932496 4. Mr. Mubarik Ali 0308-4142487 5. Mr. Muhammad Tanveer Class IV | Govt.High School, Kundian. |

SECTOR IN CASE OF HEAVY RAINS

The following Sectors will come into operation in case of heavy rains.

| | | | |
|----|---------------|--|--|
| 1. | Wan Bhachran. | Dr. IrfanAkmal, V.O, (H), Wan Bhachran. 0300-9897550 | 1. Mr. Muhammad Ramzan 0300-6085432 2. Mr. Khalid Mehmood Khalid 0337-9682714 3. Muhammad Imran Class IV |
| 2. | Chakrala. | Dr. KhurramMehmood, VO,(H) Chakrala. 0333-4159652 | 1. Mr. Abdul Rauf Shah 0302-5080511 2. AmanUllah 0301-7808423 3. Mr. Ilam Din (Class IV) |

PRE-FLOOD VACCINATION CAMPAIGN/PRE-FLOOD ARRANGEMENTS.

In order to provide Veterinary Health cover to precious livestock wealth, prophylactic vaccination work against prevailing diseases of flood/rainy season particularly Hemorrhagic Septicemia starts w.e.f. 15th of May throughout the District. Fortnightly report of work done is submitted to the Director Disease Reporting & Surveillance, Livestock & Dairy Development Punjab, In-charge Flood Cell Lahore as well as to the Divisional Director, Livestock, Sargodha Division Sargodha and District Authorities. Veterinary Assistants working in the flood area of the District have been trained on the following lines at District Headquarter.

1. Community mobilization during the flood in the interest of flood affected people or the public affected with any disaster.
2. Participatory approach with public to face the difficult situation in case of flood or any other disaster.
3. The Veterinary Assistants should assess the resources of community to be used during the disaster.
4. Veterinary Assistants working in the hazard should recognize the vulnerable classes to whom help could be given during the disaster.
5. The Veterinary Assistants working in the flood area have been given 1 day fresh training about handling of outbreak specially H.S.

DISEASES.

Hemorrhagic Septicemia in large animals is the major disease of flood/rain season however following diseases also prevail:

- | | |
|---------------------------|---------------------------|
| 1. Black Quarter Disease. | in Large Animals |
| 2. Foot & Mouth Disease/ | in Large & Small Animals. |
| 3. Enterotoxaemia | in Small Animals |
| 4. Pleuropneumonia | in Small Animals |
| 5. Sheep/Goat Pox | in Small Animals |
| 6. New Castle Disease | in Poultry. |

AVAILABILITY OF VACCINES.

Main stress is given to protect the animals against most fatal diseases of monsoon season i.e. hemorrhagic Septicemia. However vaccination against other disease is also carried out according to area requirements. For this purpose adequate stock of following vaccines will be maintained subject to availability from Veterinary Research Institute Lahore at District Head Quarter and every Veterinary Hospital of the District:

- | | |
|-----------------------------------|----------------------------------|
| 1. Hemorrhagic Septicemia Vaccine | 2. Black Quarter Disease Vaccine |
| 3. Foot & Mouth Disease Vaccine | 4. Enterotoxaemia Vaccine |
| 5. P.P.R Vaccine. | 6. Anthrax Spore Vaccine |
| 7. New Castle Disease Vaccine. | |

DEMAND& SUPPLY OF VACCINE W.E.F. 01-06-2018 TO 30-09-2018

| Month | H.S.V. Doses | B.Q.V. Doses | F.M.V. Doses | E.T.V. Doses | C.C.P.V. Doses | G.P.V. Doses | S.P.V. Doses | P.P.R.V Doses | N.D.V. Doses |
|----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------------|-----------------|------------------|-----------------|
| June, 2018 | 170000 | 170000 | - | 150000 | - | - | - | - | 100000 |
| July, 2018 | 60000 | 60000 | - | 100000 | - | - | - | - | 50000 |
| August, 2018 | 50000 | 50000 | 50000 | 60000 | - | - | - | - | 60000 |
| September,2018 | 50000 | 50000 | 50000 | 39900 | - | - | - | - | - |

DURING FLOOD COMBATING MEASURES.

- Liaison duties. Additional Director Livestock will remain in close contact with the Deputy Commissioner, Mianwali (In-Charge of District Flood Relief Committee) to seek instructions and to pass on relevant data.
- Liaison at Tehsil level, Representative of department at Tehsil level shall remain in close contact with Assistant Commissioner to keep him well informed and seek his help if necessary.
- Deputy Director Livestock Mianwali, Piplan and Isakhelwill supervise the work performance at flood sectors and will supply Vaccines as per requirements.

FLOOD EMERGENCY MEDICINES.

Sufficient quantity of medicines available, Wandawill be purchased to meet any flood emergency amounting to Rs.2.0 million and distributed to the flood sectors.

Funds for purchase ofwanda will be provided by PDMA, detailed below: -

- Antibiotics/Antibacterials.
- Antipyretics/Analgesics.
- Anthelmintics.
- Antihistaminics.
- Steroids.
- Acaricidals.

RAPID RESPONSE TEAMS: -

| Team # | Name and designation | Staff | Cell # | Assignments |
|--------|------------------------------------|--|------------------|--|
| 1- | Dr. AlamSher V.O C.V.H. Hernoli | Staff of C.V.H. Hernoli | 0300- 7803009 | To response emergency area in the flood of district Mianwali |
| 2- | Dr. Abdul Khaliq V.O. Musa Khel | Staff of C.V.D. Musakhel / Abba Khel | 0300- 6094258 | To response emergency area in the flood of district Mianwali |

DAILY FLOOD REPORTS.

Daily flood reports will be submitted to the Commissioner Sargodha Division, Sargodha, Director, Livestock Sargodha Division Sargodha. The reports will also be submitted on daily basis to flood cell of Deputy Commissioner's office Mianwali in case flood emergency is declared.

POST FLOOD MEASURES.

➤ **FLOOD LOSS PROFORMA.**

Additional Director Livestock & 3 Deputy Directors Livestock, with the help of field staff will prepare flood loss Performa Tehsil wise based on the following information to start rehabilitation work.

- a) Damage to Livestock and Poultry (washed away in flood/died due to diseases)
- b) DairyFarmBuilding and Machinery damaged.
- c) Damage to Veterinary Institutions/Buildings.
- d) Damage to stores and good owns of dry fodder and animal feed

➤ **VACCINATION WORK.**

This work will continue up to 30th of September in the flood-affected area.

➤ **RELOCATION OF ANIMALS IN CASE OF FLOOD**

• **Tehsil Mianwali**

- | | | |
|---------------------|-----------------|------------------|
| 1. RokhriPacca. | 2. SamandWala. | 3.TariKhelPacca. |
| 4.ShahbazKhelPacca. | 5.Mujahid Town. | 6.DherYaruWala. |
| 7.ChahMiana. | 8.MochPacca | 9.DaoudKhel |
| 10.PaiKhel | | |

• **Tehsil Isakhel.**

- | | |
|---------------------|---------------|
| 1.KamarMusahniPacca | 2.Sultan Khel |
| 3.Bhor Sharif. | 4.ArmatyWala |
| 5.Sodagriwala. | 6.Isa Khel |

• **Tehsil Piplan.**

- | | |
|----------------|---------------|
| 1.KundianPaca. | 2.Tibbi. |
| 3.Piplan. | 3.Hafiz Wala. |

| | | |
|--|---|-------------------|
| ✓ <u>No. of Flood Prone Union Councils of Mianwali District</u> | = | <u>20</u> |
| ✓ <u>No. of Flood Prone Villages</u> | = | <u>113</u> |

○ **Note.**

- Some area of each flood prone Union Council is affected by river Indus and some is affected by hill torrents.
- Tentage for providing shelter will be provided by PDMA.

MVDS working in Mianwali District.

| Sr. No. | Tehsil | Name of MVD | Name of Incharge with Cell No. |
|----------------|---------------|--------------------|---------------------------------------|
| 1. | Isakhel | MVD Isakhel | Dr. Shahid Ahmad MVO 0302-7080708 |
| 2. | Mianwali | Mianwali-I | Dr. SabirHussain MVO 0300-4972792 |
| 3. | | Mianwali-II | Dr. AbuzarHussain MVO 0305-7860262 |
| 4. | Piplan | Piplan-I | Dr. Muhammad Mumtaz MVO 0345-5529383 |
| 5. | | Piplan-II | Dr. Muhammad Ikram MVO 0345-8640927 |

INTERVENTION DURING FLOOD;

- **Livestock Destocking:**

- Due to starvation
- Sale of animals to meet emergency requirements of the flood effected owner

- **Livestock Restocking:**

- Mostly by N.G.Os after flood anyhow expenses on restocking are 3 to 6 times more than saving the livestock by ration provision during flood disaster

- **Feeding :**

- at situation (Law and order Problems so only in case of serious emergency)
- In veterinary Institutions (well managed and successful procedure)

HIGHWAY (M&R) SUB DIVISION MIANWALI
PRE FLOOD ARRANGEMENTS FOR THE FLOOD SEASON 2018

FLOOD WARNING /EMERGENCY SUB CENTRE

The flood warning / emergency Sub Centre has been established in this office under supervision of undersigned being incharge of Highway (M&R) Sub Division Mianwali. The sub centre will be the flood fighting unit and will be equipped with all essential T&P, machinery, manpower and sufficient labour to fight against the flood situation if any arises during heavy spell of rains / storms. The Sub Divisional Officers Mianwali has been designated as Liaison officer of their Sub Division. They will be responsible to keep all the time a vigilance eye on the areas likely to be effected by the heavy rains / flood as well as on the subordinate staff deputed for the purpose. The Sub Divisional officers/ Liaison Officer will remain available round the clock in his centre to receive / communicate necessary flood reports to the higher offices / Flood cells of District Mianwali.

The Sub Divisional Officers along-with their Sub Engineers will inspect occasionally all the cross drainage structures/ culverts within his jurisdiction and regularly during the flood/rainy season to avoid blockage of waterways crossing the roads. To fight with flood emergency, essential T&P, gunny bags, torches, signal lights and all other required items would be arranged by the Sub Divisional Officers well before start of rainy season and manpower is kept alert to tackle with emergency.

The undersigned / incharge of Sub Division will make instant arrangement for restoration of traffic as soon as possible after recession of flood. He will keep Flood Centre informed the latest situation of flood and roads on daily basis. The damages to the roads if any occurs during the flood, will be temporarily repaired and roads be opened for traffic at once. For permanent remedies, estimate of repair work will be prepared by the Sub Divisional Officers and be forwarded to the higher authorities for approval / arrangement of funds.

Assignment to the following subordinate staff in their flood areas expected to be affected has been given to repair/restore damaged roads/culverts/structures for traffic as well as public plying on these routes.

Mr. Muhammad Amir Sub Engineer is designated as Focal Person during Flood emergency. His Cell # are 0333-9928006 & # 0300-8534931.

- i. **Lahore Sargodha Mianwali Bannu road from section Km 304 (Mianwali) to Km 356 (Kot Chandna) fall along the Eastern side of River Indus. Hill torrents of Ghundi, Swance Nallah and Musa Khel Hill crosses the road at causeways at Km No.310, 311, 318-319 and 327, Hill torrents of Jaba Nallah crosses the road in Km No.340-341 & falls in Indus river.**

STAFF DEPUTED

Section Km No. 304 to 356

- | | |
|--|----------------------|
| 1. Mr. Muhammad Nadeem (Sub Engineer) | Cell No.0306-3590901 |
| 2. Mr. Zafar Ullah Highway Inspector. | Cell No.0306-7800578 |
| 3. Mr. Yar Muhammad Highway Inspector. | Cell No. |
| 4. Mate | = 06 Nos |
| 5. Beldars | = 21 Nos |

- ii. **The Lahore Sargodha Mianwali Bannu road from Section Km No.356.00 (KotChandna) to Km No.409.00 (Dara Tang) Tehsil Isa Khel, fall along the Eastern side of Indusriver. 3 Nos main Hill Torrents namely BarruchNallah and ChichaliNallah, Rakkah crosses the road within above said reach during rainy season which fall in the Indus River.**

STAFF DEPUTED

Section Km No. 356 to 409.34

- | | |
|---|----------------------|
| 1. Mr.Mukhtar Hussain (Sub Engineer). | Cell No.0300-6084261 |
| 2. Mr.IbrarHussain (Highway Inspector). | Cell No.0333-8900312 |
| 3. Mr.Hafeez Khan (Highway Inspector). | Cell No.0300-6086400 |
| 4. Mr.Asif Khan (Highway Inspector). | Cell No.0301-6351840 |
| 5. Mate | = 03 |
| 6. Beldars | = 21 |

SohawaChakwalTalagang Mianwali Road From Chakwal District Boundary To Mianwali Km No.176.39 To 216.88 Length 40.49 Km In District Mianwali Passing Through Dkhak Hill.

