PART – A

Chapter # 1:

Salient Features of Pasrur Link Division Sialkot

1.1 Location

Pasrur Link Division is located at DC Road in Sialkot City.

1.2 General Description

Pasrur Link Division, Sialkot is responsible for area falling between Chenab River and Ravi River. The area comes under sub humid zone and receives high precipitation. This area is not only affected by local rains but also receives flashy rainwater from across the Indo-Pak Border, which is sub mountainous region. The topography of area is that water flows along the natural slope. i.e. from North-East to South-West. District Sialkot and Narowal are the revenue boundary in this area. Both Districts are known due to their natural Nullahs namely, Palkhu, Aik, Deg, Basanter and Bein. Besides this, a number of natural Nullahs also receive flashy water from across border i.e. occupied Jammu & Kashmir and create flood problems. These Nullahs are Neelwah, Dugri, Hasri, Ugh, Budhi, Turnah, Nikki Deg etc.

Marala Ravi Link Canal off-takes from Marala Head works situated on the Chenab River at about 15 miles north of Sialkot and extends in a southern direction towards its out-fall in Ravi River near Baddomalhi Town. The said natural Nullahs intercept canal (as shown in the index plan attached) at a number of places where cross drainage facilities have been provided. The water after crossing MR Link through cross drainage works inundates area between UCC and BRBD Link Canal. Alarming condition is also faced along left bank of UCC and BRBD Link. The dangerous reaches along MR Link and BRBD Link are those where the cuts in past have been observed. The Sub Divisional Officer, Goraya Sub Division, Daska is responsible for the safety of BRBD Link Canal from RD 0+500 to RD 178+000. The Sub Engineers are responsible to operate inlets if water level in e canal allows floodwater to enter in the canal.

Marala Ravi Link Canal (RD 7+100 to RD 317+315 tail), Sub Link from (RD 0 to 11+600 tail), BRBD Link Canal (RD 0+500 to RD 178+000) and Flood embankments along Deg Nullah, Aik Nullah and Palkhu Nullah within boundary of District Sialkot, Narrowal, fall under the jurisdiction of Pasrur Link Division Sialkot.

Executive Engineer, being overall in-charge of Pasrur Link Division with headquarter at Sialkot, is responsible to look after all canals and flood bunds in his jurisdiction of Sheikhupura, Narowal and Sialkot Districts. Executive Engineer of this Division has overall control with the following controlling officer:

SR. NO.	NAME AND DESIGNATION OF OFFICER	HEADQUARTER	TELEPHONE NO
1	Abdul Rehman Sub Divisional Officer, Rawal Link Sub Division Sialkot	Sialkot	0344-6399447
2	Sajjad Bajwa Sub Divisional Officer, Baddomalhi Link Sub Division Deg Rest House	RD 220+122 MR Link Canal Deg Rest House	0345-6830064
3	Ali Ahsan Sub Divisional Officer, Goraya Sub Division Daska	R.D. 19 + 786 / L BRBD Link Canal at Daska	0307-7359437

The jurisdictions of Sub Divisional Officers are as under:

RAWAL LINK SUB DIVISION SIALKOT

Sub Divisional Officer is in-charge of MR Link Canal from RD.7+100 to RD.133+600. Flood protection works along Aik Nullah naming, City Flood Protection Bund, Hajipura Flood Protection Bund and Mallah Chak Flood Protection Bund also fall under the jurisdiction of Rawal Link Sub Division. These bunds have been constructed for the protection of Sialkot City and several thickly populated villages against the heavy discharge and spills of Aik Nullah passing through Sialkot City. in addition to this Sub Divisional Officer Rawal Link Sub Division will also look after flood protection bunds along Deg Nullah from Defense Embankment to Kingra Road and Kingra Road to Choor Bridge for protection of villages in Tehsil Pasrur i.e. Hanjli, Mehtab, Chatoke, Kotli Peakan, Kotli Choor, Tharo Mandi, Dheroke, Sehowal etc. Sub Engineers attached with this Sub Division, showing their camp sites during flood season are as under:

SR. NO.	DESIGNATION	RESPONSIBLE FOR	SITE OF CAMP DURING FLOOD SEASON	Additional Duties
1	Sub Engineer Marala Section	RD 7-50 / M.R. Link	Inlet RD 46/L M.R. Link	-
2	Sub Engineer Colony Section	RD 50- 75 / M.R. Link	RD 52-53/L M.R. Link (Sialkot Wazir abad Road)	Palkhu Nullah & Pathanwali Drain
3	Sub Engineer RD 114 Section	RD 75-134 / M.R. Link	RD 114/R M.R. Link (Jamke Rest House)	Aik Nullah M.R Link to Sialkot Daska Road Bridge
4	Sub Engineer Aik Section	City Flood Bunds, Mallaha Chak Flood Bund and Hajipura Bund Aik Nullah R.D 97+000 TO LOC	Sialkot Daska Road Bridge RD.132+500 Aik Nullah	Assist Sub Engineer, Colony Section

BADDOMALHI LINK SUB DIVISION DEG REST HOUSE

The Sub Divisional Officer is in-charge of MR Link Canal from RD 133+600 to RD 317+315 (Outfall), M.R. Link off taking channels from RD.220+122 to RD.302+495 along with their allied Flood Embankments.

This Sub Division looks after left and right marginal Bunds along Deg Nullah in a length of 7.76 miles constructed for the protection of Deg Super passage at RD 220+122/M.R. Link, flood protection bunds from Dhir Pir Muhammad to Chak Raja. This Sub Division deals with maintenance and the regulation of M.R. Sub Link to feed BRBD Link during keen demand.

Sub Engineers are deputed to look after the canal where spill of Deg Nullah accumulates along M.R. Link between RD 134+500/L to RD 295+000/L causing breaches or deliberate cuts in the bank of canal. Sub Engineers attached with this Sub Division showing their camp sites during flood season are as under:

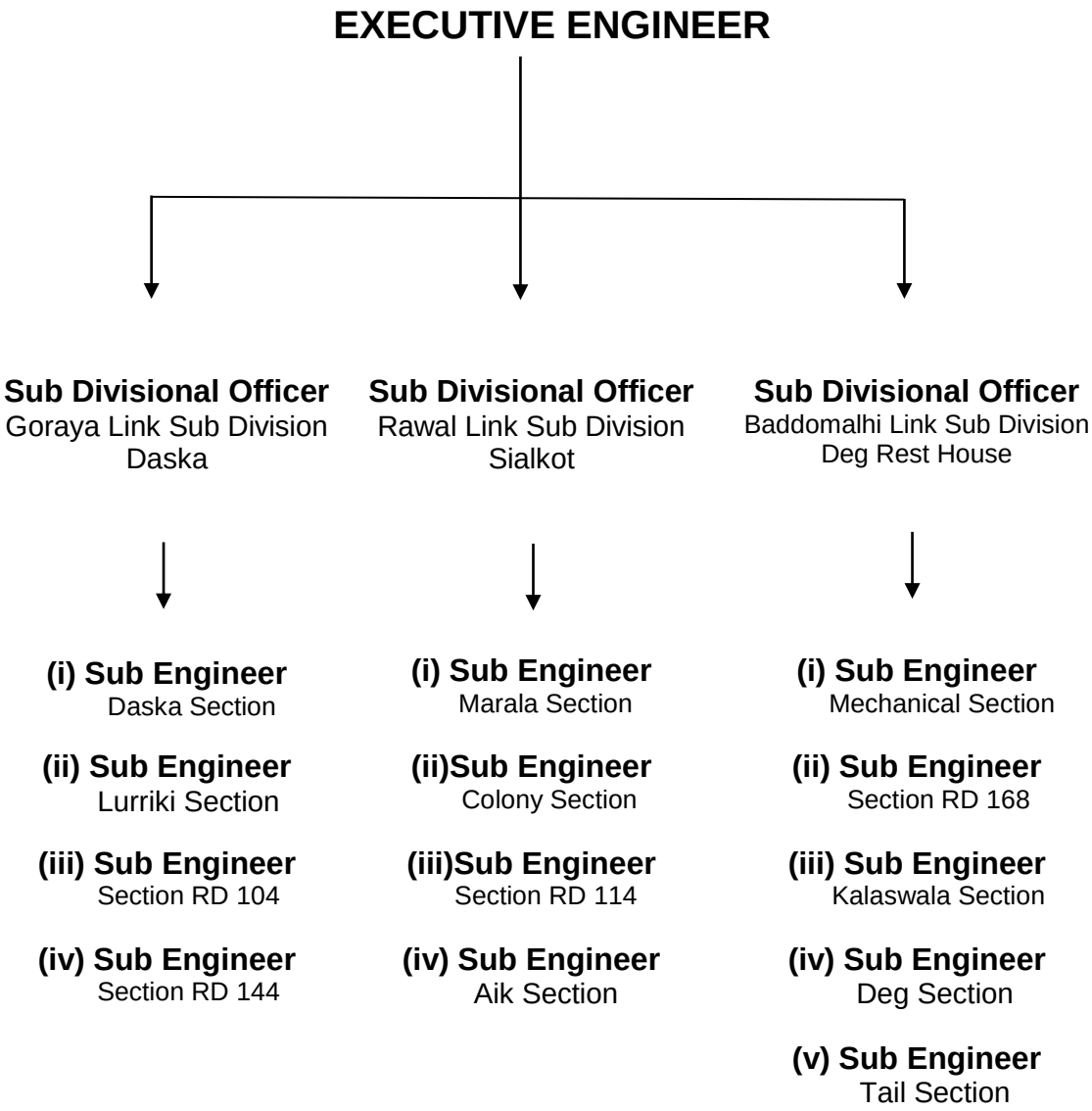
SR. NO	DESIGNATION	RESPONSIBLE FOR	SITE OF CAMP DURING FLOOD SEASON
1	Sub Engineer RD 168 Section	RD 134- 173 M.R. Link	RD 168/R M.R.Link Escape of M.R. Link (Kotli Bawa Faqir Chand)
2	Sub Engineer Kalaswala Section	RD 173-220 M.R. Link	RD 173-174/R M.R. Link (Ban Bajwa, Tehsil Pasrur)
3	Sub Engineer Deg Section	RD 220-265 M.R. Link, Left and Left and Right Marginal Bunds along Deg Nullah	RD 220+122/L M.R. Link Deg Rest House
4	Sub Engineer Tail Section	RD 265- 317+315 / M.R. Link and M.R. Sub Link (Head to Tail)	RD 302/R M.R. Link (Fall / Regulation point of M.R. Sub Link)

GORAYA SUB DIVISION DASKA

This Sub Divisional Officer is in-charge of BRBD Link Canal from RD 0+500 to RD178+000 with his Headquarter at its RD.20/L Daska. Inlets have been constructed at RD 17-18/L, 25-26/L and RD 100-101/L to drain out flood water accumulated along left bank of BRBD Link. Hasri Nullahs I and II cross BRBD Link Canal through Syphons of capacity 5000 cusec and 2500 cusec at RD 85+500 and RD 86+040 respectively. Deg Super passage having 12000 cusec discharging capacity exists at RD 104+333 of BRBD Link Canal for Deg Nullah crossing. Every year there is a lot of hue and cry from the inhabitants of Daska City as water accumulates in city during heavy rains. The people cut the left bank of BRBD Link canal despite the fact that Canal is reduced and inlets are opened. The Sub Engineers attached with this Sub Division with their headquarters are as under:

SR. #.	DESIGNATION	RESPONSIBLE FOR	SITE OF CAMP DURING FLOOD SEASON
1	Sub Engineer Daska Section	RD 0-50 / BRBD Link	RD 20 BRBD Link (Sialkot-Gujranwala Road)
2	Sub Engineer Lurrike Section	RD 50- 90 / BRBD Link	RD 50 BRBD Link
3	Sub Engineer RD 104 Section	RD 90-131 / BRBD Link	RD 104 BRBD Link
4	Sub Engineer RD 144 Section	RD 131- 178 / BRBD Link	RD 166/R BRBD Link

1.3 ADMINISTRATIVE SETUP



Chapter # 2:

Flood Protection and River Training Works.

