# GOVERNMENT OF THE PUNJAB

***IRRIGATION DEPARTMENT***
***SARGODHA IRRIGATION ZONE***
***SARGODHA.***

# DRAFT FLOOD FIGHTING PLAN 2026

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# FLOOD FIGHTING PLAN 2026.

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# FLOOD FIGHTING PLAN- 2026.

## PART – A

### *Chapter-1*

### *Salient feature of the Sargodha Canal Division Sargodha.*

### *1.1 Location*

Sargodha Canal Division Sargodha comprises part of Lower Jhelum Canal (LJC) which off takes from the left bank of the River Jhelum at Rasul barrage. The boundaries of the division starts from D/S Meter Flume RD: 170+000 Northern Branch near Ludewala Canal Rest House District Sargodha and extends upto RD 154+330 tail Masson Disty in District Jhang. 02 No. Branch Canals run in the jurisdiction of this Division with following details:-

1. Northern Branch D/S RD 170+000 discharge 900 cs
2. Sulki Branch discharge 480 cs.

There are two Canal Sub Divisions on Northern Branch canal system i.e. Ara Canal Sub Division at Sargodha and Shahjewana Canal Sub Division at Ramdana Canal Rest House (near Sillanwali Town) and one No. Canal Sub Division is on Sulki Branch Canal System Head Quarter at Sultanpur Canal Rest House.

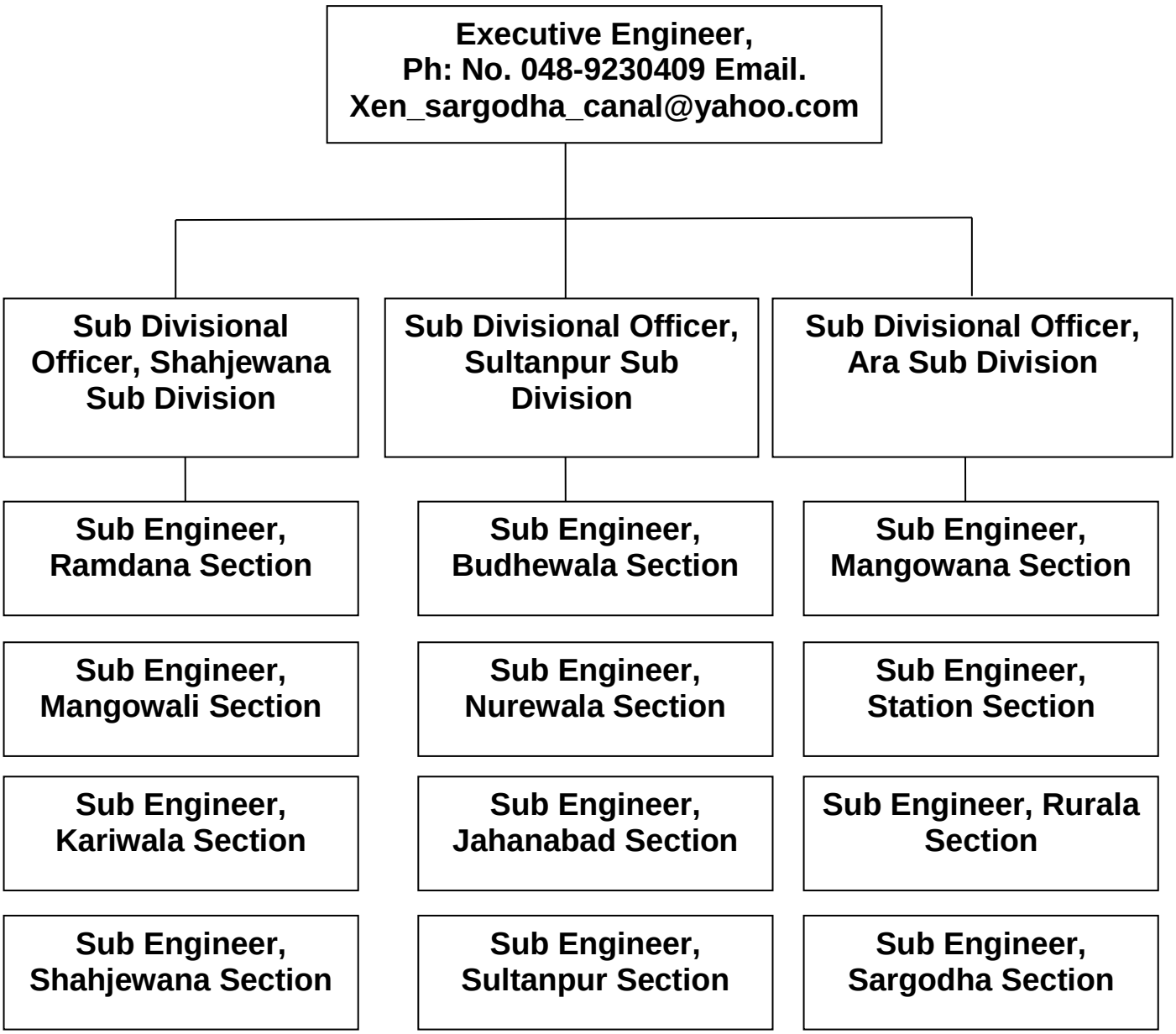
These three Canal Sub Divisions are under the control of Sargodha Canal Division Sargodha headed by the Executive Engineer.

### *1.2 General Description*

The Lower Jhelum Canal off-takes from the left flank of the River Jhelum at Rasul Barrage and commands the area by gravity flow in Chaj Doab i.e. (Between the boundaries of the River Jhelum and the River Chenab) which includes the major part of the Districts Sargodha and Jhang and a minor part of District Chiniot. The Main Lower Jhelum Canal flows parallel to the River Jhelum for about 20 miles, but with a gradient less than that of the River, till it attains elevation enough to command the lands by gravitation flow. It bifurcates at Faqirian Regulator at RD 196+830 tail LJC into the Northern and Southern Branches. Operation of the Northern Branch upto RD 170+000iswith the Rasul Canal Division, Rasul. At RD 170+000 it is further divided. On the left is the continuation of the Northern Branch Canal which extends down to the lower end of the Doab, and on the right is the Sulki Branch Canal running parallel the River Jhelum.

### *1.3 Administration*

Administrative setup plan of Sargodha Canal Division is attached at page 2.



# *Chapter-2*

# *Flood Protection and River Training Works*

## *2.1 Design parameter of Training Works*

**I- FLOOD EMBANKMENTS.**

a) Masson Flood Bund RD: 0 – 66+800 (13.38 Mile)
along Masson Disty: RD (87+500) – (154+300) Tail.

b) Embankment along Sahiwal Disty RD: 58- 68+250/R (2.05 Mile) (for protection of Sahiwal Town).

**II- RIVER TRAINING WORKS.**

**a) J- Head Spur No. 1 at RD: 16+500 Masson Flood Bund (RD 0-10+385).**

**b) J- Head Spur No. 2 at RD: 35+200 Masson Flood Bund (RD 0-1+000).**

**c). Inverted hockey at RD 28+500 of Masson Flood Bund.**

**d) Sloppy Stud at RD 31+500 of Masson flood Bund.**

**III- DESIGN PARA METERS.**

**i. Flood Embankments.**

| Description | Masson Flood Bund | Flood embankment along Sahiwal Disty |
|---|---|---|
| Length | 13.36 Mile (66800 Ft) | 2.05 Mile (10250 Ft) |
| Top width | 25 Ft | 10 Ft |
| Side Slope | 2:1( country side)& 3:1(River side) | 1.5:1(Both sides) |
| Free board | 6.00 ft above H.F.L. 1973 | 2.00 ft above H.F.L. 1997 |

**ii. J - Head Spurs**

| | Parameters | J-Head Spur No. 1 at RD: 16+500 | J-Head Spur No. 2 at TD: 35+200 |
|---|---|---|---|
| 1. | Shank Length | 2.08 Mile (10385 Ft) | 0.20 Mile (1000 Ft) |
| 2. | Top Width | 30 Ft | 30 Ft |
| 3. | Side slopes | 2:1 on both sides | U/S 3:1 &D/S 2:1 |
| 4. | Free Board | 6 ft above H.F.L of 1973 | 6 ft above H.F.L of 1973 |
| 5. | Stone Apron Size | 420 Cft./Ft run (70 x 6) | 420 Cft./Ft run (70 x 6) |
| 6. | Stone pitching thickness | 3.25 ft | *2.00 ft* |
| 7. | Minimum limit of reserve stock of stone | 0.50 Lac Cft | 0.50 Lac Cft |

**iii. Inverted Hockey**

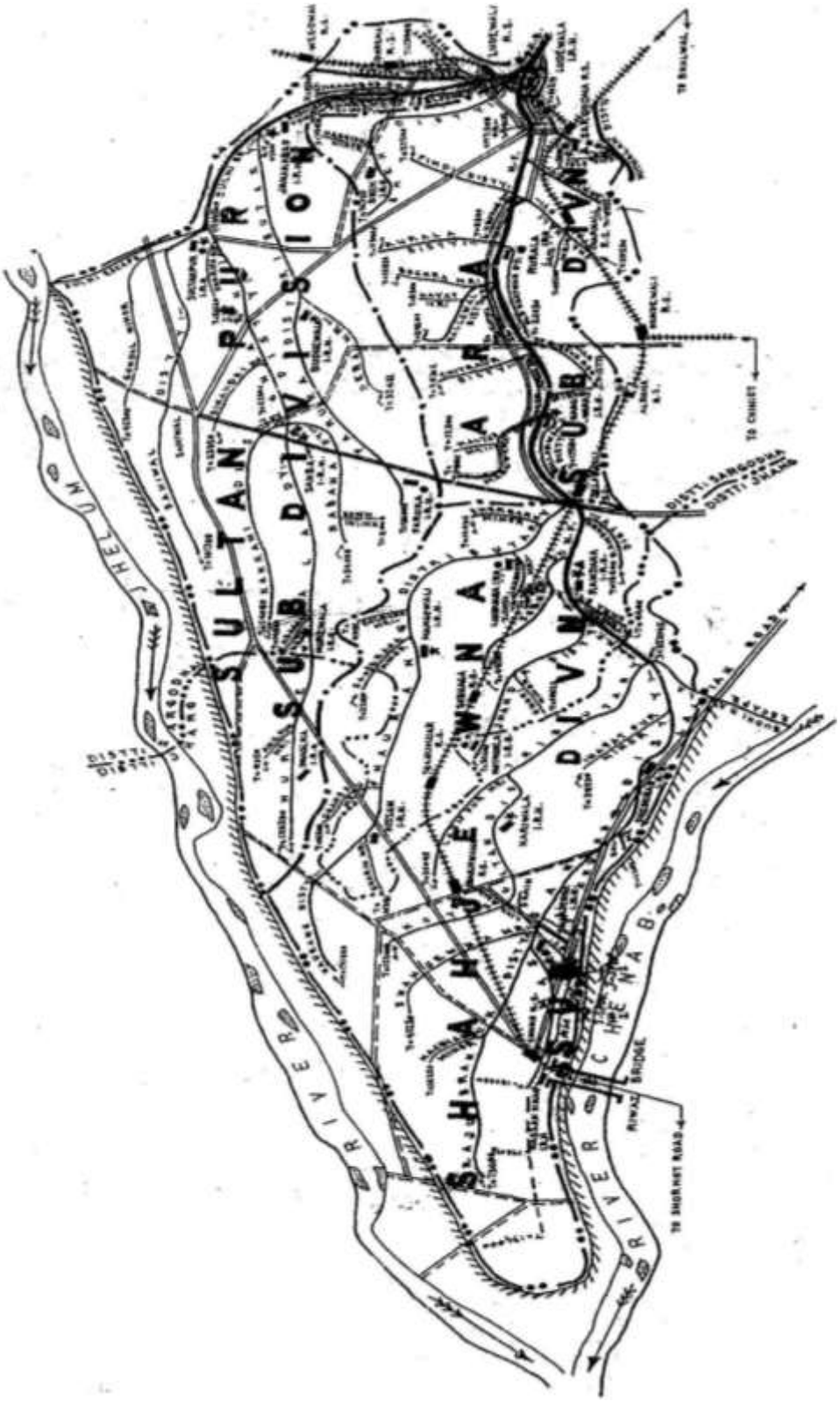
| Parameters | | Inverted hockey at RD 28+500 of Masson Flood Bund |
|---|---|---|
| 1. | Shank Length | 620 Ft |
| 2. | Top Width | 25 Ft |
| 3. | Side slopes | 2:1 on both sides |
| 4. | Free Board | 5 ft above H.F.L of 2014 |
| 5. | Stone Apron Size | 420 Cft./Ft run (70 x 6) |

**iv. Inverted Hockey**

| Parameters | | Inverted hockey at RD 33+000 of Masson flood Bund |
|---|---|---|
| 1. | Length | 750 Ft |
| 2. | Top Width | 30 Ft |
| 3. | Side slopes | 1:1 on both sides |

## *2.2 Location Map*

The location of Masson Flood Bund and J-Head Spur No. 01 & J-Head Spur No. 02 existed on right flank of the river Chenab and the Sahiwal Flood Bund existed on left flank of the river Jhelum falling in the jurisdiction of Sargodha Canal Division Sargodha is shown as under.



# *Chapter-3*
# *Brief history of past flood events*

Masson Disty flows in close proximity of the River Chenab and the rivers spill had been badly affecting the area on right side since very long. The past floods of 1950, 1959,1973 and1976 shattered / damaged the canal network and created havoc for the abadies, dwellers of the locality. The canal system was badly damaged and supplies remained interrupted for a long duration, resulting colossal losses both in public and private sector. The Lalian – Chund road was also damaged, resulting traffic hazards. The most critical and vulnerable reach was from Shahjewana Town RD 87 to RD: 194+200 (Tail) Masson Disty.

Ultimately the Masson Disty was curtailed from RD: 194+200 to RD: 154+330 vide Chief Engineer, Irrigation Sargodha letter No. 9843/WI/79/56/57 dated 24.04.1979.

The past experience of unprecedented floods necessitated the construction of flood embankment and therefore the left bank of Masson Disty reach RD: 87+500 (Zero point of flood bund) to RD154+330 tail, was converted into Masson Flood bund during 1982-84.The flood bund was meant for protecting Shahjewana Town, Lalian - Chund road and Masson Disty from RD 110 to tail RD154+330.

The River meandering subsequently developed a right sided loop between RD15-18 Masson Flood Bund. The erosive action was so severe and rapid that it threatened the safety of flood bund in reach RD: 15-18, Lalian-Chund Road, Wajidabad Town with allied abadies and other vital infrastructures. In order to safeguard the National assets, the Model studies were carried out (Report No. 383/C/57 dated. 24-02-1980) and a J- Head Spur was constructed during, 1982-84 opposite RD: 16+500 of Masson Flood Bund (opposite Wajidabad Town).

