

**CHECKED**  
**2006-07**

3 -

1	2	3	4	5	6	7
(ii)	Missarpura, Massanian, Rangalpura and Chahal.	Batala Drain.	Left	18,000	15,000	8.0
(iii)	J. Khawal	Vallah Drain	Source	28,000	5,000	5.0

4. As authorised by the Commission, the inspection of item Nos. (iv), (v) and (vii) to (x), Paragraph 1 above and item Nos. (vii) to (xvii) of Paragraph 2 above was carried out on its behalf by the advisers.

5. This tour of inspection was undertaken at the request of the Pakistan Commissioner for Indus Waters under Article VIII(4)(d) of the Treaty.

6. During this tour of inspection, the two Commissioners were accompanied by the following advisers :-

INDIA

1. Shri G.S. Sidhu on 12.2.69  
Shri B.R. Saini on 13.2.69  
Shri J.S. Sandhu on 14.2.69
2. Shri S.P. Gupta.

PAKISTAN

1. Syed Habib-ur-Rahman
2. Mr. Abdul Rahim

Sd/-

( P.R. Ahuja )  
Commissioner for Indus Waters,  
Government of India.

Sd/-

( Khalil-ur-Rahman ) T.Pk.,  
Pakistan Commissioner for Indus Water,  
Government of Pakistan.

Amritsar  
16th February 1969.

1	2	3	4	5	6	7	8
(ix)	Ram Dewali, Rupovali, Chogawan, Talwandi, Bajaj, Roopwali Kalan, Roopwali Khurd and Jagatpura.	Kasur Nala	Right	300,000	20,000	5.0	14.2.69
(x)	Kikanpura, Bhullar and Pudhar.	-do-	Right	305,000	8,000	5.0	14.2.69
(xi)	Waryam, Jhande and Kathunangal.	Makhan-windi Drain.	Right	28,000	17,000	10.0	14.2.69
(xii)	Chachowali, Pakharpura and Saineywali.	-do-	Left	58,000	7,500	5.0	14.2.69
(xiii)	Mattewal.	Mattewal Drain.	Left	29,000- 30,000	3,000	6.0	14.2.69
(xiv)	Ram Dewali Hinduwan.	-do-	Left	35,000- 36,000	5,000	8.0	14.2.69
(xv)	Bagga.	-do-	Right	36,000- 37,000	7,500	7.0	14.2.69
(xvi)	Kalerbala.	-do-	Left	42,000- 43,000	2,500	7.0	14.2.69
(xvii)	Uddokey.	-do-	Right	46,000- 47,000	4,500	6.0	14.2.69

3. The following three tributary drains which, according to the Indian Commissioner, exist at site, were not inspected by the Commission

S.No.	Villages served by the drain.	Parent Channel into which tributary drain outfalls.		Approx. length of the tributary drain in ft.	Approx. Bed width near the outfall in ft.	
		Name	Side R/L			
1	2	3	4	5	6	7
(1)	Kotla, Dhadey, Fatupilla and Laherkay.	Kasur Nala	Right	342,000	10,000	5.0

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Item	Particulars	Average value (cusecs)
<u>PART F</u>		
23.	Withdrawals due to India, as at Ferozepore, after allowing for (22) = (7) - (22).	
24.	Excess, if any, of (23) over (7) = (23) - (7). If negative, take as zero.	
25.	Excess similar to (24) brought forward: (a) From the preceding Period = 28 (a) of preceding Period multiplied by number of days in the preceding Period divided by number of days in the current Period. (b) From the next preceding Period = 28 (b) of preceding Period multiplied by number of days in preceding Period divided by number of days in the current Period. (c) Total = (a) + (b).	
26.	Portion of (25) adjusted during the current Period: (a) Total adjusted = 25(c) limited to (22), if (22) is positive; Zero if (22) is zero or negative. (b) Adjustment of excess from next preceding Period = 25(b) limited to 26(a). (c) Adjustment of excess from preceding Period = 25(a) limited to $26(a) - 26(b)$ .	
27.	Portion of 25(a) not adjusted during the current Period = 25(a) - 26(c).	
28.	Excess to be carried over to the next Period for adjustment under Paragraph 46(e) : (a) From the current Period = (24) limited to * (b) From the preceding Period = (27) limited to * minus 28(a)	
29.	Delivery due to Pakistan at Ferozepore after adjustment under Paragraph 46(e) = (22) - 26(a), If negative, take as zero.	