STAFF DEPUTED

- | | |
|---|-----------------------|
| 1. Mr. Muhammad Nadeem (Sub Engineer) | Cell No.0306-3590901. |
| 2. Mr. Zafar Ullah (Highway Inspector). | Cell No.0306-7800578 |
| 3. Mate | = 03 |
| 4. Beldars | = 10 |

MIANWALI MUZAFFARGARH ROAD KM NO.4.83 TO 41.86 KM

STAFF DEPUTED

- | | |
|--|----------------------|
| 1. Muhammad Amir (Sub Engineer) | Cell No.0300-6084261 |
| 2. Muhammad Afzal (Highway Inspector). | Cell No.0303-9831322 |
| 3. Mate | = 02 |
| 4. Beldars | = 06 |

EMERGENT MEASURES DUE TO FLOOD

In case of emergency due to flood, the following measure will be taken up immediately for restoration of road / traffic.

- a. The site will be inspected by SDO and Sub Engineer Incharge immediately.
- b. The report about emergency will be prepared by the undersigned and submitted to the XEN & Superintending Engineer Highway (M&R) Circle Rawalpindi and Chief Engineer Highway (M&R) through telephone and fax and its confirmation through letter.
- c. Immediate arrangements will be made by the undersigned in his jurisdiction for proper guidance and safety of traffic by installation of warning sign boards / Flags at cross roads as well as at the site of emergency, warning lights and constructions of speed breakers etc. per site situation.
- d. Possibility of diverting traffic on other road, if so possible, will be informed to the Superintending Engineer Highway (M&R) Circle Rawalpindi and Chief Engineer accordingly for awareness of user of the roads through information Media i.e. press, radio and television.
- e. The undersigned will impose speed restriction and load restriction on the road section in his jurisdiction where the road has been effected / damaged by flood / rain water.
- f. Arrangement for one-way traffic, as the case may be, shall be made temporarily by the undersigned in his area and staff will be deployed by him to ensure safe and smooth movement of traffic.
- g. In case of small damages / pot holes appeared after flow of flood / rain water, these should be temporarily filled with soil, sand, stone etc by the staff deployed for the purpose and traffic be restored by the undersigned.

The following machinery is available to meet with the flood emergency.

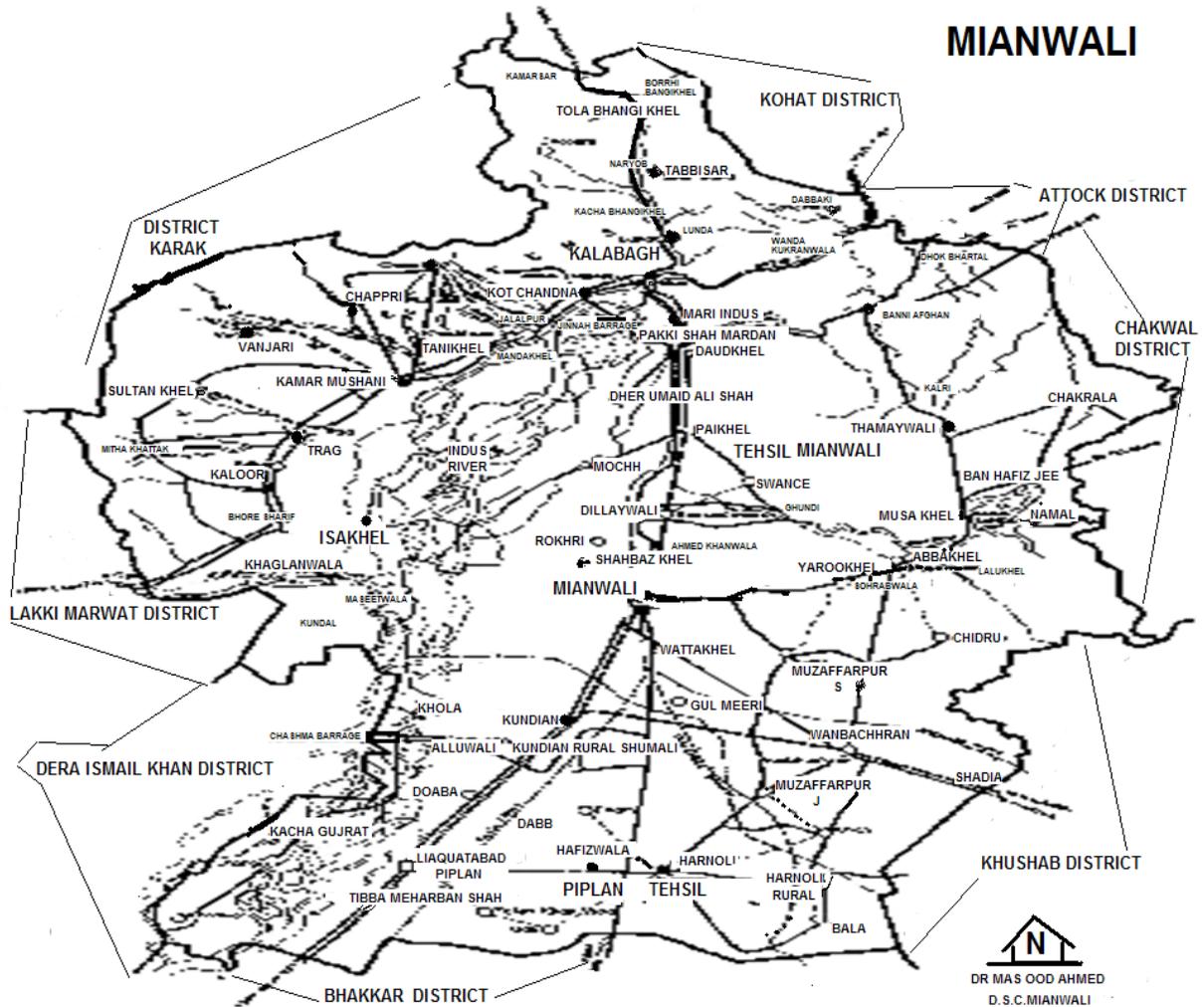
DETAIL OF DEPARTMENTAL MACHINERY:

- | | |
|---------------------------|----------|
| 1. Tractor with Trolley = | 01 No |
| 2. Pick Up Hillex | = 01 No |
| 3. Road Roller | = 03 Nos |

Moreover, all the maintenance staff within the jurisdictions of this office will remain vigilant and ensure that in case of flood emergency, machinery is made available at site for restoration of roads. They have also been directed to keep close watch during the flood / rainy season on roads as well as staff to avoid accident and to avoid suspension of traffic.

MONSOON CONTINGENCY PLAN 2018

Health department District: MIANWALI



DISTRICT PROFILE

(Please give brief description of the district, specifically mentioning the location of rivers, drains/nallas and other potential sources of threats during monsoon due to floods, flash flood and hill torrents).

Table 1 Basic Information

| Parameters | No. |
|--------------------------|------------|
| Total Population | 1383225 |
| Total Area in sq.kms | 5840 |
| No. of Tehsils | 03 |
| No. of Union councils | 56 |
| Health facilities | |
| DHQs # | 01 |
| THQs # | 03 |
| RHCs | 10 |
| BHUs | 41 |
| Other Health Facilities | 23 |
| Human Resources | |
| Medical Officers | 42 |
| Male Paramedic | 107 |
| SH&N Supervisor | 31 |
| Female Paramedics | 72 |
| Support Staff | |
| Male | 115 |
| Female | 74 |
| Drivers | 40 |
| Spray man | 37 |
| LHW | 960 |
| LHS | 47 |
| CMW | 35 |

AREAS LIKELY TO BE AFFECTED**Table 2 High Intensity Floods/Flash floods/Hill Torrents; Geographic Areas, Population & HF likely to be affected**

| Total Population likely to be affected | | | | |
|---|----------------------|---|---|--------------------------------|
| Tehsil | Union Council | Village/s | Population likely to be affected | Nearest Health Facility |
| Isa Khel | Kalabagh | Wandha Kukran Wala | 18118 | THQ Kalabagh |
| Isa Khel | Tabbisar | Lunda Bangi Khel, Katcha Bangi Khel, Wesor | 17534 | RHC Tabbi Sar |
| Isa Khel | Tani Khel | Manda Khel, Thal Manda Khel, Jalian Wala, Mirki Khel, Advanawala, Dera Nanzak, Katch Manzoor Abad | 24417 | RHC Kammar Mushani |
| Isa Khel | Kamar Katcha | Chak Akoo Khel, Msri Khan Wala, Chak Sarkar, Derajat Katcha Kamarmushani | 21864 | RHC Kammar Mushani |
| Isa Khel | Trag | Mehr Shah Wali, Janti Wali, Katcha Trag, Baroch Sultan Khel, Karandi, Seral Kandi, Girarain Wala, Ulmawanwala, Dag Wala | 22445 | RHC Trag |
| Isa Khel | Vanjaree | Malla Khel, Dada Sheikh Nika, Derajat Malla Khel | 21183 | BHU Vanjari |
| Isa Khel | Kaloor | Cheena Pora, Katalay Wala | 25116 | BHU Kaloor Sharif |
| Isa Khel | Isa Khel | Satti Wala, Katcha Isa Khel | 23610 | THQ Isa Khel |

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

| Total Population likely to be affected | | | | |
|---|----------------------|---|---|--------------------------------|
| Tehsil | Union Council | Village/s | Population likely to be affected # | Nearest health Facility |
| Mianwali | Mari | Purani Mari | 17359 | BHU Mari Indus |
| Mianwali | Dher | Muqem Wala, Ganda, Bahwal Atta Muhammad, Utrawan Wala Khurd, Muqarab Wala | 25581 | BHU Thathi |
| Mianwali | Dillaywali | Katcha Madat Wala, Moza Sultan Wala, Skeikhan Wali, Noranga, Burhan Wala | 21525 | BHU Dilay Wali |
| Mianwali | Mochh | Muhammad Sharif Wali, Hindal Wala, Fateh Khan Wala | 24129 | RHC Mochh |
| Mianwali | Rokhari | Allah Khel Derajat, Katch Sonay Khel, Hathi Khel, Darhal. Arwar | 19224 | BHU Rokhari |
| Mianwali | Shahbaz Khel | Toba Khabaray Wala, Katcha Shahbaz Khel | 20224 | BHU Ahmad Khan Wala |
| Mianwali | Watta Khel | Madhoran Wala | 25728 | GRD Watta Khel |

Table 4 Mild Intensity Floods/Flash floods/Hill Torrents; Geographic Areas, Population & HF likely to be affected

| Total Population likely to be affected | | | | |
|--|---------------------|---|------------------------------------|-----------------------------|
| Tehsil | Union Council | Village/s | Population likely to be affected # | Nearest health Facility/ies |
| Piplan | Kundin Rural | Ghandi, Ali Wali, Haider Colony, Radhani Wala, Langry Khel | 21215 | RHC Kundian |
| Piplan | Kundina 48 | Noor Khel Jakor, Budhay Khel, Hussain Khel, Keetan Wala | 26173 | RHC Kundian |
| Piplan | Alluwali | Alluwali | 26369 | |
| Piplan | Doaaba | Doaaba, Jaal Shumali | 24311 | BHU Doaaba |
| Piplan | Piplan | Dhingana, Jaal Janoobi, Moh. Gulu Khel, Moh. Jan Muhammad, Molvi Saeed, Wandhi Joyian Wali | 31668 | THQ Piplan |
| Piplan | Tibba Mehr Ban Shah | Katcha Musi Wali, Purani Mudsi Wal, Katcha Vanota, Vanota Shehr, Katcha Matha, Wandha Mureed Abbas Shah, Wandhi Jeevan Abad | 29194 | BHU Tibba Gama Shah |
| Piplan | Kacha Gujrat | Katcha Gujrat Derajat | 26732 | |

| | |
|--|--|
| Grand Total of Population likely to be affected | Grand total of Area likely to be affected |
| 127990 | 80 |