Again the River developed a loop opposite RD: 33-37 of Flood Bund. The historic and unprecedented floods of 1992, washed the Flood Bund in reach RD 33-37 Masson Disty, and other abadies. The spilled water also blocked the Sargodha –Jhang road and caused traffic hazards. The sensitivity of situation warranted immediate measures. In the light of the recommendations of Expert Committee, the Flood Bund as well Masson Disty had been restored on the sanctioned alignment, along with construction of a J-Head Spur at RD: 35+200 of Masson flood Bund. This Project accomplished during April - July, 1996 under "1992 Flood Damages Restoration Project". The newly constructed Spur has reflected the good results and proved its usefulness, during exceptionally high Flood of 1997. More than 50 acres of fertile land has been re-claimed, in addition to protection of Masson Flood Bund, Local infrastructures and abadies. During flood season 2006, the River Chenab was in high flood with a peak discharge of4.43 Lac Cs D/S Qadirabad Head Works on 04.09.2006. The Flood water directly hit the armored nose of J-Head Spur No. 2 at RD 35+200 Masson Flood Bund and the apron at various X-Section lines SS, AA, BB, CC, DD and EE was completely launched. The stone pitching on slope of armored nose at X-Section Lines SS to DD also launched. This work was included in ***Flood Damages Restoration Project 2006*** and was approved by Federal Government with estimated cost Rs. 8.058 Million. The work completed during the year 2006 – 07. The J – Head Spur No. 2 is now safe.

During 2009 no significant flood came in the River Jhelum and Chenab, therefore, no flood damages occurred.

During 2010 there was high flood in the River Chenab. Main active creek of the river Chenab twisted towards right bank and started erosion between RD 31-35and threatened the safety of flood bund. Some portion of stone apron of J-head Spur No2 was launched with the erosive action of flood water.

A meeting of **Departmental Expert Committee** was held in the office of Chief Engineer (Research) Lahore on 02.02.2011 to discuss this aggrieved situation and agreed with the proposal already given by **PRO (Hydraulic)** vide his letter No. 576 / 838 – C / A / II dated 31.08.2010 However it was decided that the site be again inspected by the PRO (Hydraulic) to see fresh position of site after flood 2010. The Experts visited the site on 09.03.2011 and conveyed recommendations by the Director / PRO (Hydraulics) Irrigation Research Institute Lahore vide letter No. 140 / PRO (H) / 838 – C / A – II dated 21.03.2011

The recommendations of the ***Director / PRO (Hydraulics)*** Irrigation Research Institute Lahore are given as under;-

**A) Construction of an inverted hockey stud at RD 33+000 of Masson Flood Bund.**

The parameters of the structure are as below:-

| | | | | |
|---|---|---|---|---|
| 1. | Level part straight | | = | 450 ft |
| 2. | Curved part | | = | 209 ft |
| | a) | Radius of the curved part | = | 150 ft |
| | b) | Angle | = | 80 ft |

**B) Construction of a sloping stud at RD 33+850 of Masson Flood Bund with its level part straight 200 ft with sloping part (1:5).**

The subjected work was taken up under Para 2.89 PWD Code during year 2012 with the approval of the Secretary Irrigation Department Punjab Lahore.75% work has executed at site. The Executed work is safe and proved its existence during the flood 2016.

The extraordinary rains in the first week of September 2014 during a very short duration in the upper catchments of the river Chenab and Jhelum experienced exceptionally high flood in the both rivers. No major change in the morphology of river Jhelum reach Rasul Head work to Trimu Head works as well as river Chenab reach downstream Chiniot Bridge to Trimu Head works noticed during flood 2014.Low flood was experienced in river Jhelum and medium flood was experienced in the river Chenab during July 2015.400 acre area was eroded by the action of river Chenab. The river shifted its regime towards Masson Flood Bund and became very close in between reach RD 29-31, whereas the distance recorded between river edge and Masson Flood Bund is about600ft.

Masson Flood Bund, located on the right bank of River Chenab, serves as the primary flood protection barrier for Shahjewana Town and adjoining settlements in District Jhang. The total length of the bund is 66+800 RDs and it is situated downstream of Chiniot Road Bridge, strategically positioned to counter high flood stages originating in the upper catchments of the Chenab Basin.During the year 2025, an unprecedented super-historic flood event was experienced in River Chenab. The discharge recorded at Qadirabad Barrage on 28-08-2025 reached an exceptionally high magnitude of 1,077,000 cusecs, surpassing all previously documented events, including the major flood of 2014.

## *Chapter-4*

## *Design Data, Historic peak flood data and previous five years flood data of Head Works / Barrages and or other control points*

### *4.1 Flood Limits*

The terminology of different kinds of flood is low, Medium, High, very high and exceptionally high and they will be taken as such in the light of any wireless message received from respective warning centers.

**FLOOD LIMITS (ABOVE) CUSECS**

| Rivers | Control Point | Low | Medium | High | Very High | Exceptionally High |
|---|---|---|---|---|---|---|
| Jhelum | Mangla | 0.75 to 1.10 | 1.10 to 1.50 | 1.50 to 2.25 | 2.25 to 3.00 | More than 3.00 |
| Jhelum | Rasul | 0.75 to 1.10 | 1.10 to 1.50 | 1.50 to 2.25 | 2.25 to 3.00 | More than 3.00 |
| Chenab | Khanki | 1.00 to 1.50 | 1.50 to 2.00 | 2.00 to 4.00 | 4.00 to 6.00 | More than 6.00 |
| Chenab | Qadirabad | 1.00 to 1.50 | 1.50 to 2.00 | 2.00 to 4.00 | 4.00 to 6.00 | More than 6.00 |

### *4.2 Time Lag of Floods*

As per statement, the following are the time lags for average flood flowsin the Rivers.

| River | From | To | Distance | Time Lag |
|---|---|---|---|---|
| Jhelum | Mangla | Rasul | 45 mile | 9 Hours |
| | Rasul | Bridge Khushab | 80 mile | 22 Hours |
| Chenab | Marala | Qadirabad | 58 mile | 19 Hours |
| | Qadirabad | Trimmu | 160mile | 36 Hours |

### *4.3 Highest Floods*

The highest flood discharges in cusec recorded downstream Rasul Barrage and Qadirabad Barrage during last Five years are as under:-

| Year | D/S Rasul | D/S Qadirabad |
|---|---|---|
| 2016 | 43,135 Cs | 405542 Cs |
| 2017 | 39230 Cs | 154420 Cs |
| 2018 | 43,135 Cs | 1,72,031 Cs |
| 2019 | 23,610 Cs | 1,59,544 Cs |
| 2020 | 1,26,951 Cs | 2,58,954 Cs |
| 2021 | 31,420 Cs | 1,67,812 Cs |
| 2022 | 23610 Cs | 202149 Cs |
| 2023 | 23090 Cs | 185749 Cs |
| 2024 | 66960 Cs | 145219 Cs |
| 2025 | 127162 Cs | 1077951 Cs |

## *4.4 Peak discharges(*HISTORIC PEAK FLOOD DATA)

| Date | Discharge | Pond Level |
|---|---|---|
| **DOWN STREAM RASUL BARRAGE(RIVER JHELUM)** | | |
| 10.09.1992 | 952170 | 721.00 |
| 23.08.1994 | 129392 | 717.00 |
| 28.07.1995 | 285071 | 715.00 |
| 26.06.1996 | 133192 | 716.00 |
| 27.08.1997 | 549598 | 716.00 |
| 17.07.1998 | 70674 | 719.00 |
| 11.05.1999 | 46160 | 719.00 |
| 22.07.2000 | 39222 | 718.00 |
| 27.07.2001 | 30270 | 718.00 |
| 14.08.2002 | 49170 | 718.00 |
| 05.09.2003 | 49170 | 718.00 |
| 30.04.2004 | 31422 | 719.00 |
| 17.07.2005 | 92246 | 719.00 |
| 13.07.2006 | 165947 | 720.00 |
| 07.07.2007 | 34098 | 719.00 |
| 14.11.2008 | 20678 | 719.00 |
| 17.08.2009 | 56794 | 719.00 |
| 01-02/08/2010 | 263000 | 719.00 |
| 17.09.2011 | 96864 | 719.00 |
| 05.08.2013 | 43135 | 719.00 |
| 06.09.2014 | 516387 | 720.40 |
| 01.07.2015 | 99103 | 718.00 |
| 24.06.2016 | 40424 | 701.30 |
| 23.07.2017 | 39230 | 719.00 |
| 02.10.2018 | 43135 | 691.50 |
| 03.10.2019 | 23610 | 698.10 |
| 28.08.2020 | 126951 | 698.10 |
| 30.06.2021 | 31420 | 698.10 |
| 23.06.2022 | 23610 | 698.00 |
| 08.09.2023 | 23090 | 550.00 |
| 30.08.2024 | 66960 | 702.00 |
| 17.07.2025 | 127162 | 703.80 |
| **DOWN STREAM QADIR ABAD BARRAGE (RIVER CHENAB)** | | |
| 05.08.1986 | 342758 | 695.70 |
| 27.07.1987 | 97879 | 691.40 |
| 26.09.1988 | 892299 | 700.30 |
| 31.07.1989 | 498474 | 697.60 |
| 22.03.1990 | 347205 | 695.90 |
| 15.04.1991 | 249663 | 694.50 |
| 11.09.1992 | 948530 | 700.50 |
| 11.07.1993 | 434754 | 697.30 |
| 21.07.1994 | 425567 | 697.00 |
| 29.07.1995 | 644397 | 699.00 |
| 24.08.1996 | 853231 | 700.50 |
| 28.08.1997 | 873442 | 700.80 |
| 05.03.1998 | 259713 | 694.50 |
| 08.08.1999 | 122447 | 691.60 |
| 23.07.2000 | 291349 | 693.70 |
| 08.08.2001 | 136575 | 697.70 |
| 14.08.2002 | 226398 | 694.60 |

| | | |
|---|---|---|
| 19.02.2003 | 367408 | 696.20 |
| 18.08.2004 | 90043 | 691.50 |
| 06.07.2005 | 369847 | 697.00 |
| 04.09.2006 | 443206 | 699.10 |
| 14.03.2007 | 289002 | 697.00 |
| 01.08.2008 | 190438 | 697.00 |
| 17.08.2009 | 55535 | 697.00 |
| 07.08.2010 | 298961 | 697.00 |
| 17.09.2011 | 164604 | 697.00 |
| 05.08.2012 | 180789 | 691.97 |
| 24.07.2013 | 403403 | 696.90 |
| 07.09.2014 | 903504 | 701.70 |
| 07.07.2015 | 161054 | 701.00 |
| 08.08.2016 | 405542 | 696.95 |
| 03.08.2017 | 154420 | 694.00 |
| 14.08.2018 | 172071 | 692.80 |
| 01.08.2019 | 159544 | 684.70 |
| 29.08.2020 | 196077 | 693.00 |
| 29.07.2021 | 167812 | 688.25 |
| 12.08.2022 | 202149 | 694.00 |
| 20.07.2023 | 185749 | 692.95 |
| 16.08.2024 | 145219 | 691.80 |
| 27.08.2025 | 1077951 | 730.95 |

# Chapter-5
# Flood Fighting Strategy

## A. RIVER JHELUM.

The following channels are directly affected by RIVER spills and their right bank acts as Flood embankment and protection to the Towns (like Sahiwal, Sial Sharif), abadies, crops and other infrastructure, against the Flood.. The main towns/villages protected by canal embankment are Mauza Gondal, Mauza Buslana, Mauza Mohabata, Mauza PirSabz, Mochiwal, Mauza Sangraka, Mauza Mubarawala, Rakh Mega, RakhBar, Thatti Raja, BahliBala, Blochanwala, RakhKallar Sarkar, Sahiwal, Ratri, ThattiSaidShameer, BaggaBalochan, Hindwan, Mohibpur, Todarpur, Sial Sharif, Matta,Pollah, Sheikh, BadarBhown, Abuwal, AhirSurkhru, Ahir Fateh Shah, JallaZairian, Dadal, Buri, Shauriwala, Long Shumali, Dhulka, AkilPur, Attoana, Kallar, KotKhushal, Qadirpur, Pabbarwala, Daulka, FerozeChandia, Turbat Haji Shah and Tibba.

The reaches of channels which are affected by .River spills and where the right bank of channels acts as flood protection embankments are:-

| S.NO. | CHANNEL | REACH | LENGTH |
|---|---|---|---|
| 1. | Sahiwal Disty. | RD: 45-101+700 (Tail) | 11.34 mile |
| 2. | Gondal Minor. | RD: 14-46+500 (Tail) | 6.50 mile |
| 3. | Nurewala Disty. | RD: 91-117+040 (Tail) | 5.20 mile |
| 4. | Aqilpur Minor. | RD: 0-8+350 (Tail) | 1.67 mile |
| 5. | Naurang Disty. | RD: 150-171+660 (Tail) | 4.33 mile |
| | | **Total:** | **29.04 mile.** |

In view of vulnerable location of channels, running close to river Jhelum, it is essential to take up the flood preparedness activities like strengthening of weak and ghat sites, clearance of Jungle, shrubs from banks and slopes and making them fit to face the ensuing floods. As there exists no regular establishment on these flood embankments so a gang of one man per mile is employed from 1st June to 30TH October, in addition to existing establishment of one beldar in six mile length of canal.

### i. LOW FLOOD (DISCHARGE 75.000 Cs TO 1.10,000 Cs.

(Duty jurisdiction of Sub Engineers)

| | | | |
|---|---|---|---|
| (1) | Sub Engineer Sultanpur Section | i. | Sahiwal Disty RD: 0- Tail. |
| | | ii. | Gondal Minor RD: 0-Tail. |
| (2) | Sub Engineer Nurewala Section | i. | Nurewala Disty RD: 80- Tail. |
| | | ii. | Aqilpur Minor RD: 0- Tail. |
| (3) | Sub Engineer Mongowali Section | i. | Naurang Disty RD: 135- Tail. |

**ii. MEDIUM FLOOD DISCHARGE 1,10,000 - 1,50,000 Cs.**

At medium flood stage, the water spill out and inundates the low lying areas. It also hits the canals at some places hence watching is required, therefore, one man for day and one for night per mile is employed, including the existing gang, for watching purpose.

**iii. HIGH FLOOD DISCHARGE 1,50,000 - 2,25,000 Cs.**

The watching establishment will be raised to one man per mile per shift for three shifts a day, including existing gang.

The Sub Engineer, Budhewala will shift his camp at RD: 29 of Gondal Minor and will be incharge of Gondal Minor.

The Sub Engineer, Sultanpur will be incharge of Sahiwal Disty and will shift his camp at RD: 65,000 of Sahiwal Disty.

The Sub Engineer Nurewala, Section will be incharge of both Nurewala Disty andAqilpur Minor and will shift his camp at Dhaulka Rest House (RD: 108 of Nurewala Disty). The Sub Engineer Mongowali will be incharge of watching/flood fighting activities on Naurang Disty and will shift his camp at RD; 160,000 of Naurang Dirty. The Sub Divisional Officer Sultanpur and Sub Divisional Officer Shahjewana will be the overall incharge of their respective channels but in case of flood in River Chenab, the Sub Divisional Officer Shahjewana will shift to Masson Flood Bund/ Spurs and that the Sub Divisional Officer Sultanpur will take care of Naurang Disty, also. The Zilladar Sultanpur, Nurewala and Lakhuana Section will also assist their Sub Engineers for procurement of labour and other camping arrangements.

**iv. VERY HIGH FLOOD DISCHARGE 2,25,000-3,00,000 Cs.**

The staff duties as assigned for high Flood limits will remains as such. However the watching establishment will be raised to 2 men per mile per shift for three shifts round the clock.

**v. EXCEPTIONALLY HIGH FLOOD (DISCHARGE ABOVE 3.00.000 Cs).**

At this stage, the Sub Divisional Officer Sultanpur will be overall in charge of all the watching/flood fighting activities. He will manage the activities, keeping in view the demand of site and consultation with Deputy District Officer (Revenue) Sahiwal. In case of Canal Closure he may shift the regular establishment for watching/fighting activities. The labour strength will be enhanced to 4 men per mile per shift for three shifts a day. He will also arrange record of hourly flood gauges at one mile interval. The flood situation and other relevant instances/damages will be promptly report to Executive Engineer Sargodha Canal Division, District Flood Control Center Sargodha, in office of DCO Sargodha / Chief Engineer Irrigation Zone Sargodha Office and Canal Telegraph Office Sargodha.