2.1 Data of Flood Bunds/Embankments along Drains/Nullahs in Pasrur Link Division, Sialkot

Sr. #	Name of Channel / Nullah with Location	Length (Miles)	Year of Construction	Top width (Ft)	Side Slope	
					Inner	Outer
Flood Protection Along Deg Nullah						
1	Left Marginal Bund along Deg Nullah R.D.0-20700	4.14	1959	20.0	3:1	2:1
2	Right Marginal Bund along Deg Nullah R.D.0-18100	3.62	1959	20.0	3:1	2:1
Flood Protection Bunds along Aik Nullah						
1	City Flood Protection Bund along Aik Nullah R.D.0-7340	1.47	1964	10.0	3:1	2:1
2	Mallah Chak Flood Protection Bund along Aik Nullah R.D.0-31500	6.30	1984	20.0	3:1	2:1
3	Haji Pura Flood Protection Bund along Aik Nullah R.D.3900-12500	1.72	1984	5.0	3:1	Pacca Wall

2.2 LOCATION MAP

Chapter # 3:

BRIEF HISTORY OF PAST FLOOD EVENTS

FLOOD 2007:

The left flood bund of Deg Nullah washed in reach RD 4500-5400 and a ring bund was constructed for passage of flood to save further damage. The winter rains also played havoc as gauge rose to 6.5 ft on13-3-2007, 14-3-2007 and also on 21-3-2007. Some damages were also restored on nose of spur RD 4500. During moon soon 2007, there were small freshets of low flood intensity in Deg and Aik Nullah, which passed safely without causing any damage to infrastructures in area.

FLOOD 2008:

During 2008, flood bunds along Deg Nullah U/S Kingra Bridge were badly damaged. Flood fighting was carried out by Department successfully to save adjoining villages, abadies and other infrastructures in area. For most damaged and critical reaches, a work namely “Repairing flood bund along Deg Nullah U/S Kingra Bridge” was executed for safety of the people and properties of adjoining villages.

FLOOD 2009:

During flood season 2009, abnormal flood was received in Deg Nullah with high magnitude velocity. The duration of high flood was also more than 18 hours. These longer duration and high velocity attacked bunds in different reaches. Flood fighting was carried out by the department successfully to save bunds, adjoining villages and other infrastructures in the area. For damaged & critical reaches, the works namely “strengthening left flood protection bund u/s Kingra bridge RD.7+000 to 8+500/R repairing flood protection bund RD.1+800 to 2+500/R” was takenup for safety of people and properties of adjoining villages as well as government infrastructures i.e. Bridges culverts roads, schools, etc.

FLOODS 2010:

During third & fourth week of July 2010, Heavy rainfalls occurred in Jammu & Kashmir which caused frequent freshet in Deg Nullah. On 22.07.2010, a freshet of High magnitude of about **42000 Cs** passed through Deg Nullah. The stream of flow changed its behavior abruptly and hit left Flood Embankment between reach R.D. 8+000 to 10+000 which was checked by using sand bags and Bamboos for support of sand bangs against slipping. The situation maintained till 05.08.2010.

On 06.08.2010, a freshet having discharge magnitude of about 40000 to 42000 Cs occurred in morning hours at 08:30 AM and attacked severely on eroded bank in reach RD 8+000 to 9+000. The duration of peak spanned up to 30 hours. Due to abrupt change in flow behavior of Deg Nullah, velocity of flood water as experienced was 10-12 ft / sec.

FLOODS 2011:

During month July & August 2011, heavy rainfalls occurred in Jammu & Kashmir which caused frequent freshet of magnitude ranges 10000Cs to 22000Cs on 07/07/2011, 14/07/2011, 21/07/2011 and 25/07/2011 in Deg Nullah. The stream of flow hit left Flood Embankment between Spurs which was controlled by using sand bags and Bamboos for support of sand bags against slipping. The situation continued till 10/08/2011.

On 12.08.2011, a freshet of High magnitude of about 30000 Cs recorded and attacked severely on shank and mole head Spurs No. 3 & 4. The stone aprons of Spurs were launched during freshets which were restored later on.

FLOODS 2012:

During month August 2012, heavy rain falls occurred in Jammu & Kashmir which caused frequent freshet of magnitude ranges 10000Cs to 21000Cs on 01/08/2012 and 24/08/2012 in Deg Nullah. The stream of flow changed its course from left flood embankment to its old creeks due to construction of 04 Nos, Spurs in reach RD 7+500 to 9+500.

FLOODS 2013:

During July – August 2013, Heavy rainfalls were occurred which caused frequent freshet in Deg and Aik Nullah. On 20/07/2013, 02/08/2013 & 09/08/2013, a freshet of High magnitude of about 26889, 26889 & 29783 Cs passed through Deg Nullah. On 20/07/2013, 15/08/2013 & 16/08/2013, a freshet having discharge magnitude of about 33024, 40711 & 40711 Cs passed through Aik Nullah. The spill water accumulated along left bank of MR Link Canal RD 104+000 to RD 305+000/L & BRBD Link Canal RD 10+000 to 111+000/L.

Flood resulted due to heavy rain fall in catchment areas of Nullahs in India occupied Jammu & Kashmir. The water spilt out from e banks of these Nullahs. This water hit MR Link Canal on left bank. A part of this water passed through syphons and inlets upto their design capacities and balance was accumulated along left banks, there by

damaging the crops, properties and even human lives. This inundation urged inhabitants to cut bank of canal at their own. This event was reported when this water touches BRBD Link Canal on its left bank.

FLOODS 2014:

During the month of September 2014, heavy rainfalls occurred which caused frequent freshet in Deg and Aik Nullah. On 05/09/2014 & 06/09/2014 a freshet of High magnitude of about 75102 Cs passed through Deg Nullah. On 05/09/2014 & 06/09/2014 and a freshet having discharge magnitude of about 25296 & 44386 Cs passed through Aik Nullah. The spill water accumulated along left bank of MR Link Canal RD 117+000 to RD 304+000/L & BRBD Link Canal RD 10+000 to 164+000/L. The farmers of area made cuts from RD.117+000 to RD 304+000/L of MR Link Canal and RD 10+000 to 164+000/L of BRBD Link Canal for the drain off flood / rain water into Canals.

FLOOD 2015:

A heavy rainfall spell in catchment area of Deg Nullah started in 2nd week of July 2015 and flow began to increase gradually. The flood having high magnitude about 33329 Cs on 10.07.2015 in Deg Nullah was recorded.

Due to meandering action of flow in Nullah, erosion along left embankment between RD. 11+600 to 11+950 started due to parallel flow in some length. The magnitude and velocity was too high that hit spur RD. 7+000/L and launched/damaged apron of said spur.

Afterwards, flood water at U/S Hanjli Bridge, caused launching /damaging pitching and apron of flood protection bund and guide bank of bridge which was protected by dumping of stone on war footed basis.

FLOOD 2016:

Exceptionally high flood of about 38127 Cs passed through Aik Nullah on 27-07-2016 at 09:00 P.M. The discharge at Ura bridge was 596 Cs on 27-07-2016 at 02:00 P.M, gauge abruptly rose 16 ft within 4 hours and discharge passed through Nullah was 28651 Cs at 06:00 P.M against the capacity of 25000 Cs. In next 3 hours, discharge in Aik Nullah rose to 38127 Cs at 09:00 P.M. and became into exceptionally high flood, resultantly the Nullah over topped in some reaches and breached at R.D 149+500/L in city area.

A parallel flow along right side on Haji Pura flood Protection Bund was observed during exceptionally high flood and eroded some patches of protection

wall. The erosion occurred at R.D 135-136 resultantly brick wall in a length of 130 ft on Haji Pura Bund was collapsed.

A series of breaches occurred D/S Daska Road Bridge where work was not taken up due to complication of land issue.

Similarly freshet of high magnitude of about 35102 Cs passed through Deg Nullah on 27.07.2016 at 07:00 PM. The freshet safely passed upto Choor Bridge but breaches occurred on left side on D/S Choor bridge. The water accumulated along left bank of M.R Link Canal and a part of this water passed through syphons and inlets upto design capacity. Resultantly, spilled water accumulated along left bank of BRBD Link Canal at RD.92+000 to 120+000 after passing through M.R Link Canal. All inlets were opened and operational on 27.07.2016 before receiving of flood.

FLOOD 2017 ON AIK NULLAH:

Aik Nullah is widened upto 160 ft and banks are constructed on both sides of Nullah upto Bridge RD.102+990 which is also to be widened under Flood Protection of Sialkot Against Aik & Palkhu Nullah project. There is a gap of about 100 ft on left side of under construction embankment due to the graveyard of Christian community. On 1st August, 2017, flood was received in Aik Nullah at mentioned point i.e. RD.103+000 and water spilled through this gap. the spilled water flowed along periphery of village Ismail Awan and will ultimately opted its natural route and crossed siphon of MR Link. No damages were observed at site.

FLOOD 2017 ON DEG NULLAH:

During flood 2017, the situation of Deg Nullah remained normal and maximum discharge recorded at Kingra road Bridge was 21597 Cs on 09-08-2017.

During the first week of September 2017, heavy rainfalls occurred in occupied Kashmir and upper & Northern parts of Punjab, resultantly collision of monsoon and western seasonal low pressure coming from Behra-e-Arab, caused frequent freshets in Deg Nullah on 01-09-2017. A freshet having magnitude of about 17233 Cs observed in Deg Nullah. The stream of flow changed its behavior abruptly and hitted main embankment on right side in between RD.5+000 to 6+000 U/S Choor Bridge and eroded the Nullah side slope of Bank upto top edge in length of 300 ft which was protected by launching trees and sand bags to safe the abadies i.e. village Jatoke & Kotli etc agricultural land, infrastructures and matured valuable crops as temporary solution.

FLOOD 2017 ON PALKHU NULLAH:

The Palkhu is a natural Nullah which originates from hilly catchment area across border and enters in Pakistan territory from occupied Jammu & Kashmir near Vains village in East of Sialkot city. The design Discharge of Nullah was 1000 Cs, but maximum observed Discharge on 06-09-2014 was 3031 Cs. During flood 2017 maximum recorded discharge was 3070 Cs on 02-08-2017. ADP scheme namely “flood protection of Sialkot against Aik & Palkhu Nullah” is in progress. Flood water overtopped between RD.216-217/L but controlled on same day. No significant loss was observed in any kind.