Map of District

(Please insert map of the district showing demographic details, Health facilities, and major water channels with areas likely to be affected with colour coding as under)

- *Red:* for High Intensity
- *Orange:* for Moderate Intensity Floods
- *Yellow:* for Mild Intensity Floods

Disaggregation of Population at Risk

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

| Total Population Likely to be Affected | | 127990 | |
|---|----------|---------------|----------------|
| Target Group | % | Annual | Monthly |
| Expected Pregnancies | 3.40% | 4,352 | 363 |
| Expected Births | 2.90% | 3,712 | 309 |
| 0-11 Months | 2.70% | 3,456 | 288 |
| 0-23 months | 5.20% | 6,655 | 555 |
| 0-5 years | 13.40% | 17,151 | 1429 |
| Married CBAs (15 to 49 y) | 16% | 20,478 | 1707 |

Table 5 Vulnerable groups of target population

Table 6 Expected Burden of Disease

| | | | |
|----|--------------------------------|-------|--------|
| 1 | Injuries | 2% | 2,560 |
| 2 | Snake bite | 0.03% | 38 |
| 3 | Dog bite | 0.08% | 102 |
| 4 | Skin infection | 21% | 26,878 |
| 5 | Eye infection | 6% | 7,679 |
| 6 | Diarrhea | 11% | 14,079 |
| 7 | ARI | 18% | 23,038 |
| 8 | Fever | 10% | 12,799 |
| 9 | Others | 31% | 39,677 |
| 10 | Expected Malnourished Children | 13% | 16,639 |
| 11 | Expected Malnourished PLWs | 15% | 19,199 |
| | | | |

FIXED CENTRES& MOBILE TEAMS PLANNED

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

HR for each Fixed Centre

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

HR for each Mobile Teams

| | |
|-----------------|---|
| Medical officer | 1 |
| LHVs | 1 |
| Dispensers | 1 |
| Driver | 1 |

Flood Emergency Duty Roster .

| S. # | Camp Area | Tehsil Name | Timing 08:00am to 03:00pm | | Ambulance and Driver name with institution |
|-----------------------|--|-------------|---|--|---|
| | | | Name & Designation | Place of Posting | |
| TEHSIL MANWALI | | | | | |
| 1 | Modaran Wala | Mianwali | <ul style="list-style-type: none"> • Dr.Abdul Basit Khan MO (PRSP) 03317453151 • Muhammad Suleman Disp. • Khalid Khan S.I • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | BHU Hussain Wala ZCd Watta Khel BHU Hussain Wala | Ambulance DHQ Hospital Mianwali alongwith Saleem Waqas Driver 0301-3951718. Vehcle # MIG-12 |
| 2 | Rokhari (Govt. Boys High School Rokhari) | Mianwali | <ul style="list-style-type: none"> • Dr. Maskeen Khan MO • M. Latif S.I 0308-5637611 • Israr Shah Chowkidar • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | DHQH Mianwali BHU Rokhari - BHU Rokhari | Ambulance DHQ Hospt: Mianwali alongwith Alam Khan Driver 0300-5294127 |
| 3 | Dher Yaroo Wala | Mianwali | <ul style="list-style-type: none"> • Dr. Amjad Abbas MO • Mehmood-ur-Rehman SMT 0300-6094037 • Zafar Iqbal S.I. • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | DHQH Mianwali BHU Hussain Wala RD Shahbaz Khel BHU Ahmed Khanwala | Ambulance DHQ Hospital Mianwali alongwith Zia Ullah Khan Driver Vehicle # MIG-1002 |
| 4 | Tari Khel (Govt. Elementary Boys School Tari Khel) | Mianwali | <ul style="list-style-type: none"> • Dr Arshid Iqbal khan MO (PRSP) 0313-7098775 • M. Bilal SI 03317194325 • M. Iqbal Khan SP • M. Ajmal Khan SP • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | BHU Ghundi BHU Dilay Wali DOH Office Mianwali | Ambulance BHU Lalu Khel (EmONC Program) alongwith Imran Khan 0300-6081138 , Asif Khan 0300-7716565 Driver. Vehicle # MIG-17 |
| 5 | Muhammad Sharif Wali (Govt. Boys Primary School) | Mianwali | <ul style="list-style-type: none"> • Dr. Junaid Khan MO (PRSP) 0344-5888775 • Abdul Star • Gul Naz W/ Cleaner • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | BHU Dilay Wali BHU Pai Khel RHC Mochh | Ambulance RHC Mochh alongwith Amwar Khan, 0302-6359506, Naimat Ullah Khan, 0302-4734743 Driver. MIA-1638 |
| 6 | Govt. Higher Secondary School Mochh Adda | Mianwali | <ul style="list-style-type: none"> • Dr. Junaid Khan MO 0316-7765415 • Mehdi Dispenser (0302-6357134) • Azeem T.W.O • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | RHC Mochh -do- -do- | On Call Ambulance RHC Mochh alongwith Amwar Khan, 0302-6359506, Naimat Ullah Khan, 0302-4734743 Driver. MIA-1638 |
| 7 | Govt. Boys High School Mari Indus | Mianwali | <ul style="list-style-type: none"> • Dr Ahsan Asghar MO (PRSP) (0301-5269964) • Dr.Fehmeeda BHU Mari Indus WMO • Adnan Saddique CDC Sup. • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | BHU Paki shah mardan BHU Mari Indus | On Call Ambulance BHU Pai Khel (EmONC Programme) alongwith Asmat Ullah Khan, 0301-6169683, Ijaz Rasool, 0301-4761793 Driver. MIG-18 |
| 8 | Govt. Boys High School Pai Khel | Mianwali | <ul style="list-style-type: none"> • Dr.Sadullah Khan MO 03348803083 • Zahid Hussain CDC Sup. • Ward Servant. • 01-LHS (NP).02-LHWs (NP) • 02-CMWs (IRMNCH) | BHU Pai Khel BHU Pai Khel -do- | Ambulance BHU Pai Khel (EmONC Programme) alongwith Asmat Ullah Khan, 0301-6169683, Ijaz Rasool, 0301-4761793 Driver. MIG-18 |

| TEHSILPIPLAN | | | | | |
|------------------------------|---|----------|--|---|---|
| 9 | Ghandi (Kundian Rural Shumali) | Piplan | <ul style="list-style-type: none"> • Dr.Zafarullah Khan MO (PRSP) 0300-4826461 • Khan Muhammad Disp. • Rana Wajid S.I • Zahoor Ahmed SP • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | BHU Muzaffarpur BHU kundian rural shumali -do- RHC Kundian | Ambulance RHC Kundian alongwith Khalid Shezad Driver 0332-8795500. MIA-2801 |
| 10 | Ahmed Shah Wali U/C Katcha Gujrat | Piplan | <ul style="list-style-type: none"> • Dr. Malik Sana Ullah 0341-7987075 • M Asif Dresser 0345-7784547 • Shafique CDC Sup • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | IRHC Hafizwala IRHC Hafizwala U/C Katch Gujrat | Ambulance IRHC Hafiz wala along with M. Akbar Driver 0341-8752272. MIG-1406 |
| 11 | Govt. Boys High School Doaaba | Piplan | <ul style="list-style-type: none"> • Dr. Malik Naveed 0300-6095758 • M Tahir CDC Sup • Ijaz SI • Zafar Iqbal SP,01-LHS (NP), • 02-LHWs (NP)02-CMWs (IRMNCH) | THQH Piplan BHU Doaaba BHU Naseer Wala IRHC Hafizwala | Ambulance THQ Hospital Piplan Alongwith M. Saleem Driver 0303-6441446. MIG-1062 |
| 12 | Govt. High School Tibba Mehrban Shah | Piplan | <ul style="list-style-type: none"> • Dr.Abu Bakar MO 0346-4678646,Hafiz Yamin MT • Tauqeer Khan CDC Sup. • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | THQH Piplan BHU Hernoli UC Tibba Gama Shah | On Call Ambulance THQ Hospital Piplan Alongwith M. Saleem Driver 0303-6441446. MIG-1062 |
| <u>Tehsil Isakhel</u> | | | | | |
| 13 | Govt. Degree College Isa Khel | Isa Khel | <ul style="list-style-type: none"> • Dr.Asif Hayat MO 0341-8007714 • Khalid Javed Disp. • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | THQH Isa Khel -do- | Ambulance THQ Hospital Isa Khel alongwith Sana Ullah, Driver 0300-4478265. MID-1003 |
| 14 | Town Committee Kalabagh | Isa Khel | <ul style="list-style-type: none"> • Dr. Mehmood MO • Qasim Dispenser • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | THQH Kalabagh -do- | Ambulance THQ Hospital Kalabagh alongwith Ali Akbar Shah Driver, 0300-6080631. MID-1437 |
| 15 | Govt. High Secondary School Kamar Mushani | Isa Khel | <ul style="list-style-type: none"> • Dr. Mansoor MO 0300-6080215 • Azhar Dispenser • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | RHC Kamar Mushani -do- | Ambulance RHC Kamar Mushani alongwith Javaid Iqbal Driver, 0300-5541232, Zubair Khan. MIG-21 |
| 16 | Katcha Cheena Porra UC Kaloor Sharif | Isa Khel | <ul style="list-style-type: none"> • Dr. Zafar Malik MO • 03315354425 • Usman ullah Dispenser • 03027881468 • 01-LHS (NP) • 02-LHWs (NP) • 02-CMWs (IRMNCH) | BHU Kaloor Sharif -do- | Ambulance RHC Trag alongwith Sana Ullah Khan Driver. MIG-20 |

Preventive Health Teams

One Preventive Health Team will be allocated for each affected Union Council. They will perform their prescribed functions with-in allocated Union Council.