**NOTE: -** For all the Flood Stages, one mate will be employed for 8 beldars strength.

## B. RIVER CHENAB.

The following Flood Bund, Spurs and the channels are directly affected by the Floods and Flood spill:-

| S.No: | FLOOD BUND/CHANNELS | REACH. | LENGTH. |
|---|---|---|---|
| 1. | Masson Flood Bund | RD: 4+000 to RD | 12.56 mile |
| 2. | Spur at RD: 16500 Masson F.B | RD: 0+000 to RD | 2.08 mile |
| 3. | Spur at RD: 35200 Masson F.B | RD: 0+000 to RD 1+000 | 0.20 mile |
| 4. | Raju Minor | RD: 27 to RD 71 (T) | 9.32 mile |
| 5. | Kachian Minor | RD: 0+000 to RD | 3.25 mile |
| 6. | Masson Disty: | RD 110+000 to RD 154+330 (T) | 8.87 mile |
| | | **Total:** | 36.28 miles. |

**NOTE:-**Masson Disty in reach RD: 87+500-Tail flows in shadow of Masson Flood Bund

Therefore, no extra labour is employed on Masson Disty.

For watching of channels, one man per mile will be employed for one month i.e. 1st to 30th June, in addition to existing strength of one man per six mile length. Since there is no regular establishment on Masson Flood Bund and Spurs, so a gang of one man per mile will be employed on Masson Flood Bund and two man for J-Head Spur No. 2 and four No for J-Head Spur No. having length 2.07 mile will be employed w,e,f, 1st June to 30th September. The establishment will take care of all preparations like filling depressions, rain cuts/gharas, clearance of slopes upto 10 feet beyond toe of Flood Bund, Opening/puddling holes etc.

### i. LOW FLOOD DISCHARGE 100000-150000 Cs.

No extra labour will be employed. The labour arranged for preparedness will continue as such. The Sub Engineer Shahjewana will shift his camp at Spur RD: 35200 Masson Flood Bund and will also watch Spur at RD: 16500.

### ii. MEDIUM FLOOD DISCHARGE 150,000-200,000 Cs.

The flood water flows within River banks. No extra labour will be employed on Masson Flood Bund. However, the labour on Spurs will be doubled i.e. two men for J-Head Spur No. 2 and 8 No for J-Head Spur No 2 for day and night. Sub Divisional Officer Shahjewana will also shift his camp on the Spur where the situation so warrants and will minutely watch the River action on Spurs. In case of any emergency, SDO Shahjewana will promptly contact Executive Engineer Sargodha and suggest/take fighting measures with prior concurrence of Superintending Engineer LJC, Circle Sargodha. He will keep a close liaison with Flood Center of District Coordination Officer Jhang and Flood Emergency Officer of Sargodha Irrigation Zone Sargodha.

**iii. HIGH FLOOD DISCHARGE 200000 - 400000 Cs.**

The flood water spills out during this stage of flow and a gang of one man per mile per shift for three shifts will be employed on channels whereas the labour strength of 2 men per mile per shift will be employed on Masson Flood Bund. Two men per shift for three shifts on Spur RD: 35200 and four men per shift for three shifts will be employed for Spur RD: 16500 of Masson Flood Bund. The Sub Engineer Karriwala will shift his camp at Spur RD: 16500 and will be incharge of Spur and Flood Bund RD; 0-25, Similarly the Sub Engineer Shahjewana, already camping at Spur RD: 35200, will be incharge of Spur No. 35200 and Flood Bund from RD: 25000 to RD: 66800 (tail). The Sub Engineer will also ensure temporary plugging of all water courses / tube wells crossings under Masson Flood Bund. Drainage X-ing for Shahjewana Drain, with gated structure demands vigorous control of water from both sides. The Sub Divisional Officer Shahjewana will be overall incharge of flood watching and related activities.

**iv. VERY HIGH FLOOD DISCHARGE 400000-600000 Cs.**

All activities will remain as such. The watching establishment will be raised to two men per mile on channels and three men per mile per shift for three shifts on Masson Flood Bund. The strength on Spur will be same as for high flood limits.

**v. EXCEPTIONALLY HIGH FLOOD ABOVE 600000 Cs.**

This stage warrants alarming situation. The watching labour will be raised to 3 men per mile per shift on channels and 5 men per mile per shift for three shifts on Flood Bund. Similarly the strength will be raised to six men per shift on Spur RD: 16500 and three men per shift for three shifts on Spur RD: 35200 Masson Flood Bund. On receipt of exceptionally high flood, the Deputy Collector Sargodha along with concerned Zilladars will shift their camp at Shahjewana Rest House. He will arrange.

i. Proclamation on loudspeakers etc for evacuation of abadies inside the flood bunds.
ii. Prepare maps for the areas inundated and carry out immediate survey for damages to crops and other properties.
iii. Keep a close liaison with Sub Divisional Officer and assist him in procurement of labour and other camping arrangements.

Executive Engineer, Sargodha Division will camp at Shahjewana Rest House and will be overall in charge of all watching and fighting activities. He will remain in touch with District Administration Jhang and Flood Emergency Officer, Sargodha. He will launch Flood fighting activities after Consultation/Concurrence of Superintending Engineer, LJC, Circle Sargodha.

In view of vulnerable location of channels, being in the flood plain, it is essential to take up flood preparedness activities like strengthening weak and ghat sites, clearance of jungle, shrubs from banks and slopes and making them fit to face the ensuing floods. In this regard after flood season 2025 a committee was constituted by the Administrative Department vide No. SO(Floods)VII-22/2017 dated 26-12-2025. As per Final Report on 19-01-2026 committee for finalization of machinery & Human Recourse requirement for flood Fighting Plan (FFP) as per approved the new criteria for establishment of camps, deployment of machinery and human resources, and material for each camp across various irrigation infrastructures (river-wise) as per following:-

**1. <u>General Manpower Hiring (Maintenance Phase)</u>**

Total manpower requirement for watching and maintenance of flood embankment during the flood season from 15$^{th}$June to 15$^{TH}$October(the entire flood season) as per the following criteria:

- **Watching Establishment Criteria**

| | | |
|---|---|---|
| Normal Flood Season | 1 Person/2 mile | (1 Shift) |
| Low Flood | 1 Person/mile | (1 Shift) |
| Medium / High flood | 2 Person/mile/shift | (2 Shift) |
| Very High /Exceptionally High | 5 Person/mile/shift | (3 Shift) |

- Beldar should be provided with hand tools (1 Kassie, 1 Axe and 1 Rechargeable Torch for night shift in case of flood above low flood limit)
- The activities of staff during normal flood season should be included but not limited to:
  - Removing Jungle and bushes from slopes and toe of embankment
  - Filling of rain cuts/Gharas
  - Dressing of Slopes
  - Filling porcupine and rat holes
  - Keeping the track motorable

  **Mate:** 1 No. for every gang of 12 Beldars at all flood ranges.

## *Chapter-6*
## *Flood Damages Restoration Works*

## DETAIL OF FLOOD DAMAGES DURING FLOOD 2025.

| Sr. No | Name of Division | District | Name of Work | Priority Tentative Cost (Rs. Millions) | Remarks |
|---|---|---|---|---|---|
| 1 | Sargodha Division LJC Sargodha | Jhang | **Restoration of Masson flood bund and allied structures** | 270 | Work in progress. |
| i | | Jhang | Inverted Hockey RD 28+000 | | |
| ii | | Jhang | Inverted Hockey at RD 33+000 | | |
| iii | | Jhang | J-head Spur No.2 at RD 35+000 | | |
| iv | | Jhang | J head Spur No.1 of Masson flood bund | | |

## ***List of Remodeling Works***

| Sr. No | Name of work | Name of Division | River | District | Cost Rs. Million | Latest Status |
|---|---|---|---|---|---|---|
| 1 | Raising and protection of Masson flood bund and its allied structures | Sargodha Canal Division LJC, Sargodha | Chenab | Jhang | 600 | Estimate sanctioned vide C.E (I) SGD No. 2372/WII/vi-2 Dated. 02.02.2026, Amounting to Rs. 641.799 Million. Work awarded to contractor. |

# *Chapter-7*

# *Flood Fighting Watching Arrangement*

## *7.1 Pre-Flood Arrangement*

The flood protection activities within the jurisdiction of Sargodha Canal Division, LJC Sargodha, along the right side of River Chenab at Masson Flood Bund, are being carried out under the supervision of the Executive Engineer, Sargodha Canal Division, LJC Sargodha. The Sub Divisional Officer, Shahjewana Sub Division, has been assigned to remain in-charge of inspection, monitoring, and necessary arrangements of the following flood protection structures:

- Masson Flood Bund from RD 0+000 to RD 66+800 along Masson Distributary from RD 87+500 to RD 154+300 (Tail)
- J-Head Spur No. 1 at RD 16+500 of Masson Flood Bund
- J-Head Spur No. 2 at RD 35+200 of Masson Flood Bund
- Inverted Hockey at RD 28+500
- Inverted Hockey at RD 33+000 of Masson Flood Bund

Furthermore, the reserve stock of stone has been approved within the jurisdiction of Sargodha Canal Division, LJC Sargodha, as detailed below:

### *Status of reserve stock of stone*

| **Name of Structure** | **Sanction Limit of Stone** | **Available Stone at Site** | **Balance** | **Remarks** |
|---|---|---|---|---|
| J-Head Spur No. 1 | 0.50 Lac Cft: | 0.34 Lac Cft: | 0.16 Lac Cft | 0.70 lac cft (70%) Sufficient quantity of stone is available at site. |
| J-Head Spur No. 2 | 0.50 Lac Cft: | 0.36 Lac Cft: | 0.14 | |
| **Total** | **1.00 Lac Cft** | **0.70 Lac Cft** | **0.30 Lac Cft** | |

## *7.2 Watching Establishment*

Following are the main spots where watching Huts will be established on temporary basis. During medium floods for Spurs and high floods for channels and Flood Bund, the tents/shouldaries will be erected and Flood watching material shifted in such huts. One Chowkidar for each Hut will be employed from the report of receipt of medium Flood and willremain employed till end of flood season. The scale / engagement of work charge labour on channels and flood bunds.

| **Watching Establishment Details** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sr. No.** | **Structure Name** | **Length (Miles)** | **Flood Limits** | | | | | | | |
| | | | **Normal Flood Season** | | **Low Flood** | | **Medium/High Flood** | | **Very High/ Exp. High Flood** | |
| | | | **Men** | **Shift** | **Men** | **Shift** | **Men** | **Shift** | **Men** | **Shift** |
| | | | **1 Person/ 2 mile (1 Shift)** | | **1 Person/ mile (1 Shift)** | | **2 Person/ mile (2 Shift)** | | **5 Person/ mile (3 Shift)** | |
| 1 | Masson Flood Bund RD 0+000 to 66+800 Tail | 13.36 (Mile) | 7 | 1 | 14 | 1 | 28 | 2 | 65 | 3 |
| 2 | J-Head Spur No. 1 at RD 16+500 of Masson Flood Bund | 2.08 (Mile) | 1 | | 2 | | 4 | | 10 | |
| | **TOTAL Per Shift** | | **8** | | **16** | | **32** | | **75** | |
| | **Total** | | **8** | | **16** | | **64** | | **225** | |
| | **No. of Mates** | | **1** | | **1** | | **5** | | **19** | |

Beldar should be provided with hand tools (1 Lassie, 1 Axe and 1 Rechargeable Torch for night shift). The activities of staff during normal flood season should be included but not limited to:

- Removing Jungle and bushes from slopes and toe of embankment
- Filling of rain cuts/ gharas
- Dressing of slopes
- Filling porcupine and rat holes
- Keeping the track motorable

Note: 01 No. Mate is for every 12 No. Beldars

* Payment for machinery & work charge employees subject to verification by TPM/consultants.

| **Sr.#** | **Name of Channel** | **Location of watching Hut** |
|---|---|---|
| 1 | Sahiwal Disty. | RD 65-66 Sahiwal Disty, at Lakhiwal road |
| 2 | Gondal Minor. | RD29Gondal Minor |
| 3 | Nurewala Disty, Akilpur Minor. | RD 107-108 at Dhaulka Canal Rest House |
| 4 | Naurang Disty. | RD: 160 Naurang Disty |
| 5 | Masson Flood Bund | At start of J-Head Spur No 1 atRD 16+500Masson Flood Bund. |
| 6 | Masson Flood Bund | At start of J-Head Spur No 2 at RD 35+200 Masson Flood Bund. |
| 7 | Masson Flood Bund | Between RD: 53-54 Junction of Masson Flood Bund with Sargodha –Jhang Pacca Road near Chund Bus Stop. |

## *7.3 Arrangement at Sensitive sites*

For all spots, sufficient quantity of flood fighting material with manpower will be made available in all these camps. Engagement of work charge establishment to supplement the efforts through regular establishment will be made in accordance with the demand of the situation. Following are the main spots where watching camps will be established on temporary basis

| **Established Camps Details** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Sr. No.** | **Structure Name** | **Length (Miles)** | **Vulnerable sites** | | **No. of Camps Established Except Vulnerable Points** | | | |
| | | | | | **Normal Flood season/Low Flood** | | **Medium/High Flood** | **Very High/Exp. High Flood** |
| | | | **Reach** | **No. of Camps** | **15 Miles** | | **7 Miles** | **5 Miles** |
| **1** | Masson Flood Bund RD 0+000 to RD 66+800 tail. | 13.36 | 13 -17<br>28-33 | 2 | - | - | 1 | 1 |
| **2** | Embankment along Sahiwal Disty RD 58+000 to RD 68+250/R | 2.05 | 64-65 | 1 | - | - | - | - |
| **Total** | | | | **3** | **-** | **-** | **1** | **1** |

## *7.4 Watching Material*

There will be total 04 No. watching Camp along Channels and 03 No. on Masson Flood Bund. The following Flood material will be arranged and stored at Sultanpur, Nurewala and Shahjewana rest House. The material will be shifted to watching huts as soon as the intimation of Medium/High Flood limit is received. The medium flood limit applies to Spurs and High Flood limit for Flood Bund and Channels. Following will be the scale of watching material for temporary watching camps / huts.