FLOOD 2018 IN DEG NULLAH:

On 30-06-2018, a freshet having magnitude of about 6848 Cs was observed in Deg Nullah. The flood water hit main embankment on right side and started eroding the site which was protected by dumping stone from reserve stock of stone after getting approval from the competent authority on war footing basis to save the abadies i.e. village Jatoke & Kotli etc agricultural land infrastructures. Keeping in view above situation, construction of three 3 No. spurs for protecting site were approved and constructed at site.

Flood 2019 IN DEG NULLAH:

A freshet of 12200 Cs hit Right embankment of Deg Nullah RD. 5-6 Right on 17-08-2019 and caused serious erosion between spur No. 1 and 2. The flood fighting was done by launching of trees bamboos and plastic bags to save embankment.

FLOOD 2020 IN PALKHU NULLAH

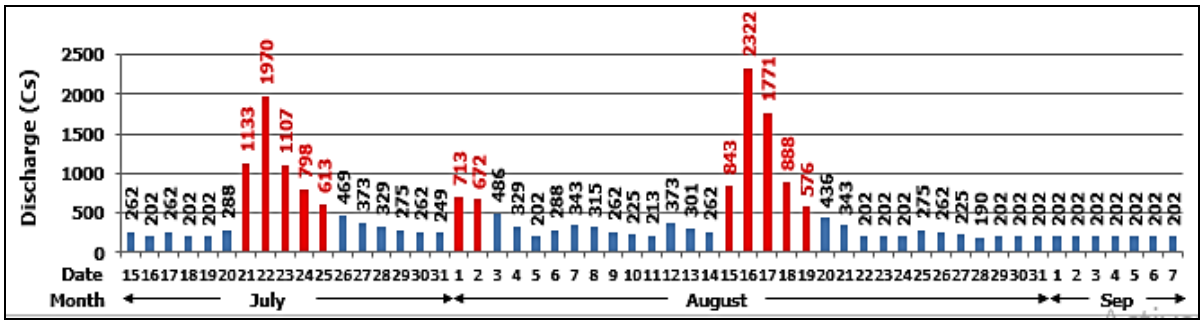
A freshet of 4525 Cs was observed on 28-08-2020 hit Right bank at RD. 222+300 /R and breach occurred. Flood Fighting was done by bamboos, plastic bags, corrugated sheets and strengthen of breach site by deploying machinery through earth fill.

FLOOD 2021 IN DEG NULLAH

A freshet of 29783 Cs was hit right embankment of Deg Nullah RD 7+000 & RD 11+000 and caused serious erosion.

FLOOD 2022 IN PALKHU NULLAH

During current flood season heavy rainfalls in catchment area of Palkhu Nullah caused frequent freshets as detailed (refer-1) below:



(refer-1)

It has been observed that flood water was taken duration about 5 days for subside upto flood limits. Due to these long duration flow of flood water it also carry huge quantum of trash material / floating booti deposited U/S of structures which caused while smooth flow of flood water. Resultantly, flood water heading up and over flow from different reaches i.e. **(i)** RD 212+000/R, **(ii)** D/S Bridge at RD 210+800/R, **(iii)** Between RD 207-208/R, **(iv)** U/S Bridge at RD 216+000/L, **(v)** Between RD 137-138/R and **(vi)** U/S Bridge RD 116+228/L&R which were timely controlled through already deployed machinery and protected the adjoining abides as well as government infrastructures.

FLOOD 2022 IN DEG NULLAH

During flood season 2022, heavy rainfalls in catchment area of Deg Nullah caused frequent freshets as detailed below:

Sr. No.	Freshet Date	Discharge (Cs)
1-	03-07-2022	3025
2-	06-07-2022	1100
3-	11-07-2022	1100
4-	14-07-2022	880
5-	20-07-2022	880
6-	21-07-2022	3554
7-	30-07-2022	1100
8-	31-07-2022	17467
9-	01-08-2022	3025
10-	02-08-2022	2255
11-	03-08-2022	2255
12-	04-08-2022	3025
13-	05-08-2022	4612
14-	06-08-2022	2255
15-	07-08-2022	1870

Sr. No.	Freshet Date	Discharge (Cs)
16-	22-07-2022	1100
17-	23-07-2022	8613
18-	24-07-2022	1100
19-	25-07-2022	4085
20-	28-07-2022	1100
21-	29-07-2022	880
22-	08-08-2022	2640
23-	09-08-2022	1870
24-	10-08-2022	1485
25-	11-08-2022	31556
26-	12-08-2022	3025
27-	13-08-2022	2255
28-	14-08-2022	1870
29-	15-08-2022	40650
30-	20-08-2022	19499

High / Very High / Exceptionally High level floods were observed during current / running flood season. Due to meandering action, tendency of Deg Nullah changed abruptly towards right flood bund U/S Choor Bridge, left flood bund

D/S Hanjli Bridge & left flood bund U/S Kingra Bridge and hit the nose portion of 5 No. spurs at **(i)** RD 4+800/R (U/S Choor Bridge), **(ii)** RD 11+300/L (D/S Hanjli Bridge), **(iii)** RD 10+000/L (U/S Kingra Bridge), **(iv)** RD 10+600/L (U/S Kingra Bridge) & RD 9+400 (U/S Kingra Bridge). Resultantly, partial nose / straight portion of above cited spurs have been damaged and apron has been launched. The work of restoration / rehabilitation of above spurs is under execution as per Departmental Expert Committee meeting held on 02-09-2022 which will be completed before coming flood.

The flow of main stream changed its behavior due to frequent freshets and continuously drifting towards right flood protection embankment U/S Choor Bridge and causes erosion along the bank which was protected by field staff through tree launching on war footing basis as temporary solution. On the recommendations of Departmental Experts Committee vide No. 1195/PRO(H)/83-M, Dated: 19-09-2022, 2 No. spurs have been proposed as permanent solution at interval of 4-L at RD 3+400 and RD 4+200 of right flood protection embankment having length of 200ft to minimize damages to flood protection embankment and to centralize the flow. The construction of above proposed spurs are also under execution phase and will be completed before commencement of flood season.

FLOOD 2023 IN DEG NULLAH

During flood season 2023, heavy rainfalls in catchment area of Deg Nullah caused frequent freshets and flow began to increase gradually. The flood having high magnitude about 31556 Cs on 19.07.2023 in Deg Nullah was recorded.

Due to meandering action, tendency of Deg Nullah changed abruptly and hit the of 7 No. spurs at RD 0+800, RD 3+400, RD 7+000, RD 8+400, RD 8+950, RD 11+300 U/S Kingra Bridge and RD 11+300 RMB U/S Deg Super-passage RD 220+122 MRL. Resultantly, partial nose / straight portion of above cited spurs have been damaged and apron has been launched. The work of restoration / rehabilitation of above spurs are submitted to competent authority for its sanction.

FLOOD 2024 IN DEG NULLAH

During flood 2024, heavy rainfalls in catchment of deg nullah and Aik Nullah caused frequent freshets which then lead to increase gradually. The flood of highest magnitude in this season was observed as 14525 Cs on 15-August-2024.

Due to Due to meandering action, tendency of Deg Nullah changed abruptly and hit the of 7 No. spurs at RD 0+800, RD 3+400, RD 7+000, RD 8+400,

RD 8+950, RD 11+300 U/S Kingra Bridge and RD 11+300 RMB U/S Deg Super-passage RD 220+122 MRL. Resultantly, the aprons of slightly launched of these 7 No spurs while the Spur at 11+700/R at RD 220+133 was significantly damaged and launched. The work of restoration / rehabilitation of above spurs is submitted to competent authority for its sanction.

FLOOD 2025

DEG NULLAH

During flood 2025, heavy rainfalls in catchment of deg nullah and cloud burst a record flood was observed which has broken all the previous records and the same has caused frequent freshets which then lead to increase gradually. The flood of highest magnitude in this season was observed as 77742 Cs on 27-August-2025.

PALKHU NULLAH

During flood 2025, heavy rainfalls in catchment of deg nullah and cloud burst a record flood was observed which has broken all the previous records and the same has caused frequent freshets which then lead to increase gradually. The flood of highest magnitude in this season was observed as 6637 Cs on 27-August-2025.

AIK NULLAH

During flood 2025, heavy rainfalls in catchment of deg nullah and cloud burst a record flood was observed which has broken all the previous records and the same has caused frequent freshets which then lead to increase gradually. The flood of highest magnitude in this season was observed as 53076 Cs on 27-August-2025.

PATHANWALI DRAIN

During flood 2025, Pathanwali drain was tested for the very first time after its construction, as the flood 2025 was severe and cloud burst in region and catchment forced the drain to run on its capacity and also spilled the excess water on 27-August-2025.

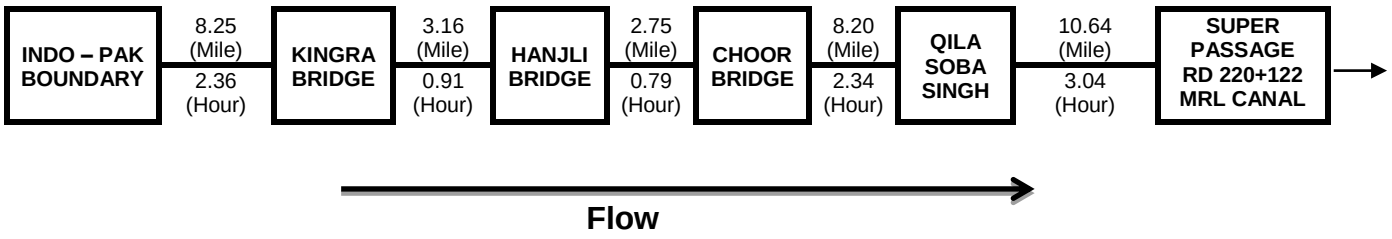
Chapter # 4.

Designed data, Historic peak flood data and previous five years flood data of Head works /Barrages and or other control points.