Table 7 Preventive Health Teams to support Fixed & Mobile Teams

| S # | Name of UC | Preventive Health Team |
|-----|----------------------|---|
| 1 | Isa Khel | Safi Ullah Si Shenaz Akhter Lhs |
| 2 | Khaglan Wala | Yasir Arafat CDCS Abdul Khaliq SI Saleema Raza LHS |
| 3 | Kaloor Sharif | Fazul Rehman CDCS Khadim Hussain SI Safia BiBi LHS |
| 4 | Sultan Khel | Fiaz Muhammad CDCS Anis Fatima SHNS Abdul Qayyum N/Q Sultana BI BI LHS |
| 5 | Trag | Raza Muhammad CDCS Taj Muhammad SP Muhammad Arif W/C LHS Concerned |
| 6 | Kammer Mushani Urban | Abdul Ghafoor CDCS Nargis Fatima LHS |
| 7 | Kammer Mushani Rural | Abdul Ghafoor CDCS LHS Concerned Mubashir Nadeem SP Basit Bilal W/S |
| 8 | Vanjari | Amir Aziz SHNS Abdul Ghafoor CDCS Hafiz Matti Ur Rehman LHS Concerned Zia Ullah N/Q |
| 9 | Tani Khel | Bilal Ayub SP Kammar Mushani Jamil Khan N/Q LHS Concerned |
| 10 | Chapri | Alam Shah DISP Munir SI M Shafi N/Q LHS Concerned |
| 11 | Kot Chandna | Sadullah SHNS M Irfan Khan SI Abdul Khaliq Sp Abdul Aziz N/Q LHS Concerned |
| 12 | Kala Bagh | Azhar Shah Si M Akram W/C THQ Kala Bagh Balqees Fatima LHS |
| 13 | T.B Khel | Hafiz Ehsan SI LHS Concerned Adil SP |
| 14 | Tabi Ser | M Asif CDCS Nighat Samina LHS Etabar Khan SP Adil SP |
| 15 | Mianwali i | Lubna Shamim LHS , M Tariq SP |
| 16 | Mianwali ii | Tasleem Akhter LHS, M Iltaf Hussain SP |
| 17 | Mianwali iii | Saima sana |
| 18 | Mianwali iv | Mushtaq CDCS, Ruqaya Rashid LHS |
| 19 | Watta Khel | Matti Ullah Khan CDCS, Khalid Javaid SI LHS Concerned Fakher Zaman GRD Watta Khel |
| 20 | Yaru Khel | M Iltaf SI, Khan Zaman CDCS, Rukhsana Sadiq LHS, Saima Syad SHNS |
| 21 | Shebaz Khel | Abid Iqbal Khan CDCS, M Naeem Akhter SHNS, Zafer Iqbal Khan Si Naima Noreen LHS |
| 22 | Rokhri | Abdul Latif Si, Zubaida Hayyat SHNS, Rabia Abbas LHS N/Q Concerned |
| 23 | Diley Wali | Humaira Mehmood SHNS, Ahmad Bilal SI, Rafiullah CDCS Kalsoom Bi Bi, N/Q Concerned |
| 24 | Mochh | Murad Ali CDCS, Jamila LHS, Gulnaz N/Q |
| 25 | Dher Umaid Ali Shah | Imtiaz Hussain CDCS, Amir Iqbal Khan SHNS M Arshad SI, Azra Batool LHS, Mumta Hussain N/Q BHU Thathi |
| 26 | Daud Khel | Imtiaz CDCS, M Hayyat SP, Azizan Malik LHS |
| 27 | P.S. Merdan | Shafqat Iqbal CDCS, Azher Si, Mujtaba Khan SHNS Mukhtiar Shaheen LHS, |
| 28 | Mari | Adnan Sadiqui CDCS, Mukhtiar Shaheen LHS, Maria Khan SHNS Zulqernain SI, Basharat Shah N/Q |
| 29 | Chikrala | Atta Ullah CDCS, Fozia Bukhari LHS, Mumtaz Sp |
| 30 | Thamey Wali | Fateh Khan CDCS, Amir SI, Zeenat BiBi LHS |
| 31 | Ban Hafiz Jee | Abdul Khaliq CDCS, Ahmad Iqbal Sp, LHS Concerned |

| | | |
|----|-----------------------|--|
| 32 | Namal | Ameer Afzal CDCS,Sana Bari LHS |
| 33 | Pai Khel | Zahid Hussain CDCS,Shakil Abbas SHNS,M. Yousaf SI,Shamshad LHS |
| 34 | Sawance | Sajid Khan SI,Qasir Zaman CDCS,Ghulam abbas SHNS,Asia Hameed LHS |
| 35 | Musa Khel | Bus Khatoon LHS , |
| 36 | Chidru | Mian Sajjad Haidar SI,M Irfan SHNS,Asma Naheed LHS |
| 37 | Abba Khel | Nemat Ullah Khan CDCS,M Hussain Si, M Ehsan SHNS Samina Iqbal LHS |
| 38 | Gulmeeri | Orang Zaib Khan CDCS,Zaibia Zafer SHNS LHS Concerned |
| 39 | Muzafer Pur Shumali | Asmat Ullah CDCS,Arshad Ilyas SHNS LHS Concerned |
| 40 | Muzafer Pur Janubi | M Farooq Si,M Akram SI,Kalsoom Akhter LHS |
| 41 | Wan Bachran | Shahid Abbas CDCS,M Imran Sp,Sajida Perveen LHS Malik Amir SI |
| 42 | Shadia | Zafer Iqbal CDCS,M Sultan Si,Asif Imran SHNS Zubaida Niaz LHS ,M Ilyas SP |
| 43 | Piplan | Salbia Riaz LHS |
| 44 | Kacha Gujrat | Shafique Ahmad CDCS,Sajida LHS,Tufail Vacc |
| 45 | Doaaba | Tahir Mehmood CDCS,Ume Kalsoom LHS,Wahid Ali Shah SI |
| 46 | Allu Wali | Riaz SP,Nighat Gull LHS,Muhammad Ijaz SI |
| 47 | Khola | Sajida IqbalLHS ,Muhammad Bashir W/B |
| 48 | Kundian i | Perveen Akhter LHS,Nadeem Anwer |
| 49 | Kundia ii | Nighat Hakeem LHS , |
| 50 | Kundian Rural Shumali | Akhter Hussain CDCS/ CDCI,Wajid Shabir Si,Rafia Sultana LHS,Nosheer Farooq SHNS |
| 51 | Hernoli Urban | Muhammad Nasir SHNS,Safia Naheed LHS Qadeer SI,Muhammad Khan SP |
| 52 | Hernoli Rural | Rafqat Ali Si,Fozia Misal SHNS,Sadia Yaqoot LHS Muhammad Imran Sp |
| 53 | Bala | Habib Ur Rehman CDCS,Muhammad Sardar SI,Naheed Akhter SHNS Shaheen Akhter LHS |
| 54 | Hafiz Wala | Muhammad Rafique CDCS,Tahira Perveen LHS, Rukhsana BiBi LHS Zafer Iqbal Sp |
| 55 | Dabb | Taj BiBi LHS,Muhammad Nawab Sp |
| 56 | T M Shah | Touqir Saqib CDCS,Taseer Khan SHNS,Muhammad Ishaq SI,Robina Naz LHS |

LOGISTICS

Table 8 logistic gap analysis

| Item | Quantity Required | Stock In Hand | Gap |
|---|-------------------|---------------|--------------|
| Emergency Health Kit (EHK) (1 EHK is sufficient for 6000 population for 1 month) | 22 | NIL | 22 |
| ARV @5 doses/pt | 2500 doses | 300 | 2200 doses |
| ASV @3 Doses/pt | 1000 doses | 100 doses | 900 doses |
| TAB Cholra vaccine | 200 vials | NIL | 200 vials |
| Normal saline 1000ml | 1000 | NIL | 1000 |
| Flagyl Syp | 5000 | NIL | 5000 |
| Vit.A Capsules | | | |
| | <i>Blue</i> | 1000 | 1000 |
| | <i>Red</i> | 5000 | 5000 |
| ORS | 100000 | 3000 | 97000 |
| Tab. Chloroquine | 10000 | NIL | 10000 |
| Tab. Primaquine | 6000 tab | 1300 tab | 4700 tab |
| Safe Delivery Kits | 600 (M) | 0 | 600 (M) |
| Plumpy Dose | 100 (cotton) | 0 | 100 (cotton) |
| High Energy Biscuits | 500 | 0 | 500 |

| | | | |
|-----------------------------------|----------|--------|-----------------------|
| Micronutrient Tabs | 5000 tab | 0 | 5000 |
| Sprinkles | 4200 | 0 | 4200 |
| Aqua Tabs for Water purification | 60000 | 30000 | 30000 |
| Vector Control Stocks | | | |
| Insecticides | | | |
| Deltamethrine 5 % WP | 1000 kg | 265 kg | 735 kg |
| Equipment | | | |
| Ambulances | 14 | 16 | In control of 1122 |
| Personal Protection Equipment | 200 | 0 | 200 |
| Spray Pumps | 100 | 30 | 70 |
| Fogging Machines | | | |
| <i>Hand Held</i> | 7 | 7 | 0 |
| <i>Vehicle Mounted</i> | 1 | 0 | 1 |
| Mosquito Bed Nets | 2100 | 2100 | 0 |
| Diagnostics | | | |
| Rapid Diagnostic Kits for Malaria | 4300 | 4300 | 0 |
| Microscopy centres | 15 | 15 | 0 |
| Bleaching powder | 500kg | 300kg | 200kg |

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.)

Table 9 Details of Local Partners & their support

| S. No. | Name of NGO/Partner | Contact Details & Address | Areas of Support |
|--------|---------------------|---------------------------|-------------------|
| 1 | PHFMC Mianwali | 0459-920148 | District Mianwali |

MANAGEMENT AND COORDINATION

The overall responsibility of management and coordination would lie with Health & Nutrition Coordination Committee under overall supervision of EDO-Health. The Coordination Committee will comprise of District Officer Health, Deputy District Officers Health, PHS, DCNP, CDCO, DSV, DSI and representatives from UN Development partners with EDO-Health 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.

The District Control Room (DCR) will start functioning w.e.f 1 July 2016 under the supervision of DOH/ Focal Person - contact No. 0459-920138, 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→ | |
| Name/Designation of official on duty (shift wise):→ | Morning: Abdul Aziz, S/C |
| | Evening: Jawad ul Zaman Khan J/C |
| | Night: Abdul Ghafar Tracer |

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 Fixed Centres 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. District should reserve the stock of medicines according to their target population and expected disease burden. The amount of medicines/vaccines and other logistics reserved for flood emergency should be sufficient for at least one month.

Disease Surveillance and Epidemic Response

At the same time exiting reporting will be immediately converted to Daily Mode to timely detect and respond to epidemic. The District Epidemic Response Team (DERT) will comprise of DoH, District Pathologist, Medical Specialist, Paediatrician and District Surveillance Coordinator. The Disease Surveillance 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 10 District Emergency Response Team (DERT)

| Designation | Name | Contact # |
|-----------------------------------|--------------------------|--------------------------|
| DHO (PS) | Dr. Kashif Ali Miana | 0300-6090190 |
| District Pathologist | Dr. Shoukat Zaman | 0333-4222388 |
| District Medical Specialist | Dr. Malik Raiz | 0333-6832650 |
| District Paediatrician | Dr. Khursheed Ahmed Khan | 0459-920125, 0459-920126 |
| District Surveillance Coordinator | Dr. Sagheer Ahmed Khan | 0321-4582842 |

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 |
|---------------|--|-----------------------------------|-----------------------|
| 1. | Finalisation and Submission of District Contingency Plan for Monsoon 2017 to Directorate | 30 th April | CEO DHA |
| 2. | Notification of District Coordination Team | 1 st June | CEO DHA |
| 3. | Initiation of regular meetings of District Coordination Teams | 1 st week of June | CEO DHA |
| 4. | Arrangement of Deficient Stocks of logistics/Supplies | 15 th June | CEO DHA |
| 5. | Mapping of local NGOs / CBOs that can be helpful during any emergency | 2 nd Week of June | CEO DHA |
| 6. | Pre-positioning of Reserve Stocks at Designated Points/Health Facilities | 20 th June | DHO (PS)/DDHO |
| 7. | Initiation of regular meetings of District Coordination Teams | First week of June | CEO DHA |
| 8. | Orientation Training of Staff on disease reporting, etc. | 2 nd week of June | CEO DHA |
| 9. | Dry run rehearsal | 3 rd week of June | DHDC |
| 10. | Review of Preparations | 4 th week of June | CEO DHA |
| 11. | Activation of District ERT and Control Room | 1 st July | CEO DHA |
| 12. | Disease Reporting on Weekly Basis | Immediate | CDCO |
| 13. | Switching over to Daily Reporting Mode | On declaration of flood emergency | CDCO |