**Minimum Requirement of Flood Fighting Material for Permanent Camps (15 miles)**

| Sr. No. | Item | Unit | Total required Quantity (3 No. Camp) | Available Quantity (3 No. Camp) | Balance QTY (3 No. Camp) | Remarks |
|---|---|---|---|---|---|---|
| 1 | Shouldari / tent | No | 03 | 0 | 03 | **Subject to availability of funds, the materials shall be purchased before start of flood season 2026** |
| 2 | Chairs | No | 18 | 0 | 18 | |
| 3 | Tables | No | 03 | 0 | 03 | |
| 4 | Generators (2-3KVA) | No | 03 | 1 | 02 | |
| 5 | Pedestal Fans | No | 03 | 0 | 03 | |
| 6 | Charpois | No | 06 | 5 | 01 | |
| 7 | Sumbolic Jackets | No | 150 | 0 | 150 | |
| 8 | Polyethene Sheet | Kg | 300 | 0 | 300 | |
| 9 | Bamboos (4” dia and 10 ft long) | No | 300 | 0 | 300 | |
| 10 | Water cooler | No | 03 | 0 | 03 | |
| 11 | Portable umbrella | No | 06 | 0 | 06 | |
| 12 | Life Jackets | No | 15 | 0 | 15 | |
| 13 | Utensils (10 person serving) | No | 03 | 0 | 03 | |
| 14 | Jute / plastic Bags | No | 3000 | 500 | 2500 | |
| 15 | Walke Talkie Set | Sets | 06 | 0 | 06 | |
| 16 | Raincoats | No | 30 | 0 | 30 | |
| 17 | LED Flood Light | No | 30 | 0 | 30 | |
| 18 | Extension cable (10 ft) | No | 06 | 0 | 06 | |
| 19 | Rechargeable Torches | No | 60 | 0 | 60 | |
| 20 | Kassi | No | 60 | 25 | 35 | |
| 21 | Axes | No | 60 | 25 | 35 | |
| 22 | G.I Buckets | No | 15 | 10 | 5 | |
| 23 | 7/44 cable | Feet | 1500 | 0 | 1500 | |
| 24 | Sutli | Kg | 06 | 0 | 06 | |
| 25 | Sewing needles | No | 30 | 0 | 30 | |
| 26 | Emergency medical kit | No | 03 | 0 | 03 | |
| 27 | Wire crates (3x3x3) (at only those camp near river action and reserve stock exists) | No | 300 | 0 | 300 | |

**Following minimum requirement of Flood Fighting Material for Temporary Camp (7 or 5 miles during medium to exceptionally high flood to be outsourced)**

| Sr. No. | Item | Unit | Total required Qty / Camp | Remarks |
|---|---|---|---|---|
| 1 | Shouldari / tent | No | 01 | Material for temporary camps (07 or 05 miles during medium to exceptionally high flood) will be outsourced. |
| 2 | Walke Talkie Set | Sets | 01 | |
| 3 | Chairs | No | 06 | |
| 4 | Raincoats | No | 10 | |
| 5 | Tables | No | 01 | |
| 6 | LED Flood Light | No | 10 | |
| 7 | Generators (2-3KVA) | No | 01 | |
| 8 | Extension cable (10 ft) | No | 02 | |
| 9 | Pedestal Fans | No | 01 | |
| 10 | Rechargeable Torches | No | 20 | |
| 11 | Charpois | No | 02 | |
| 12 | Kassi | No | 20 | |
| 13 | Sumbolic Jackets | No | 50 | |
| 14 | Axes | No | 20 | |
| 15 | Water cooler | No | 01 | |
| 16 | G.I Buckets | No | 05 | |
| 17 | Portable umbrella | No | 02 | |
| 18 | 7/44 cable | Feet | 500 | |
| 19 | Utensils (10 person serving) | No | 01 | |
| 20 | Sutli | Kg | 02 | |
| 21 | Jute / plastic Bags | No | 500 | |
| 22 | Sewing needles | No | 10 | |

## *7.5 Arrangement for Sounding & Probing*

This item relates to Barrage / Head works &canal Divisions.

## *7.6 Lighting Arrangement*

Sufficient numbers of emergencies lights, lanterns and petromax lamps have already been provided. Petrol generators have been arranged and available for lighting arrangements.

## *7.7 Ration Arrangement*

The establishment and supervisory staff will be provided food and water by the Departmental arrangement.

## *7.8 P.O.L. Arrangement for Vehicle*

Department will arrange to supply POL for vehicles.

## *7.9 Transportation*

Vehicles are available for transportation during food seasc

## *7.10 Law and order*

There is no likelihood of any interruption by anyone except cutting of banks of channels to reduce heading up. In case of necessity District Coordination Officer Sargodha and Jhang will be contacted by the Executive Engineer, Canal Sargodha Division to take decision at site.

## *7.11 Medical Arrangement for Labour*

It will be responsibility of District Government to provide Medical Facilities in flood areas where required.

## *7.12 Liaison with other Department*

Executive Engineer, Sargodha Canal Division will keep liaison with the Civil and Army Authorities and will keep the Superintending Engineer L.J.C, Sargodha fully apprised of the flood situation in Sargodha Canal Division.

## *7.13 Role of the Army*

Role of the Army is very important in case of any emergent position arises due to high flood. A continuous liaison with the Army Authorities will be maintained during flood and if required necessary help will be sought.

## *7.14 Duties of Telephone Attendant*

The Phone and Cell No of all officers and official have been given in ***Flood Fighting Plan 2026*****to** make immediate contact at any emergency during flood. ***Plan 2026*****to** make immediate contact at any emergency during flood.

**Duties of Officer / Officials**

| **Name of Office / Officials** | **Telephone No. / Cell No.** |
|---|---|
| Sargodha Canal Division Sargodha Telephone attendant | 048-9230409 |
| Telegraph Office Sargodha | 048-9230408 |
| Sub Divisional Officer Shahjewana Sub Division **(Muhammad Arif)** | 0300-6036742 |
| Sub Engineer Shahjewana Section **(Waqar Shah)** | 0301-6799187 |
| Sub Divisional Officer Sultanpur Sub Division **(Muhammad Arshad Hayat)** | 0301-4482384 |
| Sub Engineer Sultanpur Section **(Mansab)** | 0301-7186502 |

## DUTY ROSTER OF TELEPHONE ATTENDENT

| NAME | OVER ALL LOOK AFTER | TIME OF DUTY | TELEPHONE No. |
|---|---|---|---|
| Mansoor Hussain Shah | Head Signaller | OVER ALL LOOK AFTER | 048-9230408<br>0301-6700301 |
| Muhammad Ramzan Shah | Signaller | 7:00 AM TO 2:00 PM | 0308-6712612 |
| Asad Sial | Signaller | 7:00 AM TO 2:00 PM | 0300-6047154 |
| Muhammad Arif | Naib Qasid | 7:00 AM TO 2:00 PM | 0313-7812873 |
| Zahid Iqbal | Signaller | 02:00 PM TO 09:00 PM | 0346-8624508 |
| Malik Taimoor Shahzad | Signaller | 02:00 PM TO 09:00 PM | 0300-6051063 |
| Safdar Amin | Naib Qasid | 02:00 PM TO 09:00 PM | 0343-6927410 |
| Muhammad Shahbaz | Gauge reader | 02:00 PM TO 09:00 PM | 0301-6719320 |

### *7.15 Wireless Arrangements*

Wireless system will be installed in the vehicle of XEN Sargodha No. SGP 452, SDO Shahjewana Jeep No. SGE-7515 and SDO Sultanpur Jeep No MIA6012i.e.01.06.2026.

# *Chapter-8*

## *Detail of Encroachment along Masson Flood Bund*

| Sr # | Flood Bund | RD | Coordinates | | Name of Mouzajat | Nature of Encroachment | Status | Date of Removal | Date of Action | Effect on River Flow |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Latitude | Longitude | | | | | | |
| 1 | Masson Flood Bund RD 0-66+800 | 3-4/R | 31.5285220 | 72.338754 | شاہ 3-4/R جیونہ | کھوکھا | Removed | 7/1/2026 | Removed | No effect on River flow during flood |
| 2 | Masson Flood Bund RD 0-66+800 | 4-5/L | 31.5270430 | 72.340784 | شاہ جیونہ4-5/L | ایک عدد مکان | Removed | 7/1/2026 | | |
| 3 | Masson Flood Bund RD 0-66+800 | 4-5/L | 31.5259960 | 72.342246 | شاہ جیونہ4-5/L | ایک عدد مکان | Removed | 7/1/2026 | | |
| 4 | Masson Flood Bund RD 0-66+800 | 4-5/L | 31.5254880 | 72.342981 | شاہ جیونہ4-5/L | دو عدد مکان | Removed | 7/1/2026 | | |
| 5 | Masson Flood Bund RD 0-66+800 | 4-5/L | 31.5254880 | 72.342981 | شاہ جیونہ4-5/L | دو عدد مکان | Removed | 7/1/2026 | | |
| 6 | Masson Flood Bund RD 0-66+800 | 4-5/L | 31.5254880 | 72.342981 | شاہ جیونہ4-5/L | ایک عددپکا مکان | Removed | 7/1/2026 | | |
| 7 | Masson Flood Bund RD 0-66+800 | 4-5/L | 31.5249850 | 72.343657 | شاہ جیونہ4-5/L | ایک عدد مکان | Removed | 7/1/2026 | | |
| 8 | Masson Flood Bund RD 0-66+800 | 4-5/L | 31.5249850 | 72.343657 | شاہ جیونہ4-5/L | موقع پر قبضیہ ایرا | Removed | 7/1/2026 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Masson Flood Bund RD 0-66+800 | 4-5/L | 31.5249850 | 72.343657 | شاہ جیونہ4-5/L | دو عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 10 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5246580 | 72.344049 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 11 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5246580 | 72.344049 | شاہ جیونہ5-6/L | کھوکھا | Removed | 7/1/2026 | Removed | No effect on River flow during flood |
| 12 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5246580 | 72.344049 | شاہ جیونہ5-6/L | کھوکھا | Removed | 7/1/2026 | | |
| 13 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5233180 | 72.346246 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 14 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5233180 | 72.346246 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 15 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5233180 | 72.346246 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 16 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5231690 | 72.346469 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 17 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5231690 | 72.346469 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان وسروس سٹیشن | Removed | 7/1/2026 | | |
| 18 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5231690 | 72.346469 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 19 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5221540 | 72.346818 | شاہ جیونہ5-6/L | دوعددوکان پختہ ورکشاب | Removed | 7/1/2026 | | |
| 20 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5221540 | 72.346818 | شاہ جیونہ5-6/L | دو عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 21 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5221540 | 72.346818 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | Removed | No effect on River flow during flood |
| 22 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5220260 | 72.347006 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 23 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5220260 | 72.347006 | شاہ جیونہ5-6/L | کھوکھا | Removed | 7/1/2026 | | |
| 24 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5220260 | 72.347006 | شاہ 5-6/R جیونہ | کھوکھا | Removed | 7/1/2026 | | |
| 25 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5220260 | 72.347006 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 26 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5215530 | 72.346335 | شاہ 5-6/R جیونہ | کھوکھا | Removed | 7/1/2026 | | |
| 27 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5213840 | 72.346102 | شاہ 5-6/R جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 28 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5209520 | 72.345627 | شاہ 5-6/R جیونہ | کھوکھا | Removed | 7/1/2026 | | |

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| 29 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5207100 | 72.345343 | شاہ 5-6/R جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 30 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5207100 | 72.345343 | شاہ 5-6/R جیونہ | ایک عدد دوکان سائیکل ورکس | Removed | 7/1/2026 | | |
| 31 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5202920 | 72.344933 | شاہ 5-6/R جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | Removed | No effect on River flow during flood |
| 32 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5202920 | 72.344933 | شاہ جیونہ5-6/L | دو عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 33 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5259550 | 72.342304 | شاہ جیونہ5-6/L | کھوکھا | Removed | 7/1/2026 | | |
| 34 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5249100 | 72.34375 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 35 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5249100 | 72.34375 | شاہ جیونہ5-6/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 36 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5249100 | 72.34375 | شاہ 5-6/R جیونہ | ایک عددکھوکھا | Removed | 7/1/2026 | | |
| 37 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5249100 | 72.34375 | شاہ 5-6/R جیونہ | ایک عددکھوکھا | Removed | 7/1/2026 | | |
| 38 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5246100 | 72.344091 | شاہ 5-6/R جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |

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| 39 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5233550 | 72.346205 | 5-6/R شاہ جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 40 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5233550 | 72.346205 | 5-6/R شاہ جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 41 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5233550 | 72.346835 | 5-6/R شاہ جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | Removed | No effect on River flow during flood |
| 42 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5180500 | 72.342573 | 5-6/R شاہ جیونہ | ایک عدد پختہ حجام | Removed | 7/1/2026 | | |
| 43 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5180500 | 72.342573 | 5-6/R شاہ جیونہ | ایک عدد پختہ ہوٹل | Removed | 7/1/2026 | | |
| 44 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5180500 | 72.342573 | 5-6/R شاہ جیونہ | ایک عدد پختہ دوکان ڈرائی کلینرز | Removed | 7/1/2026 | | |
| 45 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5165520 | 72.340999 | 5-6/R شاہ جیونہ | ایک عدد پختہ ہوٹل مٹھائی | Removed | 7/1/2026 | | |
| 46 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5165520 | 72.340999 | 5-6/R شاہ جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 47 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5165520 | 72.340999 | 5-6/R شاہ جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 48 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5165520 | 72.340999 | 5-6/R شاہ جیونہ | دو عدد پختہ دوکان | Removed | 7/1/2026 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 49 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5165520 | 72.340999 | شاہ 5-6/R جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 50 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5165520 | 72.340999 | شاہ 5-6/R جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 51 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5165520 | 72.340999 | شاہ 5-6/R جیونہ | ایک عددکھوکھا | Removed | 7/1/2026 | Removed | No effect on River flow during flood |
| 52 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5165520 | 72.340999 | شاہ 5-6/R جیونہ | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 53 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5156600 | 72.340098 | شاہ 5-6/R جیونہ | تین عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 54 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5156600 | 72.340098 | شاہ 5-6/R جیونہ | کھوکھا | Removed | 7/1/2026 | | |
| 55 | Masson Flood Bund RD 0-66+800 | 5-6/R | 31.5151550 | 72.339583 | شاہ 5-6/R جیونہ | ایک عدد کچی دوکان ہوٹل | Removed | 7/1/2026 | | |
| 56 | Masson Flood Bund RD 0-66+800 | 5-6/L | 31.5151550 | 72.339583 | شاہ جیونہ5-6/L | کھوکھا | Removed | 7/1/2026 | | |
| 57 | Masson Flood Bund RD 0-66+800 | 6-7/L | 31.4982940 | 72.325228 | شاہ جیونہ6-7/L | دو عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 58 | Masson Flood Bund RD 0-66+800 | 6-7/L | 31.4982940 | 72.325228 | شاہ جیونہ6-7/L | دو عدد پختہ دوکان | Removed | 7/1/2026 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 59 | Masson Flood Bund RD 0-66+800 | 6-7/L | 31.4982940 | 72.325228 | شاہ جیونہ6-7/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 60 | Masson Flood Bund RD 0-66+800 | 6-7/L | 31.4982940 | 72.325228 | شاہ جیونہ6-7/L | ایک عدد پختہ دوکان | Removed | 7/1/2026 | | |
| 61 | Masson Flood Bund RD 0-66+800 | 6-7/L | 31.4982940 | 72.325228 | شاہ جیونہ6-7/L | ایک عدد پختہ دوکان دودھ والا | Removed | 7/1/2026 | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 62 | Masson Flood Bund RD 0-66+800 | 9-10/L | 31.5091850 | 72.333595 | شاہ 9-10/L جیونہ | رائس ملز دیواری بمہ کنڈا | Not Removed | | | |
| 63 | Masson Flood Bund RD 0-66+800 | 11-12/L | 31.5091850 | 72.333595 | شاہ 11-12/L جیونہ | تین عددپختہ مکان | Not Removed | | | |
| 64 | Masson Flood Bund RD 0-66+800 | 15-16/L | 31.4979880 | 72.324983 | شاہ 15-16/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 65 | J-Head Spur No. 1 RD 16+500 of Masson Flood Bund | 0-1//L | 31.4979880 | 72.324983 | شاہ 0-1//L جیونہ | تین عددپختہ مکان | Not Removed | | | |
| 66 | J-Head Spur No. 1 RD 16+500 of Masson Flood Bund | 4-5/L | 31.4979880 | 72.324983 | شاہ جیونہ4-5/L | دو عددپختہ مکان | Not Removed | | | |
| 67 | Masson Flood Bund RD 0-66+800 | 0-1//L | 31.4979880 | 72.324983 | شاہ 0-1//L جیونہ | کھوکھا | Removed | 7/1/2026 | | |
| 68 | Masson Flood Bund RD 0-66+800 | 18-19/L | 31.4863437 | 72.316532 | شاہ 18-19/L جیونہ | تین عددپختہ مکان | Not Removed | | | |