4.1 Flood Limits of Nullahs (in Cusecs)

SITE	LOW	MEDIUM	HIGH	VERY HIGH	EXCEPTIONALLY HIGH
DEG NULLAH at Kingra Road Bridge	10000	10000 to 15000	15000 to 22000	22000 to 30000	30000 to above
AIK NULLAH at Ura Bridge	2000	9000	13000	16000	Above 33000
PALKU NULLAH at 228+400 Bridge	1000	1500	2000	2500	Above 2500

4.2 - TIME LAG OF FLOODS DEG NULLAH



Sr. #	Description	Reach	Length (Mile)	Time Lag (Hour)
1	Deg Nullah	Indo – Pak Boundary to Kingra Bridge	8.25	2.36
2	Deg Nullah	KINGRA BRIDGE to HANJLI BRIDGE	3.16	0.91
3	Deg Nullah	HANJLI BRIDGE to CHOOR BRIDGE	2.75	0.79
4	Deg Nullah	CHOOR BRIDGE to QILA SOBA SINGH	8.20	2.34
5	Deg Nullah	QILA SOBA SINGH to SUPER PASSAGE RD 220+122 MRL CANAL	10.64	3.04

4.3 HIGHEST FLOODS

YEAR	DISCHARGE AT CONTROL POINTS (IN CUSEC)					
	AIK NULLAH AT URA BRIDGE	AIK NULLAH AT SUPER PASSAGE RD.90+190	DEG NULLAH AT KINGRA BRIDGE	DEG NULLAH AT SUPER PASSAGE R.D 220+122 MR LINK CANAL	DEG NULLAH AT SUPER PASSAGE R.D 104+133 BRBD LINK CANAL	PALKHU NULLAH AT ASKRAI COLONY BRIDGE
2007	10293 Cs	-	-	16036 Cs	-	-
2008	4752 Cs	-	-	16709 Cs	-	-
2009	2826 Cs	-	-	14217 Cs	-	-
2010	7793 Cs	-	42000 Cs	15799 Cs	-	-
2011	19506 Cs	-	29783 Cs	9015 Cs	-	-
2012	-	-	20515 Cs	4528 Cs	-	-
2013	40711 Cs	-	29783 Cs	11792 Cs	-	-
2014	44386 Cs	-	75102 Cs	-	-	-
2015	9157 Cs	-	33329 Cs	11792 Cs	7400 Cs	541 Cs
2016	38127 Cs	-	35948 Cs	13215 Cs	-	-
2017	6794 Cs	-	21597 Cs	13230 Cs	-	3070 Cs
2018	8012 Cs	-	19170 Cs	8091 Cs	-	1266 Cs
2020	-	-	-	-	-	4525 Cs
2021	4136 Cs	-	29783 Cs	11792 Cs	-	1185 Cs
2022	18327 Cs	-	40650 Cs	17000 Cs	4902 Cs	2322 Cs
2023	6013 Cs	-	31556 Cs	11792 Cs	6638 Cs	1377 Cs
2024	15541 Cs	-	14525 Cs			777 Cs
2025	53076 Cs		77742 Cs			6653 Cs

4.4 Peak Discharges

YEAR	DISCHARGE AT CONTROL POINTS (IN CUSEC)			
	AIK NULLAH AT URA BRIDGE	DEG NULLAH AT KINGRA BRIDGE	PALKHU NULLAH	DEG NULLAH AT SUPPER PASSAGE RD. 220+122 MR LINK CANAL
2007	10293 Cs	-	-	16036 Cs
2008	4752 Cs	-	-	16709 Cs
2009	2826 Cs	-	-	14217 Cs
2010	7793 Cs	42000 Cs	-	15799 Cs
2011	19506 Cs	29783 Cs	-	9015 Cs
2012	2429 Cs	20515 Cs	-	4528 Cs
2013	40711 Cs	-	-	11792 Cs
2014	44386 Cs	75102 Cs	-	-
2015	9157 Cs	33329 Cs	541 Cs	11792 Cs
2016	38127 Cs	35948 Cs	-	13215 Cs
2017	6794 Cs	21591 Cs	3070 Cs	13230 Cs
2018	8012 Cs	19170 Cs	1266 Cs	8091 Cs
2019	3540 Cs	11000 Cs	888 Cs	6513 Cs
2020	-	-	4525 Cs	-
2021	4136 Cs	29783 Cs	1185 Cs	11792 Cs
2022	18327 Cs	40650 Cs	2322 Cs	17000 Cs
2023	6013 Cs	31556 Cs	1377 Cs	11792 Cs
2024	15541 Cs	14525 Cs	777 Cs	
2025	53076 Cs	77742 Cs	6653 Cs	

Chapter # 5.

FLOOD FIGHTING STRATEGY

FLOOD FIGHTING STRATEGY AT DIFFERENT LIMITS OF AIK, PALKHU & DEG NULLAH:

Heavy floods are expected in Nullah Aik, Palkhu & Deg. Strict watching arrangement will be started by 15th June 2025. According to scale fixed by department as per flood fighting plan. The pre-flood arrangements necessarily required are given below.

STAGE-I

i. Low Flood:

Deg Nullah	Aik Nullah	Palkhu Nullah
10000	2000	1000

When river discharges ranges between these limits, watching establishment shall be deployed for two shifts in a day. Sub Engineer, concerned will supervise entire watching operation. Sub Divisional Officer concerned will act as officer in-charge of watching operation.

STAGE-II

ii. Medium Floods:

Deg Nullah	Aik Nullah	Palkhu Nullah
10000-15000	2000-9000	1000-1500

Supervisory staff will be same as in Stage-I.

STAGE-III

iii. High Floods:

Deg Nullah	Aik Nullah	Palkhu Nullah
15000-30000	9000-16000 Cs	1500-2500

Supervisory staff will be same as in Stage-I. Additional mechanical machinery i/c excavators, front blade tractors, tractors with trolleys would be hired to control situation as per requirement.

STAGE-IV

iv. Exceptional High floods:

Deg Nullah	Aik Nullah	Palkhu Nullah
Above 30000 Cs	Above 16000 Cs	Above 2500 Cs

Watching establishment would be increased from 1st three stages as per requirement. Similarly, additional mechanical machinery i/c excavators, front blade tractors, tractors with trolleys would be hired to control situation as per requirement.

CHAPTER # 6.

FLOOD DAMAGES RESTORATION WORKS

LIST OF WORK EXECUTED DURING THE YEAR 2025-26 UNDER THE HEAD OF A13501-EMBANKMENTS:

Sr. No.	Name of Work	Starting Date	Completion Date	Remarks
1	Filling and Strengthening mishap sites of BRBD Link canal due to flood 2025	01-03-2026	30-06-26	All Works are in progress and will be completed before flood season start 2026.
2	Filling and Strengthening mishap Bank of BRBD Link 138-178 due to flood 2025	01-03-2026	30-06-26	
63	Filling and Strengthening mishap sites of MR Link canal due to flood 2025	01-03-2026	30-06-26	
4	Filling & Strengthening mishap sites including structural damages to Aik Nullah	01-03-2026	30-06-26	
5	Filling & Strengthening mishap sites including structural damages to Palku Nullah	01-03-2026	30-06-26	
6	Filling & Strengthening mishap sites including structural damages to Pathanwali Drain.	01-03-2026	30-06-26	
7	Protection of Mishap at RD 220-221 on u/s side on Deg Nullah and restoration of damages spurs.	01-03-2026	30-06-26	
8	Restoration and strentheing of ersoiove action of nullah Palku at RD 228+600 adjacent to Askari II damaged due to flood 2025.	01-03-2026	30-06-26	

CHAPTER # 7.

FLOOD FIGHTING WATCHING ARRANGEMENT

7.1 Pre- Flood Arrangements:

All bunds are inspected by a committee constituted by the Secretary to Government of Punjab, Irrigation Department in month of May of every year. Inspection of all bunds and spurs by the Team of Military personals is also carried out before flood season to ensure that bunds are safe against coming flood season.

To provide swift and disposal of any information related to flood situation in order to intimate prompt action, Gauge readers are appointed at Kingra Bridge, and R.D 220+122 Deg Rest House at Deg Nullah, Ura Bridge RD.163+150 and super passage of M.R. Link Canal RD.97+000 at Aik Nullah and Palkhu Nullah at RD 228+400 Askri Colony Bridge. Camps are established on all vulnerable sites to monitor situation during flood season. Cell Phones are provided and generator sets are installed at important / vulnerable reaches. The flood watching material is procured and shifted to camp sites asper necessity.

Keeping in new possibility of floods, precautionary measures have to be taken from 1st July to 15th October. Watching Establishment is employed for flood season as per limits of flood already fixed for various magnitude of Discharge in Deg, Aik Nullah & Palkhu Nullah.

Re-shuffling/recouping plan of reserve stone departmentally.					
Sr. #	**Name of Site / Location**	**Minimum requirement i.e. 70%**	**Sanctioned Limit**	**Available Quantity**	**Remarks**
Flood Protection along Deg Nullah					
1	Flood protection bunds along Deg Nullah.	112,000	160,000	47,150	
	Total Quantity	**112,000**	**160,000**	**47,150**	**-**

CONSOLIDATE STATUS OF RESERVE STOCK OF STONE REGARDING PASRUR LINK SUB DIVISION, SIALKOT				
Sr. #	**Sanctioned reserve stock of limit (Cft)**	**Available Quantity (Cft)**	**Deficient Balance quantity**	**Remarks.**
1	160,000	47,150	112500	

In case of any eventuality / untoward flooding situation, stone will be recouped / reshuffled at vulnerable sites as per necessity under a well-coordinated plan.

7.2 Watching Establishment

In view of possibility of receiving timely flood warnings, precautionary measures have to be taken from 1st July to 15th October, every year. The watching establishment is employed for the flood season as per limits of floods already fixed for various magnitude of discharge in the Nullahs i.e. Aik Nullah and Deg Nullah. In case there is no flood event occurred, establishment will be utilized in filling rain cuts etc.

Sr. No	**Structure Name**	**Flood Limits**							
		Normal Flood Season		**Low Flood**		**Medium/High Flood**		**Very High/ Exp. High Flood**	
		Men	**Shift**	**Men**	**Shift**	**Men**	**Shift**	**Men**	**Shift**
1	Aik Nullah.	8	1	8	1	8	2	20	3
2	Palku Nullah	8	1	8	1	8	2	20	3
3	Deg Nullah	8	1	8	1	8	2	20	3
4	Pathanwali Drain	8	1	8	1	8	2	20	3
5	MR Link & BRBD	8	1	8	1	8	2	20	3

7.3 Arrangement at Sensitive Sites

Camps are established on vulnerable sites to monitor situation during flood season. Cell Phones are provided and generator sets are installed at important /vulnerable reaches. The flood watching material is procured and shifted to camp sites as per necessity. To provide swift acquisition and disposal of any information related to flood situation in order to intimate prompt action Gauge readers are appointed at Kingra Bridge, and R.D 220+122 Deg Rest House. Keeping in view possibility of receiving floods, precautionary measures have to be taken from 1st July to 15th October. Watching Establishment is employed for flood season as per limits of flood already fixed for various magnitude of Discharge in Deg, Aik & Pulku Nullah.