EMERGENCY HEALTH KIT



World Health
Organization

WHO Emergency Health Kit

For An area of Having population of 6,000 for 1 months

| Sr# | Items | Formulation | Qty/ MEHK kit | Packing Details (Box No.) |
|-----|--|--|---------------------|---------------------------------|
| 1 | Aluminium Hydroxide 200mg + Magnesium Trisilicate 200mg + Simethicone 25mg | Tablet (Chewable) Aluminium Hydroxide 200mg + Magnesium Trisilicate 200mg + Simethicone 25mg Strip/blister | 2,000 | 1 |
| 2 | Amoxicillin | Capsule or tablet, 250 mg (anhydrous) Strip/blister | 1,000 | 1 |
| 3 | Amoxicillin | Capsule or tablet, 500 mg (anhydrous) Strip/blister | 500 | 1 |
| 4 | Amoxicillin | Drops 125mg/1.25ml, 10ml | 60 | 1 |
| 5 | Polymyxin B + Bacitracin Zinc | Eye ointment, Polymyxin B Sulphate 10,000iu + Bacitracin Zinc 500 Units in Petrolatum Base, 6g | 100 | 1 |
| 6 | Ibuprofen | Tablets 400mg Strip/blister | 500 | 1 |
| 7 | Paracetamol | Drops, 80mg/0.8ml, 15ml | 60 | 1 |
| 8 | Ferrous sulphate (Exsiccated) + Folic Acid | Tablet, Ferrous sulphate (Exsiccated) 150mg + Folic Acid 0.5mg Strip/blister | 1,000 | 1 |
| 9 | Mebendazole | Tablet, 100 mg Strip/blister | 120 | 1 |
| 10 | Oral Rehydration salt (LOS) | Dry mixture (Low Osmolarity Formula) in sachet for 1 liter of solution | 160 | 1 |
| 11 | Zinc Sulphate | Oral Solution 0.5 mg/5ml, 60ml | 45 | 1 |
| 12 | Adhesive Tape (Hypoallergenic) | Size 1" | 12 | 1 |
| 13 | Cotton Bandages | 10cm x 3m | 12 | 1 |
| 14 | Examination Gloves | Medium Size Box of (100's) | 1 | 1 |
| 15 | Ampicillin | Injection 500mg | 50 | 2 |
| 16 | Amikacin | Injection 250mg | 50 | 2 |
| 17 | Hydralazine Hcl | Tablets, 25mg, Blister/Strip | 100 | 2 |

| | | | | |
|----|-----------------------------------|--|-------|---|
| 18 | Clotrimazole (Single Tablet Pack) | Tablet, 0.5g with Applicator | 50 | 2 |
| 19 | Water For Injection | 5ml Ampoule | 100 | 2 |
| 20 | Folic Acid | Tablet, 5mg Strip/blister | 1,000 | 2 |
| 21 | Metronidazole | Tablet Film coated, 400 mg Strip/blister | 400 | 2 |
| 22 | Methylergometrine H maleate | Injection 0.2mg/ml, 1ml Ampoule | 10 | 2 |
| 23 | Oxytocin | Inj, 5iu/ml, 1ml | 10 | 2 |
| 24 | Tranexamic Acid | Injection, 5% W/V, 5ml | 10 | 2 |
| 25 | Tranexamic Acid | Cap.250mg Strip/blister | 100 | 2 |
| 26 | Salbutamol | Respirator solution, for use in nebulizers, 0.5% W/V, 20ml | 20 | 2 |
| 27 | Salbutamol | Tablet 4mg Strip/blister | 240 | 2 |
| 28 | Absorbant Cotton Wool | 500 grams | 10 | 3 |
| 29 | Lidocaine | Topical 2% W/V, 15gms | 10 | 3 |
| 30 | Povidone iodine | Solution 10% W/V, 450ml | 3 | 3 |
| 31 | Adhesive Tape (Hypoallergenic) | Size 1" | 12 | 3 |
| 32 | Butter Fly Needle | 21 G | 5 | 3 |
| 33 | Butter Fly Needle | 25 G | 5 | 3 |
| 34 | Blood Lancets | Units | 5 | 3 |
| 35 | Cotton Bandages | 10cmx3m | 48 | 3 |
| 36 | Examination Gloves | Medium Size Box of (100's) | 2 | 3 |
| 37 | Endotracheal Tube | Size 3.0 | 1 | 3 |
| 38 | Endotracheal Tube | Size 3.5 | 1 | 3 |
| 39 | Endotracheal Tube | Size 4.0 | 1 | 3 |
| 40 | Endotracheal Tube | Size 4.5 | 1 | 3 |
| 41 | Endotracheal Tube | Size 7.0 | 1 | 3 |
| 42 | Endotracheal Tube | Size 7.5 | 5 | 3 |
| 43 | Foleys Catheter | Size 12 | 1 | 3 |
| 44 | Foleys Catheter | Size 14 | 3 | 3 |
| 45 | Foleys Catheter | Size 16 | 7 | 3 |
| 46 | Stomach Tube | Size 12 | 3 | 3 |
| 47 | Stomach Tube | Size 14 | 2 | 3 |
| 48 | Stomach Tube | Size 16 | 2 | 3 |
| 49 | Stomach Tube | Size 18 | 2 | 3 |
| 50 | I.V.Cannula with port | No.20 | 5 | 3 |
| 51 | I.V.Cannula with port | No.22 | 5 | 3 |
| 52 | I.V.Cannula with port | No.18 G | 5 | 3 |

| | | | | |
|----|--|--|-------|---|
| 53 | I.V.Cannula | No.24 | 5 | 3 |
| 54 | I.V.Sets | Unit | 60 | 3 |
| 55 | Masks | Face Mask | 5 | 3 |
| 56 | Nasogastric Tubes/Feeding Tube | Size 6 | 7 | 3 |
| 57 | Nasogastric Tubes/Feeding Tube | Size 8 | 9 | 3 |
| 58 | Nasogastric Tubes/Feeding Tube | Size 10 | 2 | 3 |
| 59 | Nasogastric Tubes/Feeding Tube | Size 12 | 1 | 3 |
| 60 | Nasogastric Tubes/Feeding Tube | Size 16 | 1 | 3 |
| 61 | Nasogastric Tubes/Feeding Tube | Size 18 | 1 | 3 |
| 62 | Silk with Needle | Size 2, 75cm | 5 | 3 |
| 63 | Silk with Needle | Size 3, 75cm | 5 | 3 |
| 64 | Syringes | 5cc | 50 | 3 |
| 65 | Syringes | 1cc | 10 | 3 |
| 66 | Volumetric Chamber (I.V Burret) | 100ml | 20 | 3 |
| 67 | Nebulizer Kit | Unit | 10 | 3 |
| 68 | Enema | 120ml | 10 | 4 |
| 69 | Chloroquine Phosphate | Tablet, 250mg Strip/blister | 500 | 4 |
| 70 | Omeprazole | Capsule/Tablet 20mg Strip/blister | 301 | 4 |
| 71 | Ranitidine | Tablets Film coated, 150mg Strip/blister | 280 | 4 |
| 72 | Ranitidine | inj 50mg/ml | 10 | 4 |
| 73 | Atropine | Injection 1mg/1ml | 10 | 4 |
| 74 | Chloramphenicol | Drops Ear 0.5%; 10ml | 10 | 4 |
| 75 | Chlorpheniramine maleate | Tablets 4mg Strip/blister | 1,000 | 4 |
| 76 | Dexamethasone Sodium Phosphate | Inj.4mg/ml, 1ml | 25 | 4 |
| 77 | Mebendazole | Oral suspension 100mg/5ml | 50 | 4 |
| 78 | Hydrocortisone | Sterile Powder for injection , 100mg+1 Ampoule Water for Injection(2ml) | 10 | 4 |
| 79 | Diclofenac Sodium | Injection 75mg/3ml | 50 | 4 |
| 80 | Diclofenac Sodium | Tablet, 50mg | 300 | 4 |
| 81 | Dimenhydrinate | Tablet, 50mg Strip/blister | 300 | 4 |
| 82 | Prochlorperazine | Tablet, 5mg Strip/blister | 60 | 4 |
| 83 | Glibenclamide | Tablet, 5mg Strip/blister | 120 | 4 |
| 84 | Metformin Hydrochloride | Tablet, 500mg Strip/blister | 100 | 4 |
| 85 | Sodium dichloroisocyanurate Tab (Aquatab) | Tablet, 33mg Strip/blister | 400 | 4 |

| | | | | |
|-----|------------------------------------|---|-------|-----|
| 86 | Ciprofloxacin | Tablet coated, 250mg Strip/blister | 300 | 5 |
| 87 | Doxycycline | Capsule or tablet 100 mg (as hydrochloride) Strip/blister | 200 | 5 |
| 88 | Erythromycin Stearate | Tablet Film coated, 250mg Strip/blister | 600 | 5 |
| 89 | Sulfamethoxazole + Trimethoprim* | Tablet, Sulfamethoxazole 400mg+80 mg Strip/blister | 1,000 | 5 |
| 90 | Atenolol | Tablet (scored), 50mg Strip/blister | 100 | 5 |
| 91 | Enalapril Maleate | Tablet, 5mg Strip/blister | 20 | 5 |
| 92 | Acetylsalicylic Acid | Tablet coated, 75mg | 100 | 5 |
| 93 | Clotrimazole | 1%, Cream, 10gms | 20 | 5 |
| 94 | Miconazole | Oral Gel, 20mg/g, 20grms | 20 | 5 |
| 95 | Furosemide | Tablet, 40mg Strip/blister | 100 | 5 |
| 96 | PolymyxinBsulphate+Bacitracin Zinc | Skin ointment, Polymyxin B Sulphate 10,000iu + Bacitracin Zinc 500 Units in Petrolatum Base, 20 gms | 100 | 5 |
| 97 | Clean delivery kit | Cardboard Box (at least 500gm) (with kit contents printed/pasted on lid), as per sample | 20 | 6 |
| 98 | Chloroquine Phosphate | Syrup 50mg/5ml, 66% W/V sugar Solution | 50 | 7 |
| 99 | Amoxicillin | Powder for oral suspension contain AmoxicillinTrihydrate, 125 mg/5ml, 90ml | 200 | 8* |
| 100 | Erythromycin | 200mg/5ml, granules for susp | 288 | 9 |
| 101 | Sulfamethoxazole + Trimethoprim* | Oral suspension Sulfamethoxazole 200mg+40mg/5ml, 50ml | 70 | 10* |
| 102 | Benzoyl benzoate | Lotion B.P 25% W/V, 60ml | 300 | 11 |
| 103 | Chlorpheniramine | Syrup, 2 mg/5ml ,120ml,66% W/V sugar Solution | 240 | 12 |
| 104 | Dextrose | Infusion 5% 500ml | 20 | 13 |
| 105 | Dextrose | Infusion 5% 1000ml | 20 | 14 |
| 106 | Ringer's Lactate | Injectable solution 500ml | 20 | 15 |
| 107 | Sodium chloride | Injectable soln. 0.9%isotonic1000ml | 20 | 16 |
| 108 | Ibuprofen | Syrup, 100mg/5ml, 90ml,66% W/V sugar Solution | 50 | 17* |
| 109 | Paracetamol | Syrup, 120 mg/5ml, 60ml,66% W/V sugar Solution | 300 | 18 |
| 110 | Dimenhydrinate | Syrup, 12.5mg/4ml, 60ml,66% W/V sugar Solution | 30 | 19 |

| | | | | |
|-----|----------------------------|---|-------|------|
| 111 | Metronidazole | Oral suspension, 200 mg (as Metronidazole benzoate)/5ml, 60ml | 100 | 20 |
| 112 | Salbutamol | Syrup, 2mg /5ml, 60ml,66% W/V sugar Solution | 40 | 21* |
| 113 | Insulin (Human) | Inj. 100iu (regular) | 5 | 22** |
| 114 | Insulin (Human) | Inj. 100iu (70/30) | 5 | 22** |
| 115 | Insulin (Human) | Inj. 100iu (NPH) | 5 | 22** |
| 116 | Syringes | 100 Units | 10 | 22 |
| 117 | Surgical Gauze (32 pieces) | 40M Thaan, 1mx40m | 5 | 23 |
| 118 | Carbamazepine | Oral suspension 100mg/5ml | 50 | 24 |
| 119 | Amoxicillin | Drops 125mg/1.25ml, 10ml | 240 | 25 |
| 120 | Paracetamol | 1000 mg oral tabs | 1,503 | 23 |

Logistics

Pre- Flood & Moon Soon Emergency Preparedness 2018 District Mianwali

| Name of Items | Quantity Required | Stock in Hand | Gap |
|----------------------------------|--------------------------|----------------------|------------|
| ARV @5 doses/pt | 1500 doses | 1000 doses | 500 doses |
| ASV @5 doses/pt | 500 doses | 300 doses | 200 doses |
| Aqua Tabs for Water purification | 100000 tabs | 61000 tabs | 39000 tabs |