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| 69 | Masson Flood Bund RD 0-66+800 | 19-20/L | 31.4863437 | 72.316532 | شاہ 19-20/L جیونہ | تین عددپختہ مکان | Not Removed | | | |
| 70 | Masson Flood Bund RD 0-66+800 | 19-20/L | 31.4863437 | 72.316532 | شاہ 19-20/L جیونہ | ایک عددمکان پختہ | Not Removed | | | |
| 71 | Masson Flood Bund RD 0-66+800 | 19-20/L | 31.4863437 | 72.316532 | شاہ 19-20/L جیونہ | پانچ عددپختہ مکان | Not Removed | | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 72 | Masson Flood Bund RD 0-66+800 | 19-20/L | 31.4863437 | 72.316532 | شاہ 19-20/L جیونہ | ایک عدد مکان | Removed | 7/1/2026 | | |
| 73 | Masson Flood Bund RD 0-66+800 | 19-20/L | 31.4863437 | 72.316532 | شاہ 19-20/L جیونہ | تین عدد پختہ مکان | Removed | 7/1/2026 | | |
| 74 | Masson Flood Bund RD 0-66+800 | 20-21/L | 31.4863437 | 72.316532 | شاہ 20-21/L جیونہ | تین عددپختہ مکان | Not Removed | | | |
| 75 | Masson Flood Bund RD 0-66+800 | 22-23/L | 31.4863437 | 72.316532 | شاہ 22-23/L جیونہ | ایک عددمکان پختہ | Not Removed | | | |
| 76 | Masson Flood Bund RD 0-66+800 | 23-24/L | 31.4747334 | 72.308923 | شاہ 23-24/L جیونہ | چار عددمکان پختہ | Not Removed | | | |
| 77 | Masson Flood Bund RD 0-66+800 | 23-24/L | 31.4747334 | 72.308923 | شاہ 23-24/L جیونہ | تین عددپختہ مکان | Not Removed | | | |
| 78 | Masson Flood Bund RD 0-66+800 | 23-24/L | 31.4747334 | 72.308923 | شاہ 23-24/L جیونہ | دو عددپختہ مکان | Not Removed | | | |

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| 79 | Masson Flood Bund RD 0-66+800 | 23-24/L | 31.4747334 | 72.308923 | شاہ جیونہ 23-24/L | چار عددمکان پختہ | Not Removed | | | |
| 80 | Masson Flood Bund RD 0-66+800 | 23-24/L | 31.4747334 | 72.308923 | شاہ جیونہ 23-24/L | دو عددپختہ مکان | Not Removed | | | |
| 81 | Masson Flood Bund RD 0-66+800 | 24-25/L | 31.4747334 | 72.308923 | شاہ جیونہ 24-25/L | دو عددپختہ مکان | Not Removed | | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 82 | Masson Flood Bund RD 0-66+800 | 24-25/L | 31.4747334 | 72.308923 | شاہ جیونہ 24-25/L | ایک عددمکان پختہ | Not Removed | | | |
| 83 | Masson Flood Bund RD 0-66+800 | 25-26/L | 31.4747334 | 72.308923 | شاہ جیونہ 25-26/L | دو عددپختہ مکان | Not Removed | | | |
| 84 | Masson Flood Bund RD 0-66+800 | 25-26/L | 31.4747334 | 72.308923 | شاہ جیونہ 25-26/L | ایک عددمکان پختہ | Not Removed | | | |
| 85 | Masson Flood Bund RD 0-66+800 | 26-27/L | 31.4747334 | 72.308923 | شاہ جیونہ 26-27/L | تین عددپختہ مکان | Not Removed | | | |
| 86 | Masson Flood Bund RD 0-66+800 | 27-28/L | 31.4608816 | 72.307312 | شاہ جیونہ 27-28/L | دو عددپختہ مکان | Not Removed | | | |
| 87 | Masson Flood Bund RD 0-66+800 | 27-28/L شاہ جیونہ | 31.4608816 | 72.307312 | شاہ جیونہ 27-28/L | ایک عددمکان پختہ | Not Removed | | | |
| 88 | Masson Flood Bund RD 0-66+800 | 28-29/L | 31.4608816 | 72.307312 | شاہ جیونہ 28-29/L | دو عددپختہ مکان | Not Removed | | | |

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| 89 | Masson Flood Bund RD 0-66+800 | 28-29/L | 31.4608816 | 72.307312 | شاہ جیونہ 28-29/L | دو عددپختہ مکان | Not Removed | | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 90 | Masson Flood Bund RD 0-66+800 | 41-42/L | 31.4405389 | 72.286082 | شاہ جیونہ 41-42/L | چار عددمکان پختہ | Not Removed | | | |
| 91 | Masson Flood Bund RD 0-66+800 | 41-42/L | 31.4405389 | 72.286082 | شاہ جیونہ 41-42/L | ایک عددمکان پختہ چاردیواری | Not Removed | | | |
| 92 | Masson Flood Bund RD 0-66+800 | 41-42/L | 31.4405389 | 72.286082 | شاہ جیونہ 41-42/L | دو عددپختہ مکان | Not Removed | | | |
| 93 | Masson Flood Bund RD 0-66+800 | 41-42/L | 31.4405389 | 72.286082 | شاہ جیونہ 41-42/L | دو عددپختہ مکان | Not Removed | | | |
| 94 | Masson Flood Bund RD 0-66+800 | 42-42/L | 31.4405389 | 72.286082 | شاہ جیونہ 42-42/L | دو عددپختہ مکان | Not Removed | | | |
| 95 | Masson Flood Bund RD 0-66+800 | 41-42/L | 31.4405389 | 72.286082 | شاہ جیونہ 41-42/L | دو عددپختہ مکان | Not Removed | | | |
| 96 | Masson Flood Bund RD 0-66+800 | 44-45/R | 31.4334650 | 72.277373 | شاہ جیونہ 44-45/R | ایک عددمکان پختہ | Not Removed | | | |
| 97 | Masson Flood Bund RD 0-66+800 | 45-46/L | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/L | دو عددپختہ مکان | Not Removed | | | |
| 98 | Masson Flood Bund RD 0-66+800 | 45-46/L | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/L | تین عددپختہ مکان | Not Removed | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 99 | Masson Flood Bund RD 0-66+800 | 45-46/L | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/L | تین عددپختہ مکان | Not Removed | | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 100 | Masson Flood Bund RD 0-66+800 | 45-46/L | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/L | دو عددپختہ مکان | Not Removed | | | |
| 101 | Masson Flood Bund RD 0-66+800 | 45-46/L | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/L | ایک عددمکان پختہ | Not Removed | | | |
| 102 | Masson Flood Bund RD 0-66+800 | 45-46/L | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/L | دو عددپختہ مکان | Not Removed | | | |
| 103 | Masson Flood Bund RD 0-66+800 | 45-46/L | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/L | ایک عددمکان پختہ | Not Removed | | | |
| 104 | Masson Flood Bund RD 0-66+800 | 45-46/L | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/L | پختہ چاردیواری | Not Removed | | | |
| 105 | Masson Flood Bund RD 0-66+800 | 45-46/R | 31.4334650 | 72.277373 | شاہ جیونہ 45-46/R | قبضہ صحن چاردیواری | Not Removed | | | |
| 106 | Masson Flood Bund RD 0-66+800 | 46-47/L | 31.4334650 | 72.277373 | شاہ جیونہ 46-47/L | ایک عددمکان پختہ | Not Removed | | | |
| 107 | Masson Flood Bund RD 0-66+800 | 46-47/L | 31.4334650 | 72.277373 | شاہ جیونہ 46-47/L | دو عددپختہ مکان | Not Removed | | | |
| 108 | Masson Flood Bund RD 0-66+800 | 46-47/L | 31.4334650 | 72.277373 | شاہ جیونہ 46-47/L | ایک عددمکان پختہ | Not Removed | | | |

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| 109 | Masson Flood Bund RD 0-66+800 | 46-47/L | 31.4334650 | 72.277373 | شاہ جیونہ 46-47/L | چار عددمکان پختہ | Not Removed | | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 110 | Masson Flood Bund RD 0-66+800 | 48-49/L | 31.4218150 | 72.269643 | شاہ جیونہ 48-49/L | دو عددپختہ مکان | Not Removed | | | |
| 111 | Masson Flood Bund RD 0-66+800 | 49-50/L | 31.4218150 | 72.269643 | شاہ جیونہ 49-50/L | تین عددپختہ مکان | Not Removed | | | |
| 112 | Masson Flood Bund RD 0-66+800 | 49-50/L | 31.4218150 | 72.269643 | شاہ جیونہ 49-50/L | ایک عددمکان پختہ | Not Removed | | | |
| 113 | Masson Flood Bund RD 0-66+800 | 49-50/L | 31.4218150 | 72.269643 | شاہ جیونہ 49-50/L | چار عددمکان پختہ | Not Removed | | | |
| 114 | Masson Flood Bund RD 0-66+800 | 49-50/L | 31.4218150 | 72.269643 | شاہ جیونہ 49-50/L | تین عددپختہ مکان, دو عددکچے مکان | Not Removed | | | |
| 115 | Masson Flood Bund RD 0-66+800 | 49-50/L | 31.4218150 | 72.269643 | شاہ جیونہ 49-50/L | دو عددپختہ مکان | Not Removed | | | |
| 116 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Not Removed | | | |
| 117 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Not Removed | | | |
| 118 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Not Removed | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 119 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 120 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 121 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 122 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 123 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 124 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 125 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 126 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 127 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | دو عددپختہ مکان | Not Removed | | | |
| 128 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ 50-51/L جیونہ | ایک عددمکان پختہ | Not Removed | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 129 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Not Removed | | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 130 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | ایک عددپختہ مکان | Removed | 7/1/2026 | | |
| 131 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Removed | 7/1/2026 | | |
| 132 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Removed | 7/1/2026 | | |
| 133 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Removed | 7/1/2026 | | |
| 134 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Removed | 7/1/2026 | | |
| 135 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | تین عددپختہ مکان | Removed | 7/1/2026 | | |
| 136 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | چار عددپختہ مکان | Removed | 7/1/2026 | | |
| 137 | Masson Flood Bund RD 0-66+800 | 50-51/L | 31.4218150 | 72.269643 | شاہ جیونہ 50-51/L | دو عددپختہ مکان | Removed | 7/1/2026 | | |
| 138 | Masson Flood Bund RD 0-66+800 | 51-52/L | 31.4218150 | 72.269643 | شاہ جیونہ 51-52/L | لکڑی آرا | Removed | 7/1/2026 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 139 | Masson Flood Bund RD 0-66+800 | 51-52/L | 31.4218150 | 72.269643 | شاہ جیونہ 51-52/L | دو عددپختہ مکان | Removed | 7/1/2026 | List of 69 No. Encroachments along Mason Flood Bund submitted to Deputy Commissioner, Jhang. | No effect on River flow during flood |
| 140 | Masson Flood Bund RD 0-66+800 | 51-52/L | 31.4218150 | 72.269643 | شاہ جیونہ 51-52/L | ایک عددپختہ مکان | Removed | 7/1/2026 | | |
| 141 | Masson Flood Bund RD 0-66+800 | 51-52/L | 31.4218150 | 72.269643 | شاہ جیونہ 51-52/L | دو عددپختہ مکان ، چاردیواری گیٹ | Removed | 7/1/2026 | | |
| 142 | Masson Flood Bund RD 0-66+800 | 51-52/L | 31.4218150 | 72.269643 | شاہ جیونہ 51-52/L | دو عددپختہ مکان | Removed | 7/1/2026 | | |
| 143 | Masson Flood Bund RD 0-66+800 | 51-52/L | 31.4218150 | 72.269643 | شاہ جیونہ 51-52/L | تین عددپختہ مکان خالی پلاٹ قبضہ | Removed | 7/1/2026 | | |
| 144 | Masson Flood Bund RD 0-66+800 | 52-53/L | 31.4087970 | 72.26149 | شاہ جیونہ 52-53/L | ایک عددمکان پختہ | Not Removed | | | |
| 145 | Masson Flood Bund RD 0-66+800 | 52-53/L | 31.4087970 | 72.26149 | شاہ جیونہ 52-53/L | ایک عدد پختہ مکان، ایک عددکچا مکان | Removed | 7/1/2026 | | |
| 146 | Masson Flood Bund RD 0-66+800 | 52-53/L | 31.4087970 | 72.26149 | شاہ جیونہ 52-53/L | ایک عددمکان پختہ | Not Removed | | | |
| 147 | Masson Flood Bund RD 0-66+800 | 53-54/L | 31.4087970 | 72.26149 | شاہ جیونہ 53-54/L | چاردیواری گیٹ | Removed | 7/1/2026 | | |
| 148 | Masson Flood Bund RD 0-66+800 | 54-55/L | 31.4087970 | 72.26149 | شاہ جیونہ 54-55/L | تین عددپختہ مکان | Removed | 7/1/2026 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 149 | Masson Flood Bund RD 0-66+800 | 55-56/L | 31.4465220 | 72.300292 | شاہ 55-56/L جیونہ | چار عددپختہ مکان | Removed | 7/1/2026 | | |
| 150 | Masson Flood Bund RD 0-66+800 | 55-56/L | 31.4436550 | 72.293082 | شاہ 55-56/L جیونہ | چار عددپختہ مکان | Removed | 7/1/2026 | | |
| 151 | Masson Flood Bund RD 0-66+800 | 55-56/L | 31.4432600 | 72.292094 | شاہ 55-56/L جیونہ | چار عددپختہ مکان | Removed | 7/1/2026 | | |
| 152 | Masson Flood Bund RD 0-66+800 | 64-65/L | 31.3909000 | 72.240181 | شاہ 64-65/L جیونہ | ایک عددمکان کچے | Not Removed | | | |
| 153 | Masson Flood Bund RD 0-66+800 | 64-65/L | 31.3909000 | 72.240181 | شاہ 64-65/L جیونہ | ایک عددمکان کچے | Not Removed | | | |

| Total No. of Encroachments | No. Of Encroachments Removed | Balance No. of Encroachments | Remarks |
|---|---|---|---|
| 153 | 84 | 69 | The list of encroachment submitted to the DC Jhang but so far could not be removed. |

## Detail of critical encroachment on flood structure

| Sr. No. | Total Encroachment | Removed | Remaining | Remarks |
|---|---|---|---|---|
| ---------- N I L ---------- | | | | |