Sr. No.	Structure Name	Reach RD	No. of Camps Established		
			Normal Flood season/ Low Flood	Medium/ High Flood	Very High/Exp. High Flood
1	Deg Nullah	Left & Right marginal bund along Deg Nullah U/S super passage RD.220+122 MR Link Canal	-	1	2
2	Aik Nullah	U/S Daska Road Bridge RD.132+500 to 163+150 including spill guide bun	-	1	2
		Sialkot Daska Road Bridge RD.132+500 to 92+500 MR Link Canal.	-	1	2
		MR Link Super Passage RD 90+190 at Aik Nullah	-	1	2
3	Palku Nullah	RD.63+000 to 180+000	-	1	2
		RD 190+000 to RD 264+000	-	1	2
		Syphon at MR Link RD 46+570.	-	1	2
5	Pathanwali & Daska Drain II	Pathanwali & Daska Drain II	-	1	2
6	M.R Link Canal Syphons & Inlets	M.R Link Canal Syphons & Inlets	-	1	2

7.4 WATCHING MATERIAL

Statement showing flood emergency stores at different camps:

Sr#	Description	unit	AIK NULLAH	PALKHU NULLAH	DEG NULLAH	TOTAL REQUIRED	AVAILABLE AT SITE	BALANCE REQUIRED
			RD.132+500 & URA Sialkot Daska Road Bridge	RD.222-223 All Other Sites	MR Link Canal RD.220+122 Deg Super passage			
1	2	3	4	5	7	8	9	10
1	Shouldari/Tent	No	2	2	01	5	0	5
2	Chairs	No	12	12	06	30	0	30
3	Table	No	2	2	01	5	0	5
4	Generator (2-3 KVA)	No	2	2	01	5	0	5
5	Pedestal Fans	No	2	2	01	5	0	5
6	Charpois	No	4	4	02	10	0	10
7	Symbolic Jackets	No	100	100	50	250	0	250
8	Polyethylene Sheet	Kg	200	200	100	500	0	500
9	Bamboos (4" dia and 10 ft long)	No	200	200	100	500	0	500
10	Water Cooler	No	2	2	01	5	0	5
11	Portable Umbrella	No	4	4	02	10	0	10

12	Life Jackets	No	10	10	05	25	0	25
13	Utensils (10 person serving)	No	2	2	01	5	0	5
14	14. Jute/Plastic bags	No	2000	2000	1000	5000	0	5000
15	Walkie Talkie Set	Sets	4	4	02	10	0	10
16	16. Raincoats	No	20	20	10	50	0	50
17	LED flood light	No	20	20	10	50	0	50
18	Extension Cable (10 ft)	No	4	4	02	10	0	10
19	Rechargeable torches	No	40	40	20	100	0	100
20	Kassi	Kg	40	40	20	100	0	100
21	Axes	No	40	40	20	100	0	100
22	G.I. Buckets	No	10	10	05	25	0	25
23	7/44 cable	Feet	1000	1000	500	2500	0	2500
24	Sutli	Kg	4	4	02	10	0	10
25	Sewing Needles	No	20	20	10	50	0	50
26	Emergency Medical Kit	No	2	2	1	5	0	5
27	Wire crates (3x3x3) (only at those camps near river action and where reserve stock exists)	No	0	0	0	0	0	0

7.5 Arrangement for Sounding & Probing:

All the necessary equipment for Sounding and Probing has been arranged.

7.6 Lighting Arrangement:

Lighting accessories have also been arranged at Camp Site.

7.7 Ration Arrangement:

District Administration is responsible for making Ration arrangements for evacuated people.

7.8 POL Arrangement for Vehicle:

H.S Diesel and Petrol for Vehicles will be ensured through District Administration during flood days in case of any emergency.

7.9 Transportation:

Transportation will be arranged locally.

7.10 Law and Order:

Maintenance of Law and Order is the responsibility of District Administration.

7.11 Medical Arrangement for Labour:

Medical arrangements for Labour are available in the vicinity i.e. Rural Health Center Zafarwal, Throo Mandi, Tehsil Headquarter Hospital Pasrur, Daska, Sambrial and District Headquarter Hospital Sialkot.

7.12 Liaison with other Department:

Sub Divisional Officer Rawal Link Sub Division as Liaison Officer will constantly oblige the other departments about the flood situation.

7.13 Role of the Army:

All necessary arrangements for evacuation of affected people will be done by Army.

7.14 Duties of Telephone Attendant:

The Telephone Attendants will perform their Duty for 24 Hours during Flood Season at Divisional Office Sialkot on Telephone No.052 – 9250087.

7.15 Wireless Arrangements:

No such arrangements are available in Pasrur Link Division.

CHAPTER # 8.

DETAIL OF ENCROACHMENT

Total No. of Encroachment	Removed	Balance	Action to be taken
Nil	**Nil**	**Nil**	**Nil**

CHAPTER # 9.

DUTY ROSTERS / FLOOD FIGHTING PROGRAM

Sr. #	Officer/Official	Station/place of duty	Jurisdiction
1	Executive Engineer, Pasrur Link Division, Sialkot	Sialkot	Executive Engineer, being overall in-charge of Pasrur Link Division with Headquarter at Sialkot, is responsible to look after flood bunds in his jurisdiction of Narowal and Sialkot Districts.
2	Sub Divisional Officer, Rawal Link Sub Division Sialkot	Sialkot	Inspection and checking of Flood protection works along Deg Nullah, Aik Nullah, Pulku Nullah & Pathanwali drain.
3	Sub Divisional Officer, Baddomalhi Link Sub Division Deg Rest House	R.D. 220+122 M.R. Link Canal Deg Rest House	Inspection and checking of Flood protection works along Deg Nullah, MR Link Canal and Flood bunds along Deg Nullah in District Sialkot and Narowal
4	Sub Divisional Officer, Goraya Sub Division Daska	RD 19+750 BRBD Link Canal at Daska	Sub Divisional Officer is in-charge of BRBD Link Canal from RD 0+500 to RD178+000 with his Headquarter RD 19+750 /L at Daska. Inlets have been constructed at RD 17-18/L, 25-26/L and RD 100-101/L. Sub Divisional Officer is responsible to drain out flood water accumulated along left bank of BRBD Link, Hasri Nullahs I and II cross BRBD Link Canal through Syphons of capacity 5000 cusec and 2500 cusec.

On receipt of any flood warning from Flood Warning Center and provincial Disaster Management Authority, the flood controlling office at Sialkot under supervision of Flood Control Officer/ Sub Divisional Officer, Rawal Link Sub Division, Sialkot will inform will inform immediately to the following: -

1- Executive Engineer, Pasrur Link Division, Sialkot

2- Executive Engineer, Chakbandi Division, Lahore.

3- Executive Engineer, Marala Division Marala

4- Superintending Engineer, Link Circle, Lahore.

5- Chief Engineer, Irrigation Lahore Zone, Lahore.

6- Director Regulation Punjab, Lahore.

7- Chief Engineer, Drainage & Floods, Lahore.

8- Secretary to Govt. of the Punjab, Irrigation Department, Lahore.

9- District Police Officer, Sialkot

10- District Police Officer, Narowal.

Any un-wanted happening will be reported to Executive Engineer, Pasrur Link Division, Sialkot and all others concerned promptly.

All necessary arrangements for evacuation of effected people will be done by District Administration and Army. Health Department will have its own arrangements to provide medical aid at spot. All other departments such as WAPDA, Communication and Works, Police and Administration would be requested for co-operation, if required by staff of Pasrur Link Division, Sialkot so as to fight against the flood.

CHAPTER #10. EMERGENCY TELEPHONE NUMBERS

Sr. No	Designation	Phone Numbers		
		Office	Mobile No.	Fax Number
1	Secretary Irrigation Department, Punjab.	042-99212117 042-99212118	0304-0920033	042-9212116
2	Chief Engineer, Irrigation, Lahore Zone, Lahore.	042-99212085 042-99212086	0301-8448709	042-9212084
3	Chief Engineer, Drainage & Flood Zone, Lahore.	042-99230602	0304-7261303	042-99230731
4	Director Flood, Lahore	042-99230368	0300-4777120	-
5	Superintending Engineer, Link Circle, Lahore.	042-99250310	0321-4117766	042-99250308
6	Executive Engineer Pasrur Link Division Sialkot.	052-9250088	0321-4116234	052-9250089
7	Executive Engineer Flood Bund Division Narowal.	0524-412374	0304-0826776	054-2411685
8	Executive Engineer Marala Division U.C.C. Marala.	052-3502102	0333-8161746	052-3502120
9	Executive Engineer, Gujranwala Division UCC Gujranwala	055-9200199	0334-8112162	055-9200326
10	Deputy Commissioner Sialkot.	052-9250451 052-9250452	0304-0920065	052-9250453
11	Deputy Commissioner Narowal.	0542-412500	0304-0920067	054-2412075
12	District Police Officer Sialkot.	042-9250321 042-9250322	0308-7865550	052-9250323
13	District Police Officer Narowal.	054-2412800	0303-666175	054-2412300
14	Flood Warning Centre Lahore.	042-99205371	-	042-99205372
15	Canal Telegraph Office Sialkot.	052-9250087	0345-4583285	052-9250089
16	Flood Control Centre, Flood Relief Officer Sialkot.	052-9250467	-	-
17	Meteorological Department Jail Road Lahore.	042-99200208 042-99200139	0300-8026286	-
18	Flood Emergency Cell, Relief Depts. Lahore.	042-9210556	-	042-9210555
19	Provincial Flood Control Room Lahore.	042-99203302	-	-
20	Duty Forecasting Officer Lahore.	042-7572094	-	-
21	Div. Headquarters (Army) Sialkot.	052-5713227 052-5713127	-	-
22	Headquarter Engineers 30-Corps Gujranwala Cantt.	055-2692350	-	-
23	11-Engineers Battalion Sialkot Cantt.	052-5715186	-	-
24	23-Engineers Battalion	052-5715184	-	-
25	Police Control Sialkot.	92-50335 92-50338	-	-
26	Army Flood Emergency Gujranwala.	-	-	-
27	PDMA Sialkot.	052-9250011	0321-7281003	

CHAPTER # 11.

STANDARD OPERATING PROCEDURE (SOP) FOR BREACHING SECTIONS

There is no Breaching Section in Pasrur Link Division, Sialkot.

Sr. #	Description	Action Plan
11.1	History of the Breaching Section	N.A
11.2	Location, Design, quantity and variety of the explosion required for detonation	N.A
11.3	Arrangement of explosives and security of explosive stores	N.A
11.4	List of the security staff with detail of their training etc.	N.A
11.5	Detail of mechanical means as a standby arrangement in case of detonation failure	N.A
11.6	Duty Roster in case of critical situation	N.A
11.7	Breaching Committee with their action plan	N.A
11.8	List of the villages likely to be inundated in case of breach	N.A
11.9	Announcement and details of evacuation arrangements	N.A
11.10	Details of coordination with civil, army authorities	N.A
11.11	Parallel communication arrangements	N.A
11.12	Index Plan	N.A

Executive Engineer,
Pasrur Link Division,
Sialkot.

Superintending Engineer,
Link Circle, Lahore.

Chief Engineer,
Irrigation Lahore Zone,
Lahore.

PART - B

Chapter # 12.

Vulnerable Sites on Flood Bunds / Structures

Site # 1 (Deg Nullah):

i. Left & Right marginal bund along Deg Nullah U/S super passage RD.220+122 MR Link Canal **Annexure-A2**

Site # 2 (Aik Nullah):

i. U/S Daska Road Bridge RD.132+500 to 163+150 including spill guide bund. **Annexure-B1**
ii. Sialkot Daska Road Bridge RD.132+500 to 92+500 MR Link Canal.
iii. MR Link Super Passage RD 90+190 at Aik Nullah **Annexure-B2**

Site # 3 (Palkhu Nullah):

i. RD.63+000 to 180+000 **Annexure-C1**
ii. RD.190+500 to 264+000
iii. Syphon at MR Link RD 46+570. **Annexure-C2**

Site # 4 (Pathanwali & Daska Drain II) **Annexure-D**

Site # 5 (M.R Link Canal Syphons & Inlets) **Annexure-E**

12.1 Apprehended Breaches in Flood Bund / Structures:

Nil.

12.2 Operation of Breaching Sections:

There is no breaching section in Pasrur Link Division Sialkot

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

Right Marginal Bund along Deg Nullah U/S Super Passage at RD.220+122.