\* For May 1-10, these will be 19(a) and 19(b) respectively of form 1(a) for April 21-30.

\* 2,000 cusecs from May 1-10 to May 21-31.  
3,000 cusecs from June 1-10 to 11-20 and zero for June 21-30.

Item	Particulars	Average value (cusecs)
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PART G

30. Brought forward from the preceding Period = (34) of the preceding Period multiplied by the number of days in the preceding Period divided by the number of days in the current Period. / For May 1-10, take (30) as (27) of Form 1(a) for April 21-30.
31. Adjusted delivery due to Pakistan at Ferozepore = (29) - (30).

PART H

32. Actual delivery to Pakistan at Ferozepore Below.
33. Excess (+) or deficit (-) in deliveries to Pakistan at Ferozepore = (32) - (31).
34. Excess (+) or deficit (-) to be carried over to the succeeding Period under Paragraph 46.

Form No. 1(g)-  
 Water-account as at Ferozepore for the Periods  
 July 1-10 and 11-20, 1968.

Water-accounting Period (Ferozepore dates) \_\_\_\_\_, 1968

Item	Particulars	Average value (cusecs)
1.	Delivery due to Pakistan at Ferozepore under Paragraph 29*	
2.	Reduction in delivery to Pakistan at Ferozepore under Paragraph 81 = Average in Col. (5) of Form No. 16 limited to a maximum of 1,000 cusecs.	
3.	Delivery due to Pakistan at Ferozepore under Paragraphs 29, 30 and 81 = (1) - (2)	
4.	Brought forward from the preceding Period. = (9) ** of the preceding Period.	
5.	Adjusted delivery due to Pakistan at Ferozepore = (3) - (4)	
6.	Actual delivery to Pakistan at Ferozepore below.	
7.	(6) limited to (1)	
8.	Excess (+) or deficit (-) in deliveries to Pakistan at Ferozepore = (7) - (5)	
9.	Excess (+) deficit (-) to be carried over to the succeeding Period under Paragraph 46.	

\*This equals 3,000 cusecs for July 1-10 and 4,000 cusecs for July 11-20, 1968.

\*\*For July 1-10, this will be Item (34) of Form No.1(f) for June 21-30, 1968.

ANNEXURE III

FORM NO. 16

Estimation of the maximum reduction in delivery  
during May 1-10 to July 11-20, 1968.  
(Paragraph 81)

Water-accounting Period (Ferozepore dates)-----

Date	Rasul- Qadirabad Link at Head	Qadirabad - Balloki Link at Head	Qadirabad - Balloki Link at Tail	Maximum reduction in delivery
(1)	(2)	(3)	(4)	(5)

Total  
(cusec-days)

Average  
(Cusecs)

\* This will equal zero, if either (2) or (3) is zero, and n times  
(4), if both (2) and (3) exceed zero, where n equal 0.6 during  
May 1-10, 0.65 during May 11-20 and 0.70 during May 21-31 .  
to July 11-20.

RECORD OF THE TWENTYNINTH MEETING OF THE PERMANENT INDUS COMMISSION HELD AT NEW DELHI FROM 25TH TO 30TH DECEMBER 1968

PRESENT

PERMANENT INDUS COMMISSION

Shri P.R. Ahuja, Commissioner for Indus Waters, Government of India. Mian Khalil-ur-Rahman, T.Pk., Pakistan Commissioner for Indus Waters, Government of Pakistan.