## *Chapter-9*

## *Duty Roster/Flood Fighting Program*

## DUTY ROSTER/BATTLE STATIONS OF KEY PERSONNEL DURING HIGH FLOOD FLOW.

| Key Personal | Battle Stations | Canals | Sub Division. |
|---|---|---|---|
| **Executive Engineer Sargodha Division LJC, Sargodha shall supervise the flood camps along with SDOs Shahjewana & Sultanpur.**<br>XEN SGD 0300-0147499<br>SDO Shahjewana 0301-6799187<br>SDO Sultanpur 0301-4482384 | | | |
| Sub Engineer Sultanpur<br>**0301-7186502** | RD: 65-66 Sahiwal, at Lakhiwal Road | Sahiwal Disty: | Sultanpur |
| Sub Engineer Budhewala.<br>**0306-4587539** | RD: 29 Gondal Minor | Gondal Minor | Sultanpur |
| Sub Engineer Nurewala.<br>**0306-4587539** | RD: 107-108 at Canal Rest House Dhaulka | Nurewala Disty | Sultanpur |
| SDO Sultanpur<br>**0301-4482384** | Over all incharge | Nurewala Disty: | Sultanpur |
| Sub Engineer Mangowali<br>**0302-1153684** | RD: 160 | Naurang Disty: | Shahjewana |
| Sub Engineer Kariwala<br>**0300-0850142** | J-Head Spur No. 1 | Masson Flood Bund | Shahjewana |
| Sub Engineer Shahjewana<br>**0301-6799187** | J-Head Spur No. 2 | Masson Flood Bund | Shahjewana |
| SDO Shahjewana<br>**0300-6036742** | Over all incharge | Masson Flood Bund and J-Head Spur | Shahjewana |

## *Chapter-10*

## *Emergency Telephone No.*

| Sr.# | Name of Post & Designation | Telephone No. | |
|---|---|---|---|
| | | Office | Residence/Cell |
| 1 | Chief Engineer,<br>Sargodha Irrigation Zone Sargodha. | 048-9230445<br>Fax 048-9230414 | 048-9230451<br>0322-4486727 |
| 2 | Flood Emergency Officer/Executive Engineer (OP) Sargodha Irrigation Zone Sargodha. | 048-99230446<br>Fax 048-9230414 | 0321-1198672 |
| 3 | Chief Engineer,<br>Drainage and Flood Zone Lahore. | 042-99233551<br>Fax 042-99230731 | 0321-9485218 |
| 4 | Director Flood<br>Drainage and Flood Zone Lahore. | 042-99230282 Fax 35862081 | 0334-4669308 |
| 5 | Deputy Director Flood<br>Drainage and Flood Zone Lahore. | 042-99230282 | 0331-4432859 |
| 6 | Flood Warning Center Jail Road Lahore. | 042-99205371-2 | - |
| 7 | Superintending Engineer Lower Jhelum Canal Circle Sargodha. | 048-9230413<br>Fax 048-9230832 | 0333-6752753 |
| 8 | Superintending Engineer Drainage Circle Sargodha. | 048-9230450 | 0333-8161746 |
| 9 | Executive Engineer, Sargodha Division L.J.C, Sargodha. | 048-9230409<br>Fax 048-9230918 | 0300-0147499 |
| 10 | Executive Engineer, Kirana Division L.J.C, Sargodha. | 048-9230399 | 0300-6025902 |
| 11 | Executive Engineer, Shahpur Division L.J.C, Sargodha. | 048-9230447<br>Fax 048-9230836 | 048-9230003<br>0321-1198672 |
| 12 | Executive Engineer, Bhalwal Division L.J.C, Bhalwal. | 048-9230406 | 0300-6363739 |
| 13 | District Coordination Officer Sargodha. | 048-9230025<br>048-9230026 | 0301-6707300 |
| 14 | District Coordination Officer Jhang. | 047-625881 | 047-613300 |
| 15 | District Police Officer Sargodha. | 048-9230897 | 048-9230444 |
| 16 | District Police Officer Jhang | 047-9200445-46 | 047-6330023 |
| 17 | Executive Engineer, Drainage Division Sargodha. | 048-9230453 | 0300-8199708 |
| 18 | Incharge Vigilance Cell Irrigation & Power Department Punjab Lahore. | 042-9213157 | - |
| 19 | Telegraph Office Sargodha<br>(Flood Emergency Center Sargodha) | 048-9230408 | 048-9230408 |
| 20 | Sub Divisional Officer, Shahjewana Sub Division | - | 0300-6036742 |
| 21 | Sub Divisional Officer, Ara Sub Division | 048-9230918 | 0316-7105861 |
| 22 | Sub Divisional Officer, Sultanpur Sub Division. | - | 0301-4482384 |
| 23 | Sub Engineer Shahjewana Section At Shahjewana Rest House. | - | 0305-2499914 |
| 24 | Sub Engineer Sultanpur Section At Sultanpur Rest House. | - | 0301-7186502 |
| 25 | Sub Engineer, Mangowali Section | - | 0302-1153684 |
| 26 | Sub Engineer, Kariwala Section | - | 0300-0850142 |

# *Chapter-11*

***Standard operating procedure (SOP) for Breaching Sections***

***11.1 History of the breaching section***

***11.2 Location, Design, Quantity and Variety of the explosive required for detonation.***

***11.3 Arrangement of explosives and security of explosive stores***

***11.4 List of the security staff along with detail of their training etc***

***11.5 Detail of mechanical means as a standby arrangements in case of detonation failure***

***11.6 Duty Roster in case of critical situation***

***11.7 Breaching Committee with their action plan***

***11.8 List of the villages likely to be inundated in case of breach***

***11.9 Announcement and detail of evacuation arrangements***

***11.10 Details of coordination with Civil/Army Authorities***

***11.11 Parallel communication arrangements***

***11.12 Index Plan***

There is no Breaching Section in Sargodha Canal Division Sargodha. Hence actions mentioned from serial No. 11.1 to 11.12 are not applicable.

***Sub Divisional Officer,***
Shahjewana Sub Division L.J.C,
At Ramdana Rest House.

***Executive Engineer,***
Sargodha Division L.J.C,
Sargodha.

***Superintending Engineer,***
Lower Jhelum Canal Circle,
Sargodha.

***Chief Engineer,***
Sargodha Irrigation Zone,
Sargodha.

# FLOOD FIGHTING PLAN- 2026.

## PART – B

## *Chapter-12*

## *Vulnerable sites on Flood Bund/Structures:*

### *12.1 Apprehended breach sites in Flood Bunds/Structures*

There are following vulnerable sites along flood bunds in Sargodha Canal Division Sargodha.

| Sr. No. | Location | No. of sites |
|---|---|---|
| 1 | Masson Flood bund overtopping RD:13-17 Near Shahjewana town. | 01 No. |
| 2 | Between RD:28-33 Masson Flood Bund near village Sailaianwala Tehsil & District Jhang | 01 No. |
| 3 | Between RD 64-65 Embankment along Sahiwal Disty apposite Sahiwal Town District Sargodha. | 01 No. |

### *12.2 Operation of breaching section.*

There is no breaching section exist in this Division.

### *12.3 Breaches due to Rising of flood water, deterioration of flood bund etc.*

No Such.

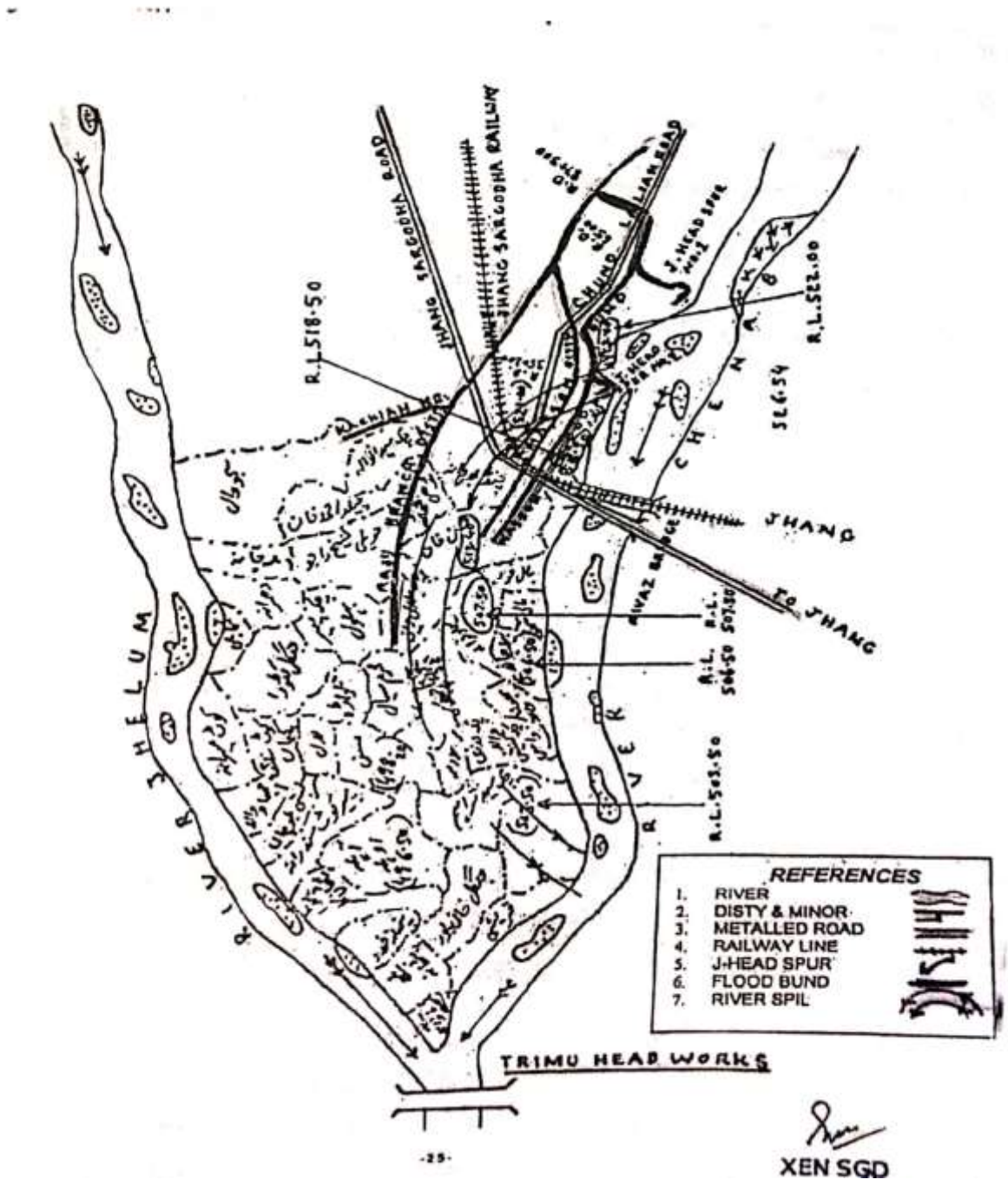
## *Chapter-13*

Emergency Contingency Plan for vulnerable sites (sites) listed above. Emergency Contingency Plan must include:-

### *13.1 Plan showing route of Flood Water coming out of the breach supported with levels.*

### Plan for site No. 01 (Between RD 13-17 & 28-33 Masson Flood Bund)

A plan showing the route of expected flood water coming out of mishap site between RD 13-17 & 28-33 Masson Flood Bund near Shahjewana Town in Tehsil & District Jhang is given as under:-



## *13.2 Detail of villages abadies likely to be affected and this should also be shown on the plan.*

The detail of 41 No. villages of Tehsil & District Jhang which are likely to be inundated has given as under;-

1)Kot Khan 2)Havali Dewan, 3)Chak Balo 4)Chan wala 5)Zinda Shah 6)Rajana 7)Chak Sayyadanwala 8)Jangle Katora 9)Sajhowal 10)Chund 11) Dharama 12)Hassn Khan 13)BudhiThatti 14)Hawd 15)Sheikh Raju 16)Kabli 17)KotBura 18)Chela Ahmad Khan 19)Dheraha 20)Sohra 21)Chak PirBahlol 22)Chak Jalal Din 23)Chak Sialanwali 24)Bali Nathu 25)Bal Kura 26)Bhela Chand 27)Bhon Wala 28)Chak Ganesh Das 29)Chak Darzi Wala 30)Medarisa 31)Masson 32)Mahram Sial 33)SajjarKelason 34)KotCangKhichian 35)Joho Wala 36)Lal 37)KotSirana 38)BastiBlochian 39)PirKotSidraha 40)Bela Butta Wala 41)Madarisa

## *13.3 Strategy and action taken be explained in detail. This may include.*

### *13.3.1 Arrangements*

The spilled out water will inundate the area on right side of Masson Flood Bund. The flood water will spread up in the adjoining area in a height of 3 ft to 4 ft range only. The RLs of the area are ranging from 518 to 503. This spilled out water however may cause damage to the Railway line, Sargodha-Jhang Pacca Road near Chund Railway Station, Government Schools, standing crops, private property like Kacha Houses / Deras and canal i.e. tail portion of Raju Branch Disty.

The spilled out water from breach site after crossing Railway Line and pacca road leading from Sargodha to Jhang will fall in the River Chenab again much D/S of Masson Flood Bund / Masson Disty near villages Bhonwala, Chak Darziwala, Chak Ghanish and Dheer Mona where RL are ranging from RL 506 to RL 503 and fall in the River Chenab.

The Incharge ***Sub Sector Sub Divisional Officer, Shahjewana Canal Sub Division*** and ***Deputy Collector Sargodha Canal Division Sargodha*** taking the cognizance of situation will make liaison with the civil administration and Police Department and also arrange the following;-.

1. Proclamation on loudspeakers etc for evacuation of abadies inside the route of flood water
2. Prepare maps for the area inundated and carry out immediate survey for damages to crops and other properties.
3. Flood Camps have been proposed to be established between RD 53-54 Masson Flood Bund at a high level near Jhang-Sargodha Pacca Road crossing to monitor the emergent flood situation. If any obstruction found coming in the way of flood water, it would be removed by deploying establishment and machines such like Tractors, Excavator Machines and Bulldozers as per situation prevailing at site. Efforts would be made that flood water may not stand in crops as well as abadies and to minimize the losses / damages and ultimately this flood water will fall again in the River Chenab in the shortest possible time.

4. Keep a close liaison with Civil Administration, Public Representatives, Army authorities and the Executive Engineer Sargodha Canal Division Sargodha. List of Phone numbers of above authorities have been mentioned in this flood fighting plan.

### *13.3.2 Establishment of Flood Fighting Camps.*

| Established Camps Details | | | | |
|---|---|---|---|---|
| **Sr. No.** | **Structure Name** | **Length (Miles)** | **Vulnerable sites** | |
| | | | **Reach** | **No. of Camps** |
| **1** | Masson Flood Bund RD 0+000 to RD 66+800 tail. | 13.36 | 13 -17<br>28-33 | 2 |
| **Total** | | | | **2** |

### *13.3.3 Duties of Officers/Officials and their camp sites*

| Key Personal | Battle Stations | Camp | Sub Division. |
|---|---|---|---|
| **Sub Engineer Kariwala Section**<br>**0300-085142** | Masson Flood Bund | RD 13-17 | Shahjewana |
| **Sub Engineer Shahjewana section**<br>**0301-6799187** | Masson Flood Bund | RD 28-33 | Shahjewana |
| **SDO Shahjewana Sub Division**<br>**0300-6036742** | Over all in charge of Masson Flood Bund and J-Head Spur No 1&2 | RD 13-17 & 28-33 | Shahjewana |

### *13.3.4 Departmental Machinery available*

There is no departmental machinery in control of Sargodha Canal Division Sargodha. However, in case of any emergency during flood season 2026, the Government Machinery / Bulldozers of Agricultural Engineering Department Division at Sargodha will be arranged.

### *13.3.5 Machinery available from Private Source*

If machinery is needed it will be arranged / hired from private source such as Tractors, Excavator Machine and these are easily available in this area.