**CONTINGENCY PLAN FOR FLOOD EMERGENCY FOR THE
YEAR, 2018 BY DHQ HOSPITAL MIANWALI.**

| | | |
|--|------------------------|------------------------|
| ADMINISTERATION | | |
| Dr. Ameer Ahmad Khan | Medical Superintendent | Cell. No. 0300-6699569 |
| OFFICE | | |
| Mr. Malik Rameez Khalid | Admin Officer | Cell. No. 0333-6096655 |
| Mr. Saleem Akhtar. | Office Superintendent | Cell No. 0300-6098938 |
| Mr. Waqas Niazi | Assist. Admin Officer | Cell No. 0332-6312157 |
| AMBULANCE X-68 AF | | |
| Mr. Naimat Ullah Khan | Driver. | Cell No. 0302-4734743 |
| With fully equipped medicines. | | |
| AMUBLANCE DRIVER STAND BY: | | |
| Mr. Waqas Saleem | Driver | Cell No. 0301-3951718 |
| FOLLOWING STAFF WILL BE ON CALL TO DEAL ANY EMERGENCY | | |
| SURGERY DEPARTMENT. | | |
| Dr. Sher Gul Khan | Surgeon | Cell No. 0333- 6827337 |
| Dr. Ghulam Hussnain Khan | SMO | Cell No. 0333- 6831512 |
| ORTHO: DEPARTMENT | | |
| Dr. Aziz Ur Rehman Khan | Orthopedic Surgeon | Cell No. 0300- 7763690 |
| MEDICINES DEPARTMENT | | |
| Dr. Sardar Khan Niazi | Physician | Cell No. 0300-6091978 |
| Dr. Abdul Raouf Khan | APMO | Cell No. 0300-6090184 |
| ENT DEPARTMENT | | |
| Dr. Asmat Ullah Khan | ENT Specialist. | Cell No. 0300- 6090107 |
| CARDIOLOGY DEPARTMENT | | |
| Dr. Riaz Ahmed Malik | Cardiologist | Cell. No. 0333-6832650 |
| ANESTHESIA DEPARTMENT | | |
| Dr. Zia Ur Rehman | Anesthetist | Cell No. 0300-6091961 |
| Dr. Awais Ur Rehman | Medical Officer | Cell No. 0346-5525155 |
| Dr. Muhammad Hassnian | Medical Officer | Cell No. 0333-6242525 |

| PAEDS DEPARTMENT | | |
|-------------------------|------------------|--------------------------|
| Dr. Khurshid Ahmed Khan | Child Specialist | Cell No. 0459-920129-126 |
| Dr. Muhammad Zubair | -do- | Cell No. 0333-4331620 |

| RADIOLOGY DEPARTMENT | | |
|---------------------------------|-------------------------------|-----------------------|
| Dr. Hafiz Bashir | Radiologist | Cell No.0300-6096211 |
| Dr. Sadaf Akbar | Technologist | |
| PATHOLOGY AND BLOOD BANK | | |
| Dr. Muhammad Shoukat Zaman | Pathologist. | Cell No. 0333-42223 |
| NURSE STAFF | | |
| Shaheen Akhtar | Charge Nurse | Cell No. 0340-8521281 |
| Shahista Gul | Charge Nurse | Cell No. 0337-1628124 |
| Robina Kouser | Charge Nurse | Cell No. 0302-7260497 |
| SUPEVISORS | | |
| Miss. Nusrat Zahra, | Deputy Nursing Superintendent | Cell No. 0311-7855366 |
| Mr. Muhammad Aftab | Dispenser | Cell No. 0301-5835735 |
| Mr. Muhammad Ramzan | Supervisor | Cell No. 0300-6095787 |

NOTE:-

- Mst. Salma Aamir, Pharmacist will be the FOCAL PERSON at Emergency for provision and arrangement of Medicines at trauma Centre and will ensure ARV/ASV/ORS etc.
- Dr. Ahsan Ul Haq, SMO DMS (Stores) will be FOCAL PERSON at Emergency.
- A Special Ward of 10 beds will be arranged can be provided additional bed as per rules.
- 30 Bags for blood available for Emergency purpose.



FLOOD MANAGEMENT PLAN 2018

RESCUE 1122 MIANWALI

LIST OF RESOURCES AND RESCUE VEHICLES

| | |
|--|-------------------------------|
| NO. OF RESCUERS | 183 |
| AMBULANCES | 21 (Fully medically equipped) |
| FIRE VEHICLES | 03 |
| RESCUE VEHICLES(fully equipped specialized vehicles) | 02 |
| GENERAL DUTY VEHICLES | 01 |

DETAIL OF RESCUE AND FLOOD RELIEF EQUIPMENT

| Sr | Name of Items | Date of Procurement | Functional |
|----|--------------------|-----------------------------|------------|
| 1 | FIBER BOAT 19 Feet | 21-6-2011(02 Civil Defence) | Functional |
| 2 | FIBER BOAT 19 Feet | 1-5-2012(04 PDMA) | Functional |
| 3 | FIBER BOAT 19 Feet | 5-7-2016(04 PDMA) | Functional |
| 4 | FIBER BOAT 24 Feet | 15-6-2017(05 PDMA) | Functional |
| 5 | INFLATABLE BOAT | 9-6-2017(03 PDMA) | Functional |
| 6 | OBM 15 & 40 Hp | 21-6-2011(02 Civil Defence) | Functional |
| 7 | OBM 25 Hp | 1-5-2012(04 PDMA) | Functional |
| 8 | OBM 40 Hp | 5-7-2016(04 PDMA) | Functional |
| 9 | OBM 40 Hp | 9-6-2017(03 PDMA) | Functional |
| 10 | OBM 60 Hp | 15-6-2017(05 PDMA) | Functional |
| 11 | OAR,s | 21-6-2011(01 Civil Defence) | Functional |

| | | | |
|----|-------------------------|-----------------------------|------------|
| 12 | OAR,s | 1-5-2012(12 PDMA) | Functional |
| 13 | OAR,s | 5-7-2016(08 PDMA) | Functional |
| 14 | OAR,s | 15-6-2017(20 PDMA) | Functional |
| 15 | LIFE JACKET,S | 1-8-2010(12 PES(HQ)) | Functional |
| 16 | LIFE JACKET,S | 21-6-2011(23 Civil Defence) | Functional |
| 17 | LIFE JACKET,S | 27-7-2015(100 PDMA) | Functional |
| 18 | LIFE JACKET,S | 15-6-2017(25 PDMA) | Functional |
| 19 | LIFE JACKET,S(Child) | 14-7-2017 (36 PES(HQ)) | Functional |
| 20 | LIFE RING | 21-6-2011(05 Civil Defence) | Functional |
| 21 | LIFE RING | 27-07-2015(25 PDMA) | Functional |
| 22 | LIFE RING | 15-6-2017(15 PDMA) | Functional |
| 23 | TENT | 21-6-2011(22 Civil Defence) | Functional |
| 24 | TENT | 15-6-2017(22 PDMA) | Functional |
| 25 | PLASTIC MAT | 15-6-2017(22 PDMA) | Functional |
| 26 | BOAT CARRYING TROLY | 4-5-2017(01 PES(HQ)) | Functional |
| 27 | DE WATRING SET(2 CUSIC) | 15-06-2017(04 PDMA) | Functional |
| 28 | DE WATRING SET(4 CUSIC) | 15-06-2017(01 PDMA) | Functional |
| 29 | GENERATOR (5 KV YAMAHA) | 14-7-2017(01 PES(HQ)) | Functional |

List of machinery and equipment available in Rescue 1122

| # | DESCRIPTION | QUANTITY | STATUS Working/not working |
|----------|---------------------|-----------------|---------------------------------------|
| 01 | Angular grinder | 01 No | Working |
| 02 | Chipping hammer | 01 No | Working |
| 03 | Rotary hammer drill | 01 No | Working |
| 04 | Reciprocating saw | 01 No | Working |
| 05 | Portable generator | 01 No | Working |
| 06 | Diesel Generator | 01 No | Working |
| 07 | Bolt cutter | 02 No | Working |
| 08 | D-rings | 08 No | Working |
| 09 | Figure of eight | 08 No | Working |
| 10 | Hammer | 04 No | Working |
| 11 | Shovels | 04 No | Working |
| 12 | Kahi | 04 No | Working |
| 13 | Axe | 06 No | Working |
| 14 | Chisel | 04 No | Working |
| 15 | Belt Cutter | 02 No. | Working |

| | | | |
|----|------------------------|-------|---------|
| 16 | Seat harness | 01 No | Working |
| 17 | Full body harness | 02 No | Working |
| 18 | Safety harness | 01 No | Working |
| 19 | Repelling rope | 02 No | Working |
| 20 | Air plug | 06 No | Working |
| 21 | Torch head | 05 No | Working |
| 22 | Search torch | 08 No | Working |
| 23 | Fireman axe | 04 No | Working |
| 24 | Electric glove | 04 No | Working |
| 25 | Goggles | 06 No | Working |
| 26 | Rain suite | 20 No | Working |
| 27 | Helmet | 06 No | Working |
| 28 | Water Boat with Engine | 10 No | Working |

FLOOD PRONE(MOST VULNERABLE)AREAS IN THE DISTRICT MIANWLI

1.MOCHH KACHA

1.DHOP SARRI 2.RUSTAM WALA 3.HINDAL WALA 4.SULTAN WALA 5.MUHAMMAD SHAREEF WALI

2.TARI KHAIL KACHA

1.SHEIKHAIN WALA 2.TALIYAN WALA

3.ROKHARI KACHA

1.MUHAMMAD KAZIYAN WALA 2.SONAY KHAILAN WALA 3.CHAK DOSEHARI

4.PAI KHAIL KACHHA+DAUD KHAIL KACHHA

1.SHAMI WALA 2.MUQRAB WALA 3.GANDA

5.TEHSIL PIPLAN

1.ALOO WALI 2.MOZA DHINGANA 3.MOSI WALI 4.WINOTA

6.NAMAL LAKE

1.RHEKI 2.BAN HAFIZ JI 3.NAMAL COLLEGE 4.NAMAL COLLEGE HOSTEL

7.TEHSIL ESSA KHAIL

1.Dra tang 2.Armtay Wala 3.Sheikhabad 4.Sheikh mehmoood Wala 5.Chor Wala 6.Gidraan Wala 7.khaglaan Wala 8.Kukraan Wala 8.Noorullah 9.Qaziyan Wala 10.Adil Shah Wala 11.Chowk Sarkar 12.Misri 13.Kaluwan Wala 13.Dhala Azmat Khan Wala 14.Dhuliyian Wala 15.Wasu Wala

ESTABLISHMENT OF WATER RESCUE TEAMS

TEAMS OF SWIMMERS HAVE BEEN CONSTITUTED NAMELY TEAM A, TEAM B AND TEAM C. THE TEAMS ARE ALSO CARRYING OUT THEIR PRACTICES UNDER THE SUPERVISION OF DISTRICT

EMERGENCY OFFICER, MIANWALI.