CHAPTER # 13.

EMERGENCY CONTINGENCY PLAN FOR VULNERABLE SITE OF DEG NULLAH

Site No.1 :

Left & Right marginal bund along Deg Nullah U/S super passage RD.220+122 MR Link Canal

13.1 Plan showing route of flood water coming out of the breach supported with levels:

Plan attached for vulnerable site No. 3 **(Annexure – A2)**

13.2 Detail of Villages abadies likely to be affected and this should also be shown on the Plan:

Khewa Bajwa, Noorpur, Kalaswala etc.

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

13.3.1 Arrangements

All arrangements start onset of flood season.

13.3.2 Establishment of Flood Fighting Camps

Camp is established at RD 220+122 M.R Link Canal (Deg Rest Houe) to monitor situation and to provide swift and disposal of any information related to flood situation in order to intimate prompt action by the Officers.

13.3.3 Duties of Officers / Officials and their Camp sites

In-charge of the site is Sajjad Bajwa Sub Divisional Officer, Baddomalhi Link Sub Division and his contact No. is 0345-6830064. The name of sub engineer in charge along with his establishment is given below: -

Sr. #	CAMP SITE	LOCATION	INCHARGE OF SITE WITH ESTABLISHMENT	CELL NO
1	RD.220+122 M.R Link (Deg Rest House)	M.R Link Canal	Ihtisham Sub Engineer Beldars. = 10 No. Chowkidar = 02 No.	0347-4610056

13.3.4 Departmental Machinery Available at Left & Right marginal bund along Deg Nullah U/S super passage RD.220+122 MR Link Canal

Nil.

13.3.5 Machinery Available from Private Source at Left & Right marginal bund along Deg Nullah U/S super passage RD.220+122 MR Link Canal

The earth moving machinery i.e. Excavator Machine= 2 No. Tractor Trolley =4 No. and Tractor with front blade =1 No. will be made available from private source as per need bases.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Sr#	Description	Unit	MR Link Canal RD.220-122	AVAILABLE AT SITE	BALANCE REQUIRED	REMARKS
1	2	3	4	5	6	7
1	Shouldari/Tent	No	01	0	01	Deficient material will be procured before flood season 2026
2	Chairs	No	06	0	06	
3	Table	No	01	0	01	
4	Generator (2-3 KVA)	No	01	0	01	
5	Pedestal Fans	No	01	0	01	
6	Charpois	No	02	0	02	
7	Symbolic Jackets	No	50	0	50	
8	Polyethylene 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	No	01	0	01	

	person serving)					
14	Jute/Plastic bags	No	1000	0	1000	
15	Walkie Talkie Set	Sets	02	0	02	
16	16. Raincoats	No	10	0	10	
17	LED flood light	No	10	0	10	
18	Extension Cable (10 ft)	No	02	0	02	
19	Rechargeable torches	No	20	0	20	
20	Kassi	Kg	20	0	20	
21	Axes	No	20	0	20	
22	G.I. Buckets	No	05	0	05	
23	7/44 cable	Feet	500	0	500	
24	Sutli	Kg	02	0	02	
25	Sewing Needles	No	10	0	10	
26	Emergency Medical Kit	No	1	0	1	
27	Wire crates (3x3x3) (only at those camps near river action and where reserve stock exists)	No	0	0	0	

13.4 Detail of Other Infrastructure like Electric, Sui Gas, Telephone Installations, Road Network, Other Buildings, Canals and Drainage Network.

Electric Installation	Yes
Sui Gas Installation	No
Telephone Installation	Yes
Road Network	Pasrur Classwala Road & Pasrur Dhooda Road
Buildings	Deg Rest House
Canals	M.R Link Canal
Drainage Network	No

Site No.2 (i) Aik Nullah:

U/S Daska Road Bridge RD.132+500 to 163+150 including spill guide bund

13.1 Plan showing route of flood water coming out of the breach supported with levels:

Plan attached for vulnerable site No. 1 **(Annexure – B1)**

13.2 Detail of Villages abadies likely to be affected and this should also be shown on the Plan:

Ura, Haripur, Syedanwali, Ghopalpur, Sialkot City Area etc.

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

13.3.1 Arrangements:

All arrangements start onset of flood season.

13.3.2 Establishment of Flood Fighting Camps:

Camp is established at Daska Sialkot Road (Aik Nullah RD 132+500) to monitor the situation and to provide swift and disposal of any information related to flood situation in order to intimate prompt action by the officers.

13.3.3 Duties of Officers / Officials and their Camp sites:

In-charge of the site is Abdul Rehman Sub Divisional Officer, Rawal Link Sub Division and his contact No. is **0344-6399447** under overall supervision of Executive Engineer, Pasrur Link Division, Sialkot.

The name of in-charge Sub Engineer along with his establishment is given below: -

Sr. #	CAMP SITE/REACH	LOCATION	INCHARGE OF SITE WITH ESTABLISHMENT	CELL NO
1	Daska Road Bridge at Aik Nullah RD 132+500	Aik Nullah	Abdul Rehman Sub Engineer Beldars = 10 No. Gauge Reader = 02 No. Chowkidar = 02 No.	0334-8145435

13.3.4 Departmental Machinery Available at Urra Bridge RD.132+500 to163+150

Nil

13.3.4 Machinery Available from Private Source at U/S Daska Road Bridge RD.132+500 to 163+150 including Spill Guide Bund

The earth moving machinery i.e. 2 No. Excavator Machine, 2 No. tractor with trolley and 1 No. tractor with front blade will be made available from private source as per need bases.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Sr#	Description	unit	RD.132+500 Sialkot Daska Road Bridge	AVAILABLE AT SITE	BALANCE REQUIRED	REMARKS
1	2	3	4	5	6	7
1	Shouldari/Tent	No	01	0	01	Deficient material will be procured before flood season 2026
2	Chairs	No	06	0	06	
3	Table	No	01	0	01	
4	Generator (2-3 KVA)	No	01	0	01	
5	Pedestal Fans	No	01	0	01	
6	Charpois	No	02	0	02	
7	Symbolic Jackets	No	50	0	50	
8	Polyethylene 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	Walkie Talkie Set	Sets	02	0	02	
16	16. Raincoats	No	10	0	10	
17	LED flood light	No	10	0	10	
18	Extension Cable (10 ft)	No	02	0	02	
19	Rechargeable torches	No	20	0	20	

20	Kassi	Kg	20	0	20	
21	Axes	No	20	0	20	
22	G.I. Buckets	No	05	0	05	
23	7/44 cable	Feet	500	0	500	
24	Sutli	Kg	02	0	02	
25	Sewing Needles	No	10	0	10	
26	Emergency Medical Kit	No	1	0	1	
27	Wire crates (3x3x3) (only at those camps near river action and where reserve stock exists)	No	0	0	0	

13.4 Detail of Other Infrastructure like Electric, Sui Gas, Telephone Installations, Road Network, Other Buildings, Canals and Drainage Network.

Electric Installation	Yes
Sui Gas Installation	No
Telephone Installation	Yes
Road Network	Sialkot – Daska Road
Buildings	Sialkot City Area
Canals	No
Drainage Network	Yes

Site No.2 (ii & iii):

Sialkot Daska Road Bridge RD.132+500 to 97+500 MR Link Canal

13.1 Plan showing route of flood water coming out of the breach supported with levels:

Plan attached for vulnerable site No. 2 **(Annexure – B2)**

13.2 Detail of Villages abadies likely to be affected and this should also be shown on the Plan:

Daburji Maliyan, Buttar, Paki Kotli, Nagoor, Kotli Marlan etc.

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

13.3.1 Arrangements:

All arrangements start onset of flood season.

13.3.2 Establishment of Flood Fighting Camps:

Camp site is same as Site # 2 (i).

13.3.3 Duties of Officers / Officials and their Camp sites:

In-charge of the site is Abdul Rehman Sub Divisional Officer, Rawal Link Sub Division and his contact No. is **0344-6399447** under overall supervision of Executive Engineer, Pasrur Link Division, Sialkot.

The name of in-charge along with his establishment is given below: -

Sr. #	CAMP SITE	LOCATION	INCHARGE OF SITE WITH ESTABLISHMENT	CELL NO
1	Daska Road Bridge Aik Nullah RD 132+500	Aik Nullah	Abdul Rehman Sub Engineer Beldars. = 10 No.	0334-8145435

13.3.4 Departmental Machinery Available at Sialkot Daska Road Bridge RD.132+500 to 97+500 MR Link Canal

Nil.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE AT SIALKOT DASKA ROAD BRIDGE RD.132+500 TO 97+500 MR LINK CANAL

The earth moving machinery i.e. 2 No. Excavator Machine, 2 No. tractor with trolley and 1 No. tractor with front blade will be made available from private source as per need bases.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Note: Flood frightening material of Site No. 2(i) & (ii) will be utilized as per requirement.

Sr#	Description	unit	RD.132+500 Sialkot Daska Road Bridge	AVAILABLE AT SITE	BALANCE REQUIRED	REMARKS
1	2	3	4	5	6	7
1	Shouldari/Tent	No	01	0	01	Deficient material will be procured before flood season 2026
2	Chairs	No	06	0	06	
3	Table	No	01	0	01	
4	Generator (2-3 KVA)	No	01	0	01	
5	Pedestal Fans	No	01	0	01	
6	Charpois	No	02	0	02	
7	Symbolic Jackets	No	50	0	50	
8	Polyethylene 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	Walkie Talkie Set	Sets	02	0	02	
16	16. Raincoats	No	10	0	10	
17	LED flood light	No	10	0	10	
18	Extension Cable (10 ft)	No	02	0	02	
19	Rechargeable torches	No	20	0	20	
20	Kassi	Kg	20	0	20	
21	Axes	No	20	0	20	

22	G.I. Buckets	No	05	0	05
23	7/44 cable	Feet	500	0	500
24	Sutli	Kg	02	0	02
25	Sewing Needles	No	10	0	10
26	Emergency Medical Kit	No	1	0	1
27	Wire crates (3x3x3) (only at those camps near river action and where reserve stock exists)	No	0	0	0

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

Electric Installation	Yes
Sui Gas Installation	No
Telephone Installation	Yes
Road Network	Sialkot - Daska Road
Buildings	Govt. Schools & Rural Health Centres
Canals	No
Drainage Network	Yes

Site No.3 (i) Pulku Nullah:

Pulku Nullah RD. 63+000 to RD 180+000

13.1 Plan showing route of flood water coming out of the breach supported with levels:

Plan attached for vulnerable site No. 3 **(Annexure – C1)**

13.2 Detail of Villages abadies likely to be affected and this should also be shown on the Plan:

Sialkot International Airport, Sambrial, Sudhra, Paki Ghari, Kotli Mughlan, Ravella, Kotli Khokhan, Sarankey, Kirnwali, Dharanwali, Chak Ajanta, Khambranwala etc.

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

13.3.1 Arrangements

All arrangements start onset of flood season.

13.3.2 Establishment of Flood Fighting Camps

No. need of establishment of flood camp.