## *13.3.6 Flood Fighting Material required*

| Sr. No. | Item | Unit | Total required Quantity | Available Quantity | Balance QTY | Remarks |
|---|---|---|---|---|---|---|
| 1 | Shouldari / tent | No | 02 | 0 | 02 | Material required at sites<br><br>1. Shahjewana Canal Rest House RD 98+000 of Masson Disty<br><br>**Subject to availability of funds, the materials shall be purchased before start of flood season 2026** |
| 2 | Chairs | No | 12 | 0 | 12 | |
| 3 | Tables | No | 02 | 0 | 02 | |
| 4 | Generators (2-3KVA) | No | 02 | 1 | 01 | |
| 5 | Pedestal Fans | No | 02 | 0 | 02 | |
| 6 | Charpois | No | 04 | 04 | - | |
| 7 | Sumbolic Jackets | No | 100 | 0 | 100 | |
| 8 | Polyethene Sheet | Kg | 200 | 0 | 200 | |
| 9 | Bamboos (4” dia and 10 ft long) | No | 200 | 0 | 200 | |
| 10 | Water cooler | No | 02 | 0 | 02 | |
| 11 | Portable umbrella | No | 04 | 0 | 04 | |
| 12 | Life Jackets | No | 10 | 0 | 10 | |
| 13 | Utensils (10 person serving) | No | 02 | 0 | 02 | |
| 14 | Jute / plastic Bags | No | 2000 | 500 | 1500 | |
| 15 | Walke Talkie Set | Sets | 04 | 0 | 04 | |
| 16 | Raincoats | No | 20 | 0 | 20 | |
| 17 | LED Flood Light | No | 20 | 0 | 20 | |
| 18 | Extension cable (10 ft) | No | 04 | 0 | 04 | |
| 19 | Rechargeable Torches | No | 40 | 0 | 40 | |
| 20 | Kassi | No | 40 | 25 | 15 | |
| 21 | Axes | No | 40 | 25 | 15 | |
| 22 | G.I Buckets | No | 10 | 10 | 0 | |
| 23 | 7/44 cable | Feet | 1000 | 0 | 1000 | |
| 24 | Sutli | Kg | 04 | 0 | 04 | |
| 25 | Sewing needles | No | 20 | 0 | 20 | |
| 26 | Emergency medical kit | No | 02 | 0 | 02 | |
| 27 | Wire crates (3x3x3) (at only those camp near river action and reserve stock exists) | No | 200 | 0 | 200 | |

## *13.3.7 Flood Fighting Material available*

Detail of flood fighting material available and stored at Shahjewana Canal Rest House at RD 98+000 of Masson Disty, & Sultanpur Canal Rest House at RD 0+000 of Sahiwal Disty is given as page No. 46 (Sr # 13.3.6)

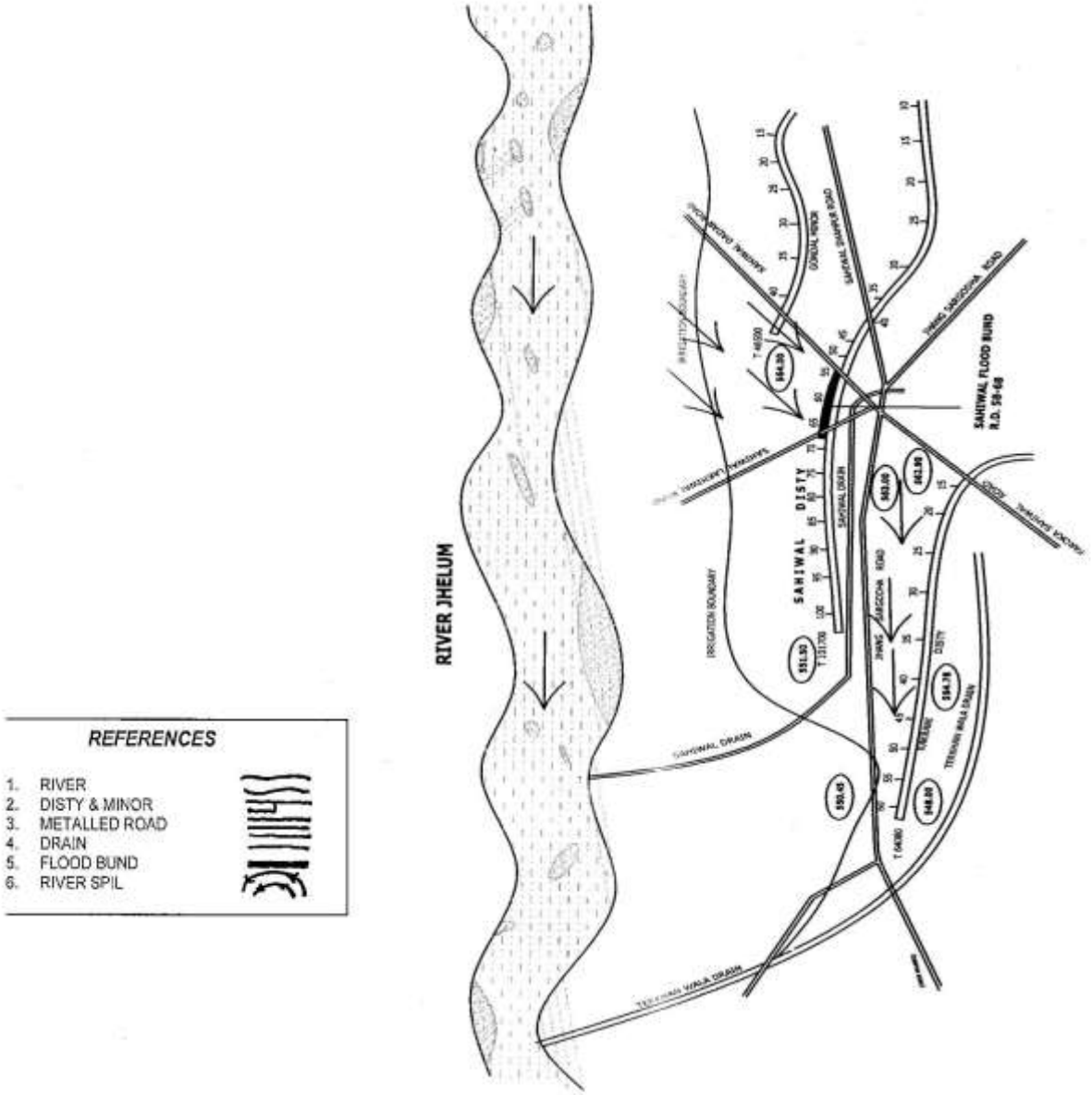
### *13.4 Detail of other infrastructure like electric, Sui Gas, Telephone installations, road network, other buildings, canals and drainage network.*

No such installations like Sui Gas and Telephone etc exist in the route of flood water from breach / mishap site. Breach water after passing through X-Drainage works already existing under the Railway track, Sargodha-Jhang Pacca Road near Chund Railway Station, Railway line, Schools, standing crops, private property like Kacha Houses / Deras and canal i.e. tail portion of Raju Branch Disty would be affected

## *13.1 Plan showing route of Flood Water coming out of the breach supported with levels.*

### *Plan for site No. 02*
### *(Between RD 64-65 Embankment along Sahiwal Disty)*

A plan showing the route of expected flood water coming out of mishap site Between RD 64-65 Embankment along Sahiwal Disty apposite Sahiwal Town District Sargodha is given as under:-



## *13.2 Detail of villages abadies likely to be affected and this should also be shown on the plan.*

The detail of 18 No. villages of Tehsil Sahiwal & District Sargodha which are likely to be inundated has given as under:-

1) Sahiwal 2) DhoolBala 3) Thatti Said Shamir 4) BugaBlocha 5) Sial Sharif 6) MohibPur 7) ToderPur 8) Meta 9) Salaka 10) Pohla 11) BuderBhon 12) ThattiSahbazada 13) Aki 14) Sheikh Jalil 15) Nehang 16) Fetha Wala 17) Jahania Shah 18) Nurewala

## *13.3 Strategy and action taken be explained in detail.This may include.*

### *13.3.1 Arrangements*

The spilled-out water will inundate the area on left side of Embankment along Sahiwal Disty starting from D/S of Main Sahiwal Town. The flood water will spread up in the adjoining area in a height of ranging from 04 ft to 05 ft height. The RLs of the area are ranging from 561.00 to 552.50. This spilled out water may inundate the adjoining agricultural lands located D/S of the Sahiwal Town, Sial Sharif Town, Nehang Town and other small abadies including higher Secondary Schools, Government Offices, Electric lines, Sargodha-Jhang Pacca Road near Sahiwal Town, standing crops, private property like Kacha Houses / Deras and canals i.e. the tail portion of Sahiwal and Kakrani Disty.

Flood water from breach site will flow parallel to Sahiwal drain and Sargodha-Jhang road. The flood water will over top the Sahiwal drain and also cross / over flow the Sargodha-Jhang road at some places. Finally it will fall in the Terkhanwala Drain much D/S of tail of Sahiwal Disty which carries the flood water again in the River Jhelum where RL are ranging from RL 552.50 to RL 545.85.

The In charge ***Subsector Sub Divisional Officer, Sultanpur Canal Sub Division*** and ***Deputy Collector Sargodha Canal Division Sargodha*** taking the cognizance of situation will make liaison with the civil administration and Police Department for necessary help and also arrange the following:-

1. Proclamation on loudspeakers etc for evacuation of abadies inside the route of flood water.
2. Prepare maps for the area inundated and carry out immediate survey for damages to crops and other properties.
3. Flood Camps have been proposed to be established between RD 65-68 Sahiwal Disty at a high level near Sahiwal to Lakhiwal Pacca Road to monitor the emergent flood situation. If any obstruction found coming in the way of flood water, it would be removed by deploying establishment and machines such like Tractors, Excavator Machines and Bulldozers as per situation prevailing at site. Efforts would be made that flood water may not stand in crops as well as abadies and to minimize the losses / damages and ultimately this flood water will fall again in the River Jhelum in the

shortest possible time.

4. Keep a close liaison with Civil Administration, Public Representatives, Army authorities and the Executive Engineer Sargodha Canal Division Sargodha. List of Phone numbers of above authorities have been mentioned in this flood fighting plan.

### *13.3.2 Establishment of Flood Fighting Camps.*

| Established Camps Details | | | | |
|---|---|---|---|---|
| **Sr. No.** | **Structure Name** | **Length (Miles)** | **Vulnerable sites** | |
| | | | **Reach** | **No. of Camps** |
| | | | | |
| **1** | Embankment along Sahiwal Disty RD 58+000 to RD 68+250/R | 2.05 | 64-65 | 1 |
| **Total** | | | | **1** |

### *13.3.3 Duties of Officers/Officials and their camp sites*

| Key Personal | Battle Stations | Location | Sub Division. |
|---|---|---|---|
| SDO Sultanpur **0301-4482384** | RD: 64-65 at Sahiwal, Lakhiwal Road and Over all incharge of flood fighting activities in Sultanpur Sub Division | Sahiwal Disty: | Sultanpur |

### *13.3.4 Departmental Machinery available*

There is no departmental machinery in control of Sargodha Canal Division Sargodha. However, in case of any emergency during flood season 2026, the Government Machinery / Bulldozers of Agricultural Engineering Department Punjab will be arranged.

### *13.3.5 Machinery available from Private Source*

If machinery is needed it will be arranged / hired from private source such as Tractors, Excavator Machine and these are easily available in this area.

## *13.3.6 Flood Fighting Material required*

***Material for site No. 02***
***(Between RD 64-65 Embankment along Sahiwal Disty)***

| Sr. No. | Item | Unit | Total required Quantity | Available Quantity | Balance QTY | Remarks |
|---|---|---|---|---|---|---|
| 1 | Shouldari / tent | No | 01 | 0 | 01 | Material required at sites<br><br>1. Sultanpur Canal Rest House RD 0+000of Sahiwal Disty:<br><br>**Subject to availability of funds, the materials shall be purchased before start of flood season 2026** |
| 2 | Chairs | No | 06 | 0 | 06 | |
| 3 | Tables | No | 01 | 0 | 01 | |
| 4 | Generators (2-3KVA) | No | 01 | 0 | 1 | |
| 5 | Pedestal Fans | No | 01 | 0 | 01 | |
| 6 | Charpois | No | 02 | 1 | 01 | |
| 7 | Sumbolic Jackets | No | 50 | 0 | 50 | |
| 8 | Polyethene Sheet | Kg | 100 | 0 | 100 | |
| 9 | Bamboos (4” dia and 10 ft long) | No | 100 | 0 | 100 | |
| 10 | Water cooler | No | 01 | 0 | 01 | |
| 11 | Portable umbrella | No | 02 | 0 | 02 | |
| 12 | Life Jackets | No | 05 | 0 | 05 | |
| 13 | Utensils (10 person serving) | No | 01 | 0 | 01 | |
| 14 | Jute / plastic Bags | No | 1000 | 0 | 1000 | |
| 15 | Walke Talkie Set | Sets | 02 | 0 | 02 | |
| 16 | Raincoats | No | 10 | 0 | 10 | |
| 17 | LED Flood Light | No | 10 | 0 | 10 | |
| 18 | Extension cable (10 ft) | No | 02 | 0 | 2 | |
| 19 | Rechargeable Torches | No | 20 | 0 | 20 | |
| 20 | Kassi | No | 20 | 0 | 20 | |
| 21 | Axes | No | 20 | 0 | 20 | |
| 22 | G.I Buckets | No | 05 | 0 | 5 | |
| 23 | 7/44 cable | Feet | 500 | 0 | 500 | |
| 24 | Sutli | Kg | 02 | 0 | 2 | |
| 25 | Sewing needles | No | 10 | 0 | 10 | |
| 26 | Emergency medical kit | No | 01 | 0 | 1 | |
| 27 | Wire crates (3x3x3) (at only those camp near river action and reserve stock exists) | No | 100 | 0 | 100 | |

## *13.3.7 Flood Fighting Material available*

Detail of flood fighting material available and stored at Shahjewana Canal Rest House at RD 98+000 of Masson Disty, & Sultanpur Canal Rest House at RD 0+000 of Sahiwal Disty is given as page No. 51 (Sr # 13.3.6)

## 13.4. *Detail of other infrastructure like electric, Sui Gas, Telephone installations, road network, other buildings, canals and drainage network.*

Infrastructures like Electric, Telephone installations, roads, Drains, canals networks and buildings etcexist in the route of flood water and likely to be affected by the flood. Detail of important towns and other infrastructures which could be damaged is given as under:-

1. Higher Secondary Boys & Girls Schools, High Schools, Primary Schools, Rural Health Centers, Electric lines, Telephone installations and other Government buildings located in villages or Union Councils Offices etc.

Following important towns will be affected partly by the spill of flood water:-

1. Sahiwal Town
2. Sial Sharif Town
3. Nehang

***Sub Divisional Officer,***
Sultanpur Sub Division L.J.C,
At Sultanpur Rest House.

***Executive Engineer,***
Sargodha Division L.J.C,
Sargodha.

***Superintending Engineer,***
Lower Jhelum Canal Circle,
Sargodha.

***Chief Engineer,***
Sargodha Irrigation Zone,
Sargodha.

# *Chapter-14*

# *Action Plan*

## 14.1 Reshifting/Recouping Plan of Reserve Stone Departmentally.

Reshifting of stone is not required as there is only one structure namely J-head Spur No. 1 and 2 of Masson Flood Bund where reserve stock of stone is proposed. With respect to recouping of reserved stone it will be purchased after calling tender before start of flood season 2026.