Teams in charge: NAIMAT ULLAH (LFR) 0300-6092216

WATER RESCUE TEAM "A"

| # | NAME | DESIGNATION | CONTACT NO |
|---|---------------|-------------|--------------|
| 1 | SARDAR HASSAN | DR | 0343-7831553 |
| 2 | AKHTER KHAN | DR | 0345-5713171 |
| 3 | M. SALEEM | DR | 0301-4703489 |
| 4 | INAYATULLAH | LTV | 0303-4912758 |
| 5 | NADEEMAKHTAR | LTV | 0301-5855638 |

WATER RESCUE TEAM “B”

| # | NAME | DESIGNATION | CONTACT NO |
|----|------------------|-------------|--------------|
| 01 | SAMI ULLAH KHAN | DR | 0333-6211122 |
| 02 | M. ZAHID KHAN | FR | 0333-6820110 |
| 03 | NOOR HUSSAIN | DR | 0343-5949947 |
| 04 | M. JAVED IQBAL | FR | 0306-6353287 |
| 05 | GULZAR AHMAD | FR | 0346-5540975 |
| 06 | KALEEMULLAH KHAN | LTV | 0322-9780673 |
| 07 | MUHAMMAD MUMTAZ | LTV | 0303-7994411 |

WATER RESCUE TEAM “C”

| | | | |
|----|------------------|-------|--------------|
| 01 | SADAT ULLAH KHAN | LFR | 0333-9831122 |
| 02 | JAVID IQBAL | FR | 0306-6754332 |
| 03 | ASIF KHAN | DR | 0301-6729751 |
| 04 | M. AADIL | A/LFR | 0333-3896828 |
| 05 | FAROOQ KHAN | FR | 0333-6821551 |
| 06 | TARIQ AZIZ | LTV | 0301-3666593 |
| 07 | SHRAFATULLAH | LTV | 0344-7990575 |

RESCUE 1122, MIANWALI CONTACT NUMBERS #

| | DESCRIPTION | NUMBER | REMARKS |
|----|-----------------------------------|--------------------|--------------|
| 01 | District Emergency Officer Office | 0459-920257,381075 | -- |
| 02 | Control Room Mianwali | 0459-920260 | -- |
| 03 | Emergency Toll Free No. 1122 | 0459-920256 | Back end No. |
| 04 | Emergency Toll Free No. 1122 | 0459-920258 | Back end No. |
| 05 | Emergency Toll Free No. 1122 | 0459-920259 | Back end No. |

FLOOD CONTINGENCY PLAN
CIVIL DEFENCE OFFICE MIANWALI – 2018

Duties of Civil Defence Razakars

The Civil Defence Razakars of Mianwali District shall be utilized for following duties during/post flood as per the ground requirements by the District administration Mianwali.

1. Collection/packing and distribution of flood and relief goods for flood activities.
2. Duty at relief camps to assist District administration.
3. Any other duty assigned by Deputy Commissioner/Controller Civil Defence Mianwali or by the Director Civil Defence Punjab.

The following volunteers of Civil Defence Organization Mianwali shall perform above mentioned duties.

| Sr. # | Name of Razakar & Father's Name. |
|--------------|---|
| 1 | Syed Muhammad Jamshaid Khalid Kazmi S/O Ghos Muhammad Kazmi, Commander of Civil Defence Volunteers. |
| 2 | Muhammad Zaka Ullah S/O Muhammad Sharief |
| 3 | Muhammad Shafa Ullah S/O Muhammad Sharief |
| 4 | Syed Muhammad Kashif Ghous Kazmi S/O Syed M. Jamshaid Khalid Kazmi |
| 5 | Muhammad Ameer Umar Daraz Khan S/O Muhammad Rafiq Khan |
| 6 | Syed Muhammad Atif Hussain Kazmi S/O Syed M. Jamshaid Khalid Kazmi |
| 7 | Amir Iqbal S/O Noor Muhammad |
| 8 | Rizwan Abbas Shah S/O Irshad Hussian Shah |
| 9 | Yasir Iqbal S/O Fateh Muhammad |
| 10 | Umar Khatab S/O Ghulam Rasool |
| 11 | Rehan Abbas Shah S/O Irshad Hussain Shah |
| 12 | Muhammad Aslam Khan S/O Abi Zar Khan |
| 13 | Naeem Akhtar S/O Ghulam Ahmad |
| 14 | Habib Ullah S/O Sardar Bakhsh |
| 15 | Muhammad Qaiser Shehzad S/O Muhammad Ashraf |
| 16 | Javaid Abbas Shah S/O Syed Khadim Hussain Shah |
| 17 | Nasir Abbas Shah S/O Muhammad Javaid Shah |
| 18 | Ghulam Naseer-ud-Din Shah S/O Gulam Moin-ud-Din Shah |
| 19 | Syed Kamran Feroz Kazmi S/O Muhammad Feroz Iqbal Shah |
| 20 | Qaiser Abbas Shah S/O Ijaz Hussain Shah |

LIST OF SECRETARY WITH MOBILE NOS. DISTRICT MIANWALI .

| SR. # | Name of Officers/ Official with BPS | Designation | Parent Department | TO UC No. & Name (2015) | Mobile No. |
|-------|---|----------------|--|-----------------------------|--------------|
| | Tehsil Isa Khel | | | | |
| 1. | Zafar Ullah Khan BPS-7 | Secretary CD | LG | Khaglanwala No. 01 | 0302-5584088 |
| 2. | Manzoor Ahmed BPS-14 | Secretary (MS) | C.O Unit Isa Khel | Khaglanwala No. 01 | 0303-7964499 |
| 3. | Fazal Elahi BPS 11 | Secretary CD | C.O Unit Isa Khel | Kaluan Wala No. 02 | 0301-7802007 |
| 4. | Abdul Rasheed Khan BS-7 | Secretary (MS) | LG | Kaluan Wala No. 02 | 0300-6086311 |
| 5. | Zahoor Ahmed BPS-7 | Secretary CD | LG | Kallur No. 3 | 0300-6081686 |
| 6. | Muhammad Lateef BPS 11 | Secretary (MS) | C.O Unit Kalabagh | Kallur No. 3 | 0344-6880651 |
| 7. | Abdul Qayyum Khan BS-11 | Secretary (MS) | Wan Bhachran-I at Pacca Ganjera No. 37 | Sultan Khel No. 04 | 0301-7151848 |
| 8. | Muhammad Akbar Khan BPS 11 | Secretary CD | LG | Trag No. 05 | 0345-5832014 |
| 9. | Abdul Sattar BS-7 | Secretary (MS) | LG | Trag No. 05 | - |
| 10. | Rafi Ullah Khan BS- 11 | Secretary CD | C.O Unit Kammar Mushani | Kammar Mushani Pacca No. 06 | 0301-7806033 |
| 11. | Gul Jaan | Secretary (MS) | C.O Unit Kammar Mushani | Vanjari No. 07 | 0306-5427865 |
| 12. | M.Shabbir Khan BPS-11 | Secretary (MS) | ZC Mianwali | Vanjari No. 07 | 0301-7801019 |
| 13. | Mumtaz Khan BPS 11 | Secretary CD | C.O Unit Kammar Mushani | Tani Khel No. 08 | 0300-6087886 |
| 14. | Rafi Ullah Khan BPS 11 | Secretary (MS) | C.O Unit Kammar Mushani | Tani Khel No. 08 | 0302-3967508 |
| 15. | Ghulam Habib Khan BS 14 | Secretary (MS) | C.O Unit Kammar Mushani | Chapri No. 09 | 0300-6458275 |
| 16. | Hafiz Mehr Muhammad BPS 14 | Secretary (MS) | C.O Unit Kammar Mushani | Manda Khel No. 10 | 0301-5352918 |
| 17. | Ghulam Mustafa BPS 7 | Secretary CD | LG | Manda Khel No. 10 | 0345-7980725 |
| 18. | Muhammad Basheer Khan s/o Allah Dad Khan BPS-11 | Secretary CD | C.O Unit Daud Khel | Kot Chandna No. 11 | 0301-7804965 |
| 19. | Muhammad Akram Khan BPS 11 | Secretary (MS) | C.O Unit Kammar Mushani | Kot Chandna No. 11 | - |
| 20. | Javid Raza Khatak Roz Mir Khan BPS 7 | Secretary CD | LG | Tola Bhangi Khel No. 12 | 0347-7575576 |
| 21. | Muhammad Ismail Karam Din BPS 11 | Secretary CD | C.O Unit Kalabagh | Tabi Sar No. 13 | 0333-9830652 |

| | | | | | |
|-----|--------------------------------|----------------|-----------------------|--|--------------|
| 22. | Muhammad Irfan Shah BPS 7 | Secretary (MS) | C.O Unit Kalabagh | Tabi Sar No. 13 | 0333-9830959 |
| | Tehsil Mianwali | | | | |
| 23. | Zaka Ullah Khan BPS 11 | Secretary CD | LG | Watta Khel No. 14 | 0303-7525505 |
| 24. | Mian Riaz Ahmed BPS 11 | Secretary (MS) | MC Mianwali | Watta Khel No. 14 | 0306-3958006 |
| 25. | Gul Muhammad BPS 11 | Secretary CD | LG | Yaru Khel No. 15 | 0333-6831297 |
| 26. | Hadayat Ullah Khan BPS 11 | Secretary (MS) | MC Mianwali | Yaru Khel No. 15 | 0342-6889892 |
| 27. | Sadaqat Hussain Shah BS 11 | Secretary CD | MC Mianwali | Shahbaz Khel No. 16 | 0300-6082528 |
| 28. | Fazal ur Rehman Khan BPS-11 | Secretary (MS) | MC Mianwali | Shahbaz Khel No. 16 | 0300-6083607 |
| 29. | Abdul Hameed Khan BS- 7 | Secretary CD | LG | Rokhri No. 17 | 0300-6081675 |
| 30. | Lal Khan BPS-11 | Secretary CD | ZC Mianwali | Qureshian No. 18 | 0301-6351686 |
| 31. | Imran Hussain Shah BPS-7 | Secretary (MS) | LG | Qureshian No. 18 | 0300-6081382 |
| 32. | Muhammad Akram BPS 7 | Secretary (MS) | LG | Mochh No. 19 | 0310-7070457 |
| 33. | Zafar Iqbal BPS-11 | Secretary CD | ZC Mianwali | Dhair Umaid Ali Shah No. 20 | 0301-3952100 |
| 34. | Malik Rab Nawaz BPS-11 | Secretary (MS) | C.O Unit Daud Khel | Dhair Umaid Ali Shah No. 20 | - |
| 35. | Hikmat Ullah khan BPS-11 | Secretary (MS) | MC Kalabagh | Daud Khel Rural at Paki Shah Mardan No. 21 | 0302-6355003 |
| 36. | Muhammad Taqi Shah BPS-11 | Secretary (MS) | ZC Mianwali | Daud Khel Rural at Paki Shah Mardan No. 21 | 0302-6350100 |
| 37. | Amjid Hussain Shah, BS-11 | Secretary CD | LG | Mari No. 22 | 0301-3954800 |
| 38. | Obaid Ullah Khan BPS-11 | Secretary (MS) | C.O Unit Daud Khel | Mari No. 22 | - |
| 39. | Atta Muhammad BPS-11 | Secretary CD | LG | Chakrala No. 23 | 0306-3962694 |
| 40. | Amir Ahmed Qureshi BS-11 | Secretary (MS) | MC Mianwali | Chakrala No. 23 | - |
| 41. | Fiaz Hussain Shah BPS-11 | Secretary (MS) | MC Mianwali | Thammey Wali No. 24 | - |
| 42. | Taj Muhammad BPS-11 | Secretary CD | ZC Mianwali | Ban Hafiz Jee No. 25 | 0344-4634430 |
| 43. | Muhammad Maqsood BS-7 | Secretary CD | LG | Namal No. 26 | 0301-6356353 |
| 44. | Nasrullah Khan BPS-11 | Secretary (MS) | C.O Unit Daud Khel | Namal No. 26 | 0306-6357918 |
| 45. | Shahid Hameed Khan BS-11 | Secretary CD | LG | Pai Khel No. 27 | |
| 46. | Gul Azeem Khan BPS-11 | Secretary CD | LG | Swans No. 28 | 0301-3958943 |
| 47. | Tahir Mehmood Shah BS- 7 | Secretary (MS) | LG | Swans No. 28 | - |
| 48. | Rana Khalid Shahbir, BPS-11 | Secretary CD | ZC Mianwali | Ghundi No. 29 | 0343-4466415 |