13.3.3 Duties of Officers / Officials and their Camp sites

Incharge of the site is Abdul Rehman Sub Divisional Officer, Rawal Sub Division, and his contact No. is **0344-6399447.** under overall supervision of Executive Engineer, Pasrur Link Division, Sialkot**.**

The name of in-charge of sub engineer along with his establishment is given below: -

Sr. #	CAMP SITE	LOCATION	INCHARGE OF SITE WITH ESTABLISHMENT	CELL NO
1	RD 222-223 Pulku Nullah	Palkhu Nullah	Muhammad Arshad SDO Beldars. = 10 No.	0300-6115311

13.3.4 Departmental Machinery Available at at RD.63+000 to 180+000:

Nil.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE AT RD.63+000 TO 180+000:

The earth moving machinery i.e. 2 No. Excavator Machine, 2 No. tractor with trolley and 1 No. tractor with front blade will be made available from private source as per need bases.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Note: Flood frightening material of Site No. 3(ii) will be utilized as per requirement.

Sr#	Description	unit	RD.222-223	AVAILABLE AT SITE	BALANCE REQUIRED	REMARKS
1	2	3	4	5	6	7
1	Shouldari/Tent	No	01	0	01	Deficient material will be procured before flood season 2026
2	Chairs	No	06	0	06	
3	Table	No	01	0	01	
4	Generator (2-3 KVA)	No	01	0	01	
5	Pedestal Fans	No	01	0	01	
6	Charpois	No	02	0	02	
7	Symbolic Jackets	No	50	0	50	
8	Polyethylene 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	Walkie Talkie Set	Sets	02	0	02	
16	16. Raincoats	No	10	0	10	
17	LED flood light	No	10	0	10	
18	Extension Cable (10 ft)	No	02	0	02	
19	Rechargeable torches	No	20	0	20	
20	Kassi	Kg	20	0	20	
21	Axes	No	20	0	20	
22	G.I. Buckets	No	05	0	05	
23	7/44 cable	Feet	500	0	500	

24	Sutli	Kg	02	0	02	
25	Sewing Needles	No	10	0	10	

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

Electric Installation	Yes
Sui Gas Installation	No
Telephone Installation	Yes
Road Network	Sambrial - Wazirabad Road, Sialkot Airport Road
Buildings	Sialkot Airport, Schools, Rural Health Centers
Canals	U.C.C Canal
Drainage Network	Yes

Site No.3 (ii):

Pulku Nullah RD .190+500 to RD 264+000

13.1 Plan showing route of flood water coming out of the breach supported with levels:

Plan attached for vulnerable site No. 3 **(Annexure – C2)**

13.2 Detail of Villages abadies likely to be affected and this should also be shown on the Plan.

Chata, Kapoorwali, Kala ghumna, Ghansarpur, Chitti Sheikhan, Nawapind Korpur Gohadpur Balanwala, Machikhokar, Sialkot Cantt & Dallowali etc.

13.3 Strategy and action taken be explained in detail: This may include:

13.3.1 Arrangements:

All arrangements start onset of flood season.

13.3.2 Establishment of Flood Fighting Camps:

Camp is established on RD 222 – 223, to monitor the situation and to provide swift and disposal of any information related to the flood situation in order to intimate prompt action by the Officers.

13.3.3 Duties of Officers / Officials and their Camp sites:

Incharge of the site is Abdul Rehman Sub Divisional Officer, Daska Drainage Sub Division, and his contact No. is **0344-6399447.** under overall supervision of Executive Engineer, Pasrur Link Division, Sialkot.

The name of in-charge sub engineer along with his establishment is given below: -

Sr. #	CAMP SITE	LOCATION	INCHARGE OF SITE WITH ESTABLISHMENT	CELL NO
1	RD.222-223	Palkhu Nullah	Abdur Rehman SDO Beldars. = 10 No. Chowkidar = 02 No.	0344-6399447

13.3.4 Departmental Machinery Available at RD .190+500 to 264+000:

Nil.

13.3.5 MACHINERY AVAILABLE FROM PRIVATE SOURCE AT RD .190+500 TO 264+000:

The earth moving machinery i.e. 2 No. Excavator Machine, 2 No. tractor with trolley and 1 No. tractor with front blade will be made available from private source as per need bases.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Sr#	Description	unit	RD.222-223	AVAILABLE AT SITE	BALANCE REQUIRED	REMARKS
1	2	3	4	5	6	7
1	Shouldari/Tent	No	01	0	01	Deficient material will be procured before flood season 2026
2	Chairs	No	06	0	06	
3	Table	No	01	0	01	
4	Generator (2-3 KVA)	No	01	0	01	
5	Pedestal Fans	No	01	0	01	
6	Charpois	No	02	0	02	
7	Symbolic Jackets	No	50	0	50	
8	Polyethylene 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	Walkie Talkie Set	Sets	02	0	02	
16	16. Raincoats	No	10	0	10	
17	LED flood light	No	10	0	10	
18	Extension Cable (10 ft)	No	02	0	02	
19	Rechargeable torches	No	20	0	20	
20	Kassi	Kg	20	0	20	
21	Axes	No	20	0	20	

22	G.I. Buckets	No	05	0	05
23	7/44 cable	Feet	500	0	500
24	Sutli	Kg	02	0	02
25	Sewing Needles	No	10	0	10
26	Emergency Medical Kit	No	1	0	1

13.4 Detail of other infrastructure like electric, Sui gas, telephone installations, road network, other buildings, Canals and drainage network.

Electric Installation	Yes
Sui Gas Installation	No
Telephone Installation	Yes
Road Network	Sialkot-Marala Road, Sialkot-Kuluwal Road
Buildings	Cantonment Board Area
Canals	M.R Link Canal
Drainage Network	Yes

Site No.4 :

Pathanwali & Daska Drain II

13.1 Plan showing route of flood water coming out of the breach supported with levels:

Plan attached for vulnerable site **(Annexure – D)**

13.2 Detail of Villages abadies likely to be affected and this should also be shown on the Plan:

Jodewali, Gunna, Puragpur, Mandianwali, Partanwali, pirochak, Daoke etc

13.3 Strategy and action taken be explained in detail: This may include:

13.4.1 Arrangements:

All arrangements start onset of flood season.

13.3.2 Establishment of Flood Fighting Camps:

No need of establishment of flood camp.

13.3.3 Duties of Officers / Officials and their Camp sites

Incharge of the site is Abdul Rehman Sub Divisional Officer, Daska Drainage Sub Division, and his contact No. is **0344-6399447.** under overall supervision of Executive Engineer, Pasrur Link Division, and Sialkot

The name of in-charge sub engineer along with his establishment is given below: -

Sr. #	CAMP SITE	LOCATION	INCHARGE OF SITE WITH ESTABLISHMENT	CELL NO
1	RD 84-85	Pathanwali Drain	Abdur Rehman SDO Beldars. = 5 No.	0344-6399447

13.3.4 Departmental Machinery Available at Pathanwali & Daska Drain II:

Nil.

13.3.5 Machinery Available From Private Source at Pathanwali & Daska Drain II:

The earth moving machinery i.e. 2 No. Excavator Machine, 2 No. tractor with trolley and 1 No. tractor with front blade will be made available from private source as per need bases.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Note: Flood fighting material at site No. 3 (ii) will be utilized in-case of emergency.

Sr#	Description	unit	RD.222-223	AVAILABLE AT SITE	BALANCE REQUIRED	REMARKS
1	2	3	4	5	6	7
1	Shouldari/Tent	No	01	0	01	Deficient material will be procured before flood season 2026
2	Chairs	No	06	0	06	
3	Table	No	01	0	01	
4	Generator (2-3 KVA)	No	01	0	01	
5	Pedestal Fans	No	01	0	01	
6	Charpois	No	02	0	02	
7	Symbolic Jackets	No	50	0	50	
8	Polyethylene 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	Walkie Talkie Set	Sets	02	0	02	
16	16. Raincoats	No	10	0	10	
17	LED flood light	No	10	0	10	
18	Extension Cable (10 ft)	No	02	0	02	
19	Rechargeable torches	No	20	0	20	
20	Kassi	Kg	20	0	20	
21	Axes	No	20	0	20	
22	G.I. Buckets	No	05	0	05	
23	7/44 cable	Feet	500	0	500	
24	Sutli	Kg	02	0	02	
25	Sewing Needles	No	10	0	10	

13.4 Detail of other infrastructure like electric, Sui gas, telephone installations, road network, other buildings, Canals and drainage network.

Electric Installation	Yes
Sui Gas Installation	No
Telephone Installation	Yes
Road Network	Sialkot-Pasrur Road, Sialkot-Eman Abad-Road, Lahore-Sialkot Motorway
Buildings	Schools, Rural Health Centers etc.
Canals	M.R Link Canal
Drainage Network	Yes

Site No.5 :

M.R Link Canal Syphons & Inlets

13.1 Plan showing route of flood water coming out of the breach supported with levels:

Plan attached for vulnerable site **(Annexure – E)**

13.2 Detail of Villages abadies likely to be affected and this should also be shown on the Plan:

Jattan, Kala Ghumana, Jorrian, Gunjianwali, Kotli Marlan, Motra, Pandori, Kotli Dasu Singh etc.

13.3 Strategy and action taken be explained in detail: This may include:

13.4.2 Arrangements:

All arrangements start onset of flood season.

13.3.2 Establishment of Flood Fighting Camps:

No need of establishment of flood camp.

13.3.3 Duties of Officers / Officials and their Camp sites

Incharge of the site is Abdul Rehman Sub Divisional Officer, Daska Drainage Sub Division, and his contact No. is **0344-6399447 U**nder overall supervision of Executive Engineer, Pasrur Link Division, and Sialkot

The name of in-charge sub engineer along with his establishment is given below: -

Sr. #	CAMP SITE	LOCATION	INCHARGE OF SITE WITH ESTABLISHMENT	CELL NO
1	RD 81-82	MR Link Canal	Abdul Rehman Sub Engineer Beldars. = 10 No.	0334-8145435

13.3.4 Departmental Machinery Available at M.R Link Canal Syphons & Inlets:

Nil.

13.3.5 Machinery Available From Private Source at M.R Link Canal Syphons & Inlets:

The earth moving machinery i.e. 4 No. Excavator Machine, 2 No. tractor with trolley and 1 No. tractor with front blade will be made available from private source as per need bases.

13.3.6 FLOOD FIGHTING MATERIAL REQUIRED.

13.3.7 FLOOD FIGHTING MATERIAL AVAILABLE.

Note: Flood fighting material at site No. 2 (i) will be utilized in-case of emergency.

Sr#	Description	unit	RD.132+500 Sialkot Daska Road Bridge	AVAILABLE AT SITE	BALANCE REQUIRED	REMARKS
1	2	3	4	5	6	7
1	Shouldari/Tent	No	01	0	01	Deficient material will be procured before flood season 2026
2	Chairs	No	06	0	06	
3	Table	No	01	0	01	
4	Generator (2-3 KVA)	No	01	0	01	
5	Pedestal Fans	No	01	0	01	
6	Charpois	No	02	0	02	
7	Symbolic Jackets	No	50	0	50	
8	Polyethylene 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	Walkie Talkie Set	Sets	02	0	02	
16	16. Raincoats	No	10	0	10	
17	LED flood light	No	10	0	10	
18	Extension Cable (10 ft)	No	02	0	02	
19	Rechargeable torches	No	20	0	20	
20	Kassi	Kg	20	0	20	
21	Axes	No	20	0	20	
22	G.I. Buckets	No	05	0	05	
23	7/44 cable	Feet	500	0	500	
24	Sutli	Kg	02	0	02	
25	Sewing Needles	No	10	0	10	

13.4 Detail of other infrastructure like electric, Sui gas, telephone installations, road network, other buildings, Canals and drainage network.