## 14.2 Detail of inlet/outlet crossing along with closing methodology

Following are the water course crossing on Masson flood bund in Sargodha canal division.

| Sr No. | RD of water course crossing | Closing Methodology |
|---|---|---|
| 01 | 112300/L | Water course crossing will be plugged through earth filled Gunny bags when required. |
| 02 | 120000/L | |
| 03 | 137567/L | |
| 04 | 138000/L | |
| 05 | 143354/L | |
| 06 | 149358/L | |
| 07 | 154330/TL | |

Following are the Road crossing on Masson flood bund in Sargodha canal division.

| Sr No. | RD of road crossing | Closing Methodology |
|---|---|---|
| 1 | 0-4 | 3 No crossing including Lalian chund Road |
| 2 | 4-7 | 3 No |
| 3 | 7-17 | 4 No |
| 4 | 17-35 | 3 No |
| 5 | 35-50 | 5 No including Railway Crossing |
| 6 | 50-66 | 6 No including Jhang -Sargodha Road |

Following are the water course crossing on Sahiwal flood bund in Sargodha canal division.

| Sr No. | RD of water course crossing | Closing Methodology |
|---|---|---|
| 01 | 60800/R | Water course crossing will be plugged through earth filled Gunny bags when required. |
| 02 | 64000/R | |
| 03 | 66000/R | |

# 14.3 DEPLOYMENT OF MACHINERY (NORMAL TO LOWFLOOD)

| Sr. No. | Structure Name | Length (Miles) | Excavators | Trolleys | Dumpers | Tractor with Front blade (1 per 15 miles) |
|---|---|---|---|---|---|---|
| 1 | Masson Flood Bund RD 0+000 to RD 66+800 tail. | 13.36 | S.E shall allow deputation of one (1) excavator & four (4) Trolleys during low flood at camps/vulnerable points & LMB / RMB. | | - | 1 |
| 2 | Embankment along Sahiwal Disty RD 58+000 to RD 68+250 / R | 2.05 | | | - | |
| Total | | | | | - | |

* Payment for machinery & work charge employees subject to verification by TPM/consultants.

# 14.4 DEPLOYMENT OF MACHINERY (MEDIUM TO HIGH FLOOD)

| Sr. No. | Structure Name | Length (Miles) | Excavators | Trolleys | Dumpers | Tractor with Front blade |
|---|---|---|---|---|---|---|
| | | | 1 per 7 mile reach | 4 per 7 mile reach | 2 per 7 mile reach | 1 per 7 mile reach |
| 1 | Masson Flood Bund RD 0+000 to RD 66+800 tail. | 13.36 | 2 | 8 | 4 | 2 |
| 2 | Embankment along Sahiwal Disty RD 58+000 to RD 68+250 / R | 2.05 | 1 | 1 | 1 | 1 |
| **Total** | | | **3** | **9** | **5** | **3** |

* Payment for machinery & work charge employees subject to verification by TPM/consultants.

# 14.5 DEPLOYMENT OF MACHINERY (VERY HIGH TO EXCEPTIONALLY HIGHFLOOD)

| Sr. No. | Structure Name | Length (Miles) | Excavators | | Trolleys | Dumpers | Tractor with Front blade | |
|---|---|---|---|---|---|---|---|---|
| | | | Very High Flood | Exp. High Flood | 4 per 5 mile reach | 2 per 5 mile reach | Very High Flood | Exp. High Flood |
| | | | 1 per 5 mile reach | 2 per 5 mile reach | | | 1 per 5 mile reach | 2 per 5 mile reach |
| **1** | Masson Flood Bund RD 0+000 to RD 66+800 tail. | 13.36 | 3 | 5 | 11 | 5 | 3 | 5 |
| **2** | Embankment along Sahiwal Disty RD 58+000 to RD 68+250 / R | 2.05 | 1 | 1 | 2 | 1 | 1 | 1 |
| **Total** | | | **4** | **6** | **13** | **6** | **4** | **6** |

* Payment for machinery & work charge employees subject to verification by TPM/consultants.

## 14.6 POLICE DEPLOYMENT PLAN

| Sr. # | Vulnerable sites used for illegal cuts during floods | Concerned Canal Division | Concerned Police Station and District | Police Persons Deployed | | Remarks (If any) |
|---|---|---|---|---|---|---|
| | | | | Inspector/Sub Inspector/A.S.I | Constable | |
| 1 | Between RD 31-35 Masson Flood Bund near village Alipur (Shahjewana Town) Tehsil & District Jhang | Sargodha Canal Division | Police Station Masson, District Jhang | ASI = 1 | 03 | - |
| 2 | Between RD 64-65 Embankment along Sahiwal Disty apposite Sahiwal Town District Sargodha. | Sargodha Canal Division | Police Station Sahiwal, District Sargodha | ASI = 1 | 02 | - |

## 14.7 DETAILS OF SYNTHETIC BAGS WITH CAPACITY OF 50 KG AND 100 KG (DURING MEDIUM TO HIGH FLOOD STAGE)

| Sr. No. | Name of structure | Length in mile | Vulnerable Reach | Camp Location0 | Site Incharge by name & cell No. | No. of Synthetic bags required | | Available | | Plastic Sheets (Sft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 50 kg | 100 kg | 50 kg | 100 kg | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **FLOOD BUND ALONG RIVER CHENAB** | | | | | | | | | | | |
| 1 | Masson Flood Bund RD 0+000 to RD 66+800 tail. | 13.36 | RD 33-34 | At RD 35+200 | Sub Engineer Shahjewana Section Waqar Shah. Cell No. 0301-6799187 | 50 | 10 | 0 | 0 | 0 | Not available at stock and will be procured in emergency. |
| **FLOOD BUND ALONG RIVER JHELUM** | | | | | | | | | | | |
| 2 | Embankment along Sahiwal Disty RD 58+000 to RD 68+250 / R | 2.05 | RD 65-66 | At RD 66 | Sub Engineer Sultanpur Section. Mansab. Cell No. 0301-7186502 | 25 | - | 0 | - | - | |

## 14.8 Details of polythene sheets of Black color to protect upstream slope against wave action and to control seepage through embankments.

| Item | Unit | Required | Available | Remarks |
|---|---|---|---|---|
| Polythene sheet black color | Per sft | 5000 | 0 | Not available at stock and will be procured in emergency |

## 14.9 Any other details as per SOPs approved by the administrative Department.

SOP shared vide No. SO(Floods)VII-22/2017, dated 26-12-2025 shall be strictly followed. (Copy Attached)

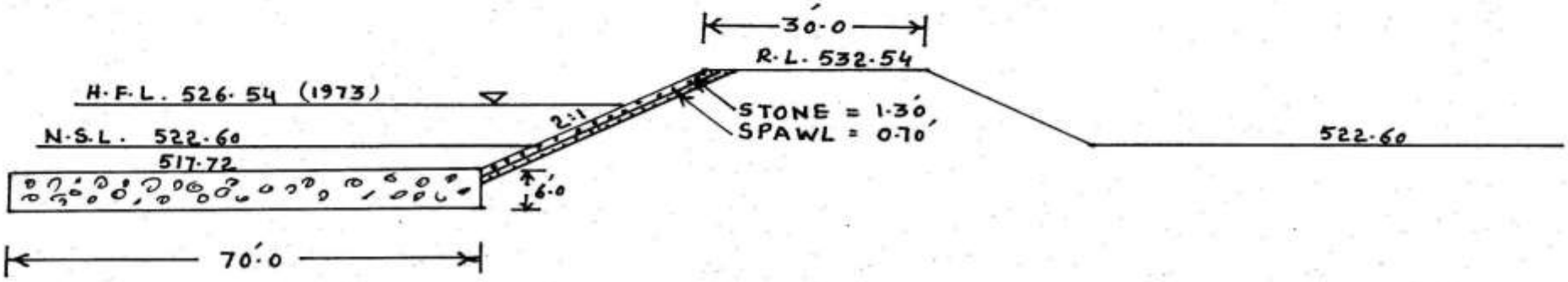
## *Chapter-15*

## Backup Divisions (In case of breach)

In case of breach or during emergency, ***Kirana Canal Division LJC, Sargodha*** and his field staff will act as sister Division.

## SARGODHA CANAL DIVISION SARGODHA.

### TYPICAL X-SECTION OF J-HEAD SPUR NO. 02 RD 35+200 OF MASSON FLOOD BUND SHOWING STONE PITCHED PORTION.



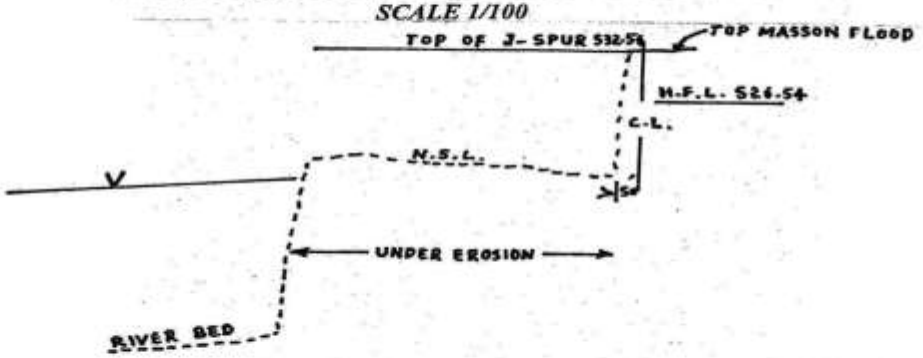

Total length of stone pitched portion = 1731 ft

***Sub Divisional Officer,***
Shahjewana Sub Division L.J.C,
At Ramdana Rest House.

***Executive Engineer,***
Sargodha Division L.J.C,
Sargodha.

# L-SECTION OF J-SPUR NO. 02 OFF TAKING FROM RD 35+200 MASSON FLOOD BUND

*SCALE 1/100*




DATUM 480.00

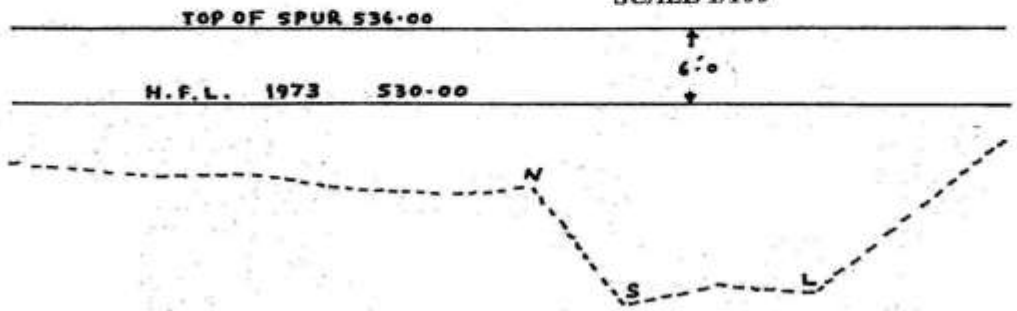
| | | |
|---|---|---|
| 6:0 | FREE BOARD | PROPOSED DATA |
| 1:2 | SIDE SLOPE | |
| 30 | TOP WIDTH | |
| 532.54 | TOP LEVEL | |
| 526.54 | H.F.L. | EXISTING DATA |
| 499.59 / 504.61 / 528.48 / 526.61 / 521.41 / 521.61 / 518.61 / 532.09 | N.S.L. | |
| 1350 / 1000 / 900 / 750 / 500 / 250 / 50 / 0 | R.D. | |

***Sub Divisional Officer,***
Shahjewana Sub Division L.J.C,
At Ramdana Rest House.

***Executive Engineer,***
Sargodha Division L.J.C,
Sargodha.

# L-SECTION OF J-SPUR NO. 01 RD 0-10385 OFF TAKING FROM RD 16+500 MASSON FLOOD BUND

*SCALE 1/100*




| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| + 2·5 THICK & OVER 0·75' TOP SPAWL. | | | | | | | | | | | PITCHING |
| + 1 : 2 | | | | | | | | | | + | SIDE SLOPE |
| + 30·00 | | | | | | | | | | + | TOP WIDTH |
| 536·00 | 536·00 | 536·00 | 536·00 | 536·00 | 536·00 | 536·00 | 536·00 | 536·00 | 536·00 | 536·00 | TOP LEVEL |
| 536·14 | 525·48 | 525·88 | 524·88 | 524·20 | 524·70 | 516·17 | 518·00 | 517·80 | 522·90 | 528·00 | N.S.L. |
| 10385 | 9000 | 8000 | 7000 | 6000 | 5000 | 4000 | 3000 | 2000 | 1000 | 0 | R.D. |

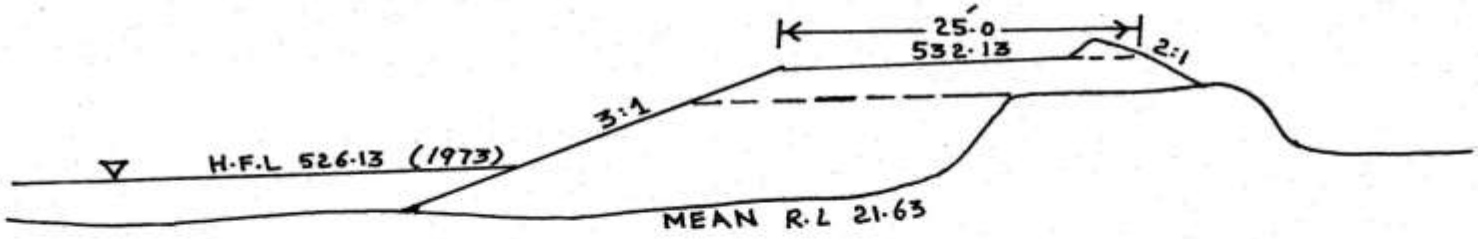
***Sub Divisional Officer,***
Shahjewana Sub Division L.J.C,
At Ramdana Rest House.

***Executive Engineer,***
Sargodha Division L.J.C,
Sargodha.

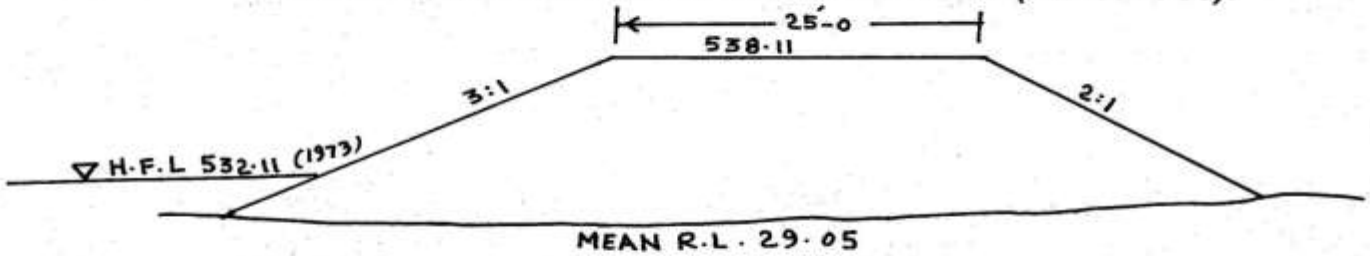
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## SARGODHA CANAL DIVISION SARGODHA.

### TYPICAL X-SECTION OF MASSON FLOOD BUND SHOWING LOCATION ALONG MASSON DISTY (RD 125+000).




### LOCATION AWAY FROM MASSON DISTY (RD 87+750).




***Sub Divisional Officer,***
Shahjewana Sub Division L.J.C,
At Ramdana Rest House.

***Executive Engineer,***
Sargodha Division L.J.C,
Sargodha.