| | | | | | |
|-----|---|----------------|-------------------------|---|--------------|
| 49. | Hadayat Ullah Malik BS-11 | Secretary CD | MC Mianwali | Musa Khel-I No. 30 | 0300-6082208 |
| 50. | Inam Ullah Khan BPS- 7 | Secretary (MS) | LG | Musa Khel-I No. 30 | 0300-8609904 |
| 51. | Zafar Ullah Khan BPS-11 | Secretary (MS) | ZC Mianwali | Musa Khel-II No. 31 | - |
| 52. | Ahmed BPS-11 | Secretary (MS) | MC Mianwali | Musa Khel-II No. 31 | 0333-6820635 |
| 53. | Said Rasool, BPS-11 | Secretary CD | LG | Chhidru No. 32 | 0346-5790701 |
| 54. | Abdul Sattar, Khan, BPS-11 | Secretary (MS) | MC Mianwali | Chhidru No. 32 | 0301-6760029 |
| 55. | Shahbir Hussain Shah, BPS-11 | Secretary CD | MC Mianwali | Abba Khel No. 33 | 0334-7933105 |
| 56. | Haji Muhammad Saddique BPS-11 | Secretary CD | MC Mianwali | Gulmiri No. 34 | - |
| 57. | Muhammad Masood Khan s/o Ghulam Muhammad Khan, BPS-11 | Secretary (MS) | ZC Mianwali | Gulmiri No. 34 | 0300-6092475 |
| 58. | Mian Nisar Ahmed BPS-11 | Secretary CD | MC Mianwali | Muzaffar Pur Shumali at Chak Meris No. 35 | 0303-6222595 |
| 59. | Muhammad Jafar BPS-11 | Secretary (MS) | ZC Mianwali | Muzaffar Pur Shumali at Chak Meris No. 35 | 0302-3993522 |
| 60. | Muhammad Iftikhar BPS-11 | Secretary CD | LG | Muzaffar PUr Janubi No. 36 | 0313-7207172 |
| 61. | Arif Hameed Khan BPS-11 | Secretary (MS) | MC Mianwali | Muzaffar PUr Janubi No. 36 | 0306-6355347 |
| 62. | Muhammad Nawaz, BS-11 | Secretary CD | LG | Wan Bhachran-I at Pacca Ganjera No. 37 | 0300-6088186 |
| 63. | Mian Ayaz Ahmed BPS-11 | Secretary CD | MC Mianwali | Wan Bhachran-II No. 38 | 0344-6880025 |
| 64. | Hameed Ullah Khan BPS 14 | Secretary (MS) | C.O Unit Kammar Mushani | Wan Bhachran-II No. 38 | 0307-5510134 |
| 65. | Muhammad Hayat BPS-7 | Secretary CD | LG | Shadia No. 39 | 0301-7809476 |
| | Tehsil Piplan | | | | |
| 66. | Ghulam Jaffar BPS- 11 | Secretary CD | ZC Mianwali | Kacha Gujrat No. 40 | 0344-6878330 |
| 67. | Muhammad Umar BPS 14 | Secretary (MS) | C.O Unit Hernoli | Kacha Gujrat No. 40 | 03017807348 |
| 68. | Ameer Nawab BPS-11 | Secretary CD | LG | Doabba No. 41 | 0345-7291711 |
| 69. | Rana Abdul Sattar BPS-11 | Secretary (MS) | ZC Mianwali | Doabba No. 41 | 0301-7070953 |
| 70. | Muhammad Asghar BPS-11 | Secretary CD | ZC Mianwali | Alluwali No. 42 | 0346-5538581 |
| 71. | Muhammad Javid Akhtar , BPS-11 | Secretary (MS) | ZC Mianwali | Alluwali No. 42 | 0346-3025685 |
| 72. | Javid Iqbal BPS-11 | Secretary CD | C.O Unit Kundian | Khola No. 43 | 0333-6834523 |
| 73. | Tariq Ismial BPS-11 | Secretary (MS) | C.O Unit Kundian | Khola No. 43 | 0301-3954719 |
| 74. | Habib Ullah Khan BPS-11 | Secretary CD | LG | Kundian Rural No. 44 | 0331-7221571 |
| 75. | Ghulam Jailini BPS-11 | Secretary (MS) | ZC Mianwali | Kundian Rural No. 44 | 0306-7813964 |
| 76. | Ghulam Abbass BPS-11 | Secretary CD | ZC Mianwali | Hernoli Urban No. 45 | 0302-3955886 |
| 77. | Azmat Ullah BPS-11 | Secretary (MS) | ZC Mianwali | Hernoli Rural No. 45 | 0301-7807349 |

| | | | | | |
|-----|-----------------------------|----------------|------------------|--------------------------------------|--------------|
| 78. | Taj Muhammad Khan BPS-11 | Secretary CD | ZC Mianwali | Hernoli Rural No. 46 | 0343-6641543 |
| 79. | Muhammad Amir BPS- 7 | Secretary CD | LG | Vichveen Bala No. 47 | 0303-7497916 |
| 80. | Muhammad Mehboob BPS-11 | Secretary (MS) | ZC Mianwali | Vichveen Bala No. 47 | 0301-6359712 |
| 81. | Muhammad Ramzan, BS-11 | Secretary CD | ZC Mianwali | Chak No. 7ML at Hafiz Wala No. 48 | - |
| 82. | Saleem Akhtar BPS-11 | Secretary (MS) | ZC Mianwali | Chak No. 7ML at Hafiz Wala No. 48 | 0306-7806786 |
| 83. | Shafa Ullah BPS-11 | Secretary (MS) | C.O Unit Hernoli | Dabb Blochan No. 49 | 0302-7975186 |
| 84. | Muhammad Iqbal BPS- 7 | Secretary CD | LG | Tibba Mehrban Shah No. 50 | 0301-7802610 |
| 85. | Fateh Sher Khan BPS-11 | Secretary (MS) | C.O Unit Piplan | Tibba Mehrban Shah No. 50 | 0303-7499179 |
| 86. | Muhammad ZaheerBPS-11 | Secretary CD | C.O Unit Kundian | Chak No. 4-DB No. 51 | 0301-7805253 |
| 87. | Javid Iqbal BPS-11 | Secretary (MS) | C.O Unit Kundian | Chak No. 4-DB No. 51 | 0302-4254039 |

**CONSOLIDATE LIST OF TELEPHONE
NUMBERS OF THE DIFFERENT
DEPARTMENTS OF THE DISTRICT**

IMPORTANT TELEPHONE NUMBERS DISTRICT OFFICES

| Sr. No | Name | Office | Resident | Fax/Mobile Number |
|---------------|--|----------------------------|-----------------|--------------------------|
| 1. | Deputy Commissioner, Mianwali | 234300-231595 | 232555 | 234895 03040920076 |
| 2. | District Police Officer, Mianwali | 920092,232704 | 920268 | 920030 |
| 3. | Additional Deputy Commissioner (Revenue) Mianwali | 235005 | 235885 | 920149 |
| 4. | Additional Deputy Commissioner (General) Mianwali | 234861 | -- | -- |
| 5 | Assistant Commissioner Mianwali | 920249 | 232759 | - |
| 6 | Assistant Commissioner Piplan | 201233 | 201433 | - |
| 7 | Assistant Commissioner Isa Khel | 285111 | 285015 | - |
| 8 | Executive Engineer WAPDA Mianwali | 920031 | 920032 | - |
| 9 | ADLG & CD, Mianwali | 920214 | - | - |
| 10 | CEO (Health) Mianwali | 920133 | 232201 | - |
| 11 | MS DHQ Hospital, Mianwali | 920222,232888 | 236236 | - |
| 12 | Chief Officer, District Council Mianwali | 920165-66 | -- | - |
| 13 | Chief Officer, M.C Mianwali | 234659 | -- | 230869 |
| 14 | Chief Officer, M.C Piplan | 201890 | -- | 201981 |
| 15 | Chief Officer, M.C Isakhel | 285005 | | |
| 16 | Emergency DHQ Hospital, Mianwali | 920148 | - | - |
| 17 | PD Chashma | 241289 | 241289 | - |
| 18 | District Incharge Flood Relief and Protection Cell, Mianwali | 920152 | - | - |
| 19 | District Emergency Officer Mianwali | 1122,920257 | - | - |
| 20 | Assistant Agricultural Engineer, Mianwali | 920200 | - | - |
| 21 | D.H.O. Mianwali. | 920138 | - | - |
| 22 | District Food Controller, Mianwali | 920169 | - | - |
| 23 | Sub Divisional officer, Telephone. | 232260 | - | - |
| 24 | D.O Civil Defence Mianwali | 0459 /920019 | | |
| 25 | Flood Emergency of D.C.Office | 0459/230360 0459/920152 | 0459/232555 | |

EMERGENCY TELEPHONE NUMBERS IRRIGATION DEPTT.

| S.# | Name of post/Designation | Station/ Headquarter | Telephone No | | |
|-----------------------------|--|-------------------------|------------------------------|----------------|-------------------|
| | | | Office | Residence | Mobile |
| <u>LAHORE</u> | | | | | |
| 1 | Flood warning Center | Lahore | 042/3752091-93 | - | |
| 2 | Deputy Secretary (Op) | Lahore | 042/99212126 | - | |
| 3 | Secretary Irrigation Department | Lahore | 042/99212117-18 | -- | |
| 4 | Chief Engineer, Drainage & Flood. | Lahore | 042/99230602 | 042/35900049 | |
| 5 | Director Flood. | Lahore | 042/99231614 | 042/36653943 | |
| 6 | Deputy Director Flood. | Lahore | 042/35880700 | 042/99230282 | |
| 7 | Telegraph Office | Lahore | 042/99212166 | - | |
| 8 | Director Regulation. | Lahore | 042/99212147 | - | |
| <u>SARGODHA</u> | | | | | |
| 1 | Chief Engineer, Irrigation Zone, | Sargodha | 048/9230445 | 048/9230451 | |
| 2 | Flood emergency office | Sargodha | 048/9230456 | - | |
| 3 | Executive Engineer Operation Irrigation | Sargodha | 048/9230446 | 048-9230003 | --- |
| <u>MIANWALI</u> | | | | | |
| 1 | Superintending Engineer, Thal Circle | Mianwali. | 0459/920181 | 0459/920183 | |
| 2 | Executive Engineer, Kalabagh | Daudkhel | 0459/388036 0459/395585 | 0459/3813856 | 0306- 1273922 |
| 3 | Executive Engineer, Mianwali | Mianwali | 0459/920137 | 0459/920154 | 0300- 4242838 |
| 4 | Sub Divisional Officer, Dullewala | Mianwali | 0459/920137 | - | 0300- 6737872 |
| 5 | Sub Divisional Officer, Kundian | Kundian | 0459/242544 | - | 0301-- 6765383 |
| 6 | Project Director Chashma Barrage | Chashma Barrage | 0459 /923285 0459/241473 | 0459 /923285 | |
| 7 | Canal Telephone Officer | Mianwali. | 0459 /920130 | - | |
| 8 | District Flood Controller. | Mianwali. | 0459 /233641 | - | |
| 9 | Sub Divisional officer, Telephone. | Mianwali. | 0459 /232260 0459 /920000 | 0459/920000-18 | |
| <u>Miscellaneous</u> | | | | | |
| 1 | Executive Engineer Bhakkar | Bhakkar | 0453/920016 | - | -- |
| 2 | Executive Engineer Layyah | Layyah | 0606/412435 | - | -- |
| 3 | SDO, Headworks | Daudkhel | 0459/388036 | - | 0334- 6316879 |

**EMERGENCY TELEPHONE NUMBERS LIVESTOCK DEPARTMENT
MIANWALI DURING FLOOD CAMPAIGN.**

| Designation | Telephone Numbers. | |
|--|---------------------------|-----------------|
| | Office | Cell No. |
| Additional Director Livestock, Mianwali. | 0459-920135 | 0300-6042880 |
| Deputy Director Livestock Isahel. | 0459-397388 | 0333-9927131 |
| Deputy Director Livestock Mianwali. | 0459-920136 | 0342-4236708 |
| Deputy Director Livestock Piplan. | 0459-201097 | 0346-5791269 |
| Assistant Disease Investigation Officer, District Diagnostic Laboratory, Mianwali. | 0459-920027 | 0333-4756571 |
| Wireless Control. | 0459-230003 | - |