Electric Installation	Yes
Sui Gas Installation	No
Telephone Installation	Yes
Road Network	Sialkot-Wazirabad Road, Sialkot-Daska Road.
Buildings	Schools, Rural Health Centers etc.
Canals	M.R Link Canal
Drainage Network	Yes

Executive Engineer
Pasrur Link Division
Sialkot

Superintending Engineer
Link Circle, Lahore

Chief Engineer
Irrigation Lahore Zone
Lahore

14.1: RE-SHUFFLING / RECOUPING PLAN OF RESERVE STONE DEPARTMENTALLY.

CONSOLIDATE STATUS OF RESERVE STOCK OF STONE REGARDING PASRUR LINK SUB DIVISION, SIALKOT

Sr. #	Sanctioned reserve stock of limit (Cft)	Minimum requirement 70% (Cft)	Available Quantity (Cft)	Balance quantity required (Cft)	Tentative Cost required stone (Rs. in million)	Remarks.
1	159,000	111,300	47,150	64,150	-	

14.2: DETAIL OF INLET AND OUTLET CROSSING ALONG WITH CLOSING METHODOLOGY.

Sr. No.	Name of Bund / Spur	RD	Outlet / Inlet	Existing Position	Closing Methodology
THERE IS NO INLET OR OUTLET CROSSING AT EMBANKMENT OF DEG NULLAH					

14.3: DEPLOYMENT OF MACHINERY (NORMAL TO LOW FLOOD)

Sr. No.	Name of Structure	Length in Mile	Vulnerable Reach	Camp Location	Site In-charge by Name & Cell No.	Machinery Deployed					Availability of Stone (Cft)
						Excavator	Dozer	Trolleys/ Dumpers	Tractor with front blade	Labour Beldar + Mate	
1	2	3	4	5	6	**7**	**8**	**9**	**10**	**11**	12
	Flood Protection along Deg Nullah										
1	Left Marginal Bund along Deg Nullah R.D.0-20700.	4.14	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	2	1	2	1	4	-
2	Right Marginal Bund along Deg Nullah R.D.0-18100.	3.62	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	-	-	-	-	-	-
Sub Total						**2**	**1**	**6**	**2**	**22**	**47150**
	Flood Protection Bunds along Aik Nullah										
3	Ura Bridge RD 163+150 to 166 L&R.	1.39	-	Ura Bridge at RD 163+150	Abdur Rehman 0334-8145435	1	-	2	1	12	-
4	D/S Railway Bridge to Mohala Shujabad.	-	-	D/S Railway RD 149+500	Abdur Rehman 0334-8145435	1	-	4	1	17	-
5	Hajipura Bund RD 0-12500.	2.37	Village Bogra	Village Bogra	Abdur Rehman 0334-8145435	1	-	2	1	17	-
6	Sialkot-Daska Road Bridge.	-	132+500	Sialkot-Daska Road Bridge	Abdur Rehman 0334-8145435	1	-	2	1	17	-
7	Village Butter & Miani	-	118-119/L	Village Butter & Miani	Abdur Rehman 0334-8145435	1	-	2	1	17	-
Sub Total						**5**	**-**	**12**	**5**	**80**	**-**
TOTAL						**7**	**1**	**18**	**7**	**102**	

14.4: DEPLOYMENT OF MACHINERY (HIGH TO VERY HIGH FLOOD)

Sr. No.	Name of Structure	Length in Mile	Vulnerable Reach	Camp Location	Site In-charge by Name & Cell No.	Machinery Deployed					Availability of Stone (Cft)
						Excavator	Dozer	Trolleys/ Dumpers	Tractor with front blade	Labour Beldar + Mate	
1	2	3	4	5	6	**7**	**8**	**9**	**10**	**11**	12
	Flood Protection along Deg Nullah										
1	Left Marginal Bund along Deg Nullah R.D.0-20700.	4.14	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	4	2	4	4	8	-
2	Right Marginal Bund along Deg Nullah R.D.0-18100.	3.62	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	-	-	-	-	-	-
Sub Total						**8**	**2**	**12**	**8**	**26**	**47150**
	Flood Protection Bunds along Aik Nullah										
3	Ura Bridge RD 163+150 to 166 L&R.	1.39	-	Ura Bridge at RD 163+150	Abdur Rehman 0334-8145435	4	-	8	4	24	-
4	D/S Railway Bridge to Mohala Shujabad.	-	-	D/S Railway RD 149+500	Abdur Rehman 0334-8145435	4	-	8	4	30	-
5	Hajipura Bund RD 0-12500.	2.37	Village Bogra	Village Bogra	Abdur Rehman 0334-8145435	4	-	8	4	30	-
6	Village Nagoor	-	111-112/L	Village Nagoor	Abdur Rehman 0334-8145435	4	-	8	4	30	-
7	Village Dhane	-	120-121/R	Village Dhane	Abdur Rehman 0334-8145435	4	-	8	4	30	-
Sub Total						**20**	**-**	**40**	**20**	**144**	**-**
TOTAL						**28**	**2**	**52**	**28**	**170**	**47150**

14.5: DEPLOYMENT OF MACHINERY (VERY HIGH TO EXCEPTIONAL HIGH FLOOD)

Sr. No.	Name of Structure	Length in Mile	Vulnerable Reach	Camp Location	Site In-charge by Name & Cell No.	Machinery Deployed					Availability of Stone (Cft)
						Excavator	Dozer	Trolleys/ Dumpers	Tractor with front blade	Labour Beldar + Mate	
1	2	3	4	5	6	**7**	**8**	**9**	**10**	**11**	12
	Flood Protection along Deg Nullah										
1	Left Marginal Bund along Deg Nullah R.D.0-20700.	4.14	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	5	3	4	3	10	-
2	Right Marginal Bund along Deg Nullah R.D.0-18100.	3.62	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	3	2	2	3	-	-
Sub Total						**18**	**11**	**14**	**15**	**55**	**47150**
	Flood Protection Bunds along Aik Nullah										
3	Ura Bridge RD 163+150 to 166 L&R.	1.39	-	Ura Bridge at RD 163+150	Abdur Rehman 0334-8145435	5	-	4	3	25	-
4	D/S Railway Bridge to Mohala Shujabad.	-	-	D/S Railway RD 149+500	Abdur Rehman 0334-8145435	5	-	4	3	25	-
5	Daburgi Maliyan	-	132+500	Daburgi Maliyan	Abdur Rehman 0334-8145435	5	-	4	3	27	-
Sub Total						**15**	**-**	**12**	**9**	**77**	**-**
TOTAL						**33**	**11**	**26**	**24**	**132**	**47150**

14.6: POLICE DEPLOYMENT PLAN

Proforma-1

Sr. No.	Site of breaching section	Concerned Canal Division	Concerned Police Station and District	Police Persons Deployed		Remarks (if any)
				Inspector / Sub Inspector / ASI	Constable	
1	NOT APPLICABLE					

Proforma-2

Sr. No.	Site of breaching section	Concerned Canal Division	Concerned Police Station and District	Police Persons Deployed		Remarks (if any)
				Inspector / Sub Inspector / ASI	Constable	
1	RD 98-111/L BRBD Link Canal	Pasrur Link Division Sialkot	Police Station Strah, Sialkot	1	4	The peoples of adjoin area making cuts every year.
2	RD 80-85/L BRBD Link Canal	Pasrur Link Division Sialkot	Police Station Strah, Sialkot	1	4	

Proforma-3

Sr. No.	Name of Barrage	Concerned Canal Division	Concerned Police Station and District	Police Persons Deployed		Remarks (if any)
				Inspector / Sub Inspector / ASI	Constable	
1	NOT APPLICABLE					

14.7: DETAILS OF SYNTHETIC BEGS WITH CAPACITY OF 50KG AND 100KG.

Sr. No.	Name of Structure	Length in Mile	Vulnerable Reach	Camp Location	Site Incharge by Name & Cell No.	No. Synthetic Bags			
						50 kg	100 kg	50 kg	100 kg
						Available		Required	
1	2	3	4	5	6	7	8	9	10
	Flood Protection along Deg Nullah								
1	Left Marginal Bund along Deg Nullah R.D.0-20700	4.14	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	-	-	-	-
2	Right Marginal Bund along Deg Nullah R.D.0-18100	3.62	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	-	-	-	-
	Flood Protection Bunds along Aik Nullah								
3	Ura Bridge RD 163+150 to 166 L&R.	1.39	Ura Bridge RD 163+150 to 166 L&R.	RD 163+150	Abdur Rehman 0334-8145435	-	-	500	1000
4	D/S Railway Bridge to Mohala Shujabad.	-	D/S Railway Bridge to Mohala Shujabad.	D/S Railway RD 149+500	Abdur Rehman 0334-8145435	-	-	500	1000

14.8: DETAIL OF POLYTHENE SHEETS OF BLACK COLOUR TO PROTECT UPSTREAM SLOPE AGAINST WAVE ACTION AND CONTROL SEEPAGE THROUGH EMBANKMENT.

Polythene sheets of black colour to protect upstream slope against wave action and control seepage (avg: 20ft Width) = 500 Rft

14.8: DETAIL OF POLYTHENE SHEETS OF BLACK COLOUR TO PROTECT UPSTREAM SLOPE AGAINST WAVE ACTION AND CONTROL SEEPAGE THROUGH EMBANKMENT.

Sr. No.	Name of Structure	Length in Mile	Vulnerable Reach	Camp Location	Site Incharge by Name & Cell No.	No. Synthetic Bags		Plastic Sheet (Sft)
						Available	Required	
1	2	3	4	5	6	7	8	9
	Flood Protection along Deg Nullah							
1	Left Marginal Bund along Deg Nullah R.D.0-20700	4.14	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	-	-	-
2	Right Marginal Bund along Deg Nullah R.D.0-18100	3.62	-	RD 220+122 MRL Deg Rest House	Ihtisham 0323-7913501	-	-	-
	Flood Protection Bunds along Aik Nullah							
3	Ura Bridge RD 163+150 to 166 L&R.	1.39	Ura Bridge RD 163+150 to 166 L&R.	RD 163+150	Abdur Rehman 0334-8145435	-	-	-
4	D/S Railway Bridge to Mohala Shujabad.	-	D/S Railway Bridge to Mohala Shujabad.	D/S Railway RD 149+500	Abdur Rehman 0334-8145435	-	-	-

CHAPTER-15

BACK UP DIVISIONS

BACKUP DIVISIONS.

Gujranwala Drainage Division as sister Division of Pasrur Link Division Sialkot will cooperate in case of any emergency during the flood season.

Executive Engineer Pasrur Link Division Sialkot	**Superintending Engineer** Link Circle, Lahore	**Chief Engineer** Irrigation Lahore Zone Lahore