ADVISERS TO COMMISSIONERS

- |   |  |
|---|--|
| 1. Dr. J.K. Malhotra, Consultant, Ministry of Irrigation and Power, Government of India.              | 1. Syed Habib-ur-Rahman, Director, Office of the Pakistan Commissioner for Indus Waters, Government of Pakistan. |
| 2. Shri O.P. Chadha, Deputy Secretary, Ministry of Irrigation and Power, Government of India.         | 2. Mr. Bashir Ahmad, Deputy Commissioner for Indus Waters, Government of Pakistan.                               |
| 3. Shri E.K.S. Mathur, Deputy Director, Ministry of Irrigation and Power, Government of India.        |  |
| 4. Shri K.S. Sharma, Deputy Director, Ministry of Irrigation and Power, Government of India.          |  |
| 5. Shri S.P. Gupta, Deputy Indus Commissioner, Ministry of Irrigation and Power, Government of India. |  |

The Commission held its 29th meeting at New Delhi from 25th to 30th December 1968. At this meeting, the Commission discussed the programme for its future meetings and tours of inspection and agreed on the following schedule:-

Tours/meetings

Approximate schedule for commencement

- 1) Special Tour of Inspection of certain works and sites on The Sutlej requested by the Pakistan Commissioner.

Third week of January 1969.

- ii) Special Tour of Inspection of the remaining portion of the Kasur Mala Drainage System in India. Second week of February 1969.
- iii) 30th Meeting of the Commission. Second week of April 1969.
- iv) Fifth Part of the Second General Tour of Inspection. Third week of May 1969.
- v) Sixth Part of the Second General Tour of Inspection. Third week of June 1969.
- vi) Seventh Part of the Second General Tour of Inspection. Second week of July 1969.
- vii) 31st Meeting of the Commission. Third week of August 1969.
- viii) Eighth Part of the Second General Tour of Inspection. Second week of September 1969.

2. The Commission reviewed the question of the preparation of the Forms of Water-account under Paragraph 41 of Annexure H, in the context of the additional provisions for the period from 11th September 1968 to 31st March 1969 as agreed upon at the previous meeting. After consideration, the Commission decided that the existing forms could be utilized as they stood, with the exception of Form No. 7 which should be suitably revised.

Form No. 7 was modified accordingly. A copy of the modified Form No. 7 is attached as Annexure to this record.

3. The two Commissioners discussed the following items:-

i) Amendment of Paragraph 35 of Annexure H

The two Commissioners agreed to amend Paragraph 35 of Annexure H by the addition of the following after "B.R.B.D. escapes; inside the parenthesis after "the Ravi Component at Balloki Above", in the said Paragraph:

minus the releases into the Ravi Main below Hadropur under the provisions of Paragraph 20  
minus the delivery at C.B. Link outfall".

The two Commissioners also agreed to take appropriate action, in regard to the above, towards an exchange of letters between the two Governments under the provisions of Paragraph 67 of Annexure H.

ii) Procedure for signing of enclosures to communications between the Commissioners

The question of signing the unsigned enclosures to the communications between the two Commissioners, in accordance



with the decision taken at the 13th Meeting of the Commission, was further discussed. It was felt that it might not be necessary to sign all the unsigned enclosures already on record. After consideration, it was agreed that only the attested copies of such enclosures as were considered essential by the receiving Commissioner in this context, would be furnished by the other Commissioner. For this purpose, each Commissioner would supply to the other a list of the unsigned enclosures of which attested copies were to be supplied.

(iii) Supply of data regarding the quantity of material dredged from the Jhelum Main

This item was discussed and it was decided that, without prejudice to the views held by either side, the Indian Commissioner would supply the information regarding the volume of the material dredged from the river.

(iv) Hudiana Drainage System

The two Commissioners discussed this item and decided to discuss it further at a subsequent meeting.

Sd/-  
(P.R. Ahuja) 30/12/68  
Commissioner for Indus Waters,  
Government of India.

Sd/-  
(Khalil-ur-Rehman) T.Pk.,  
Pakistan Commissioner for Indus  
Waters,  
Government of Pakistan.

New Delhi,  
30th December, 1968.

ANNEXURE

FCRM NO. 7

Estimation of the Ravi Component at Balloki Above

(March 1 - 17 to 21 - 31 only)

(Paragraph 35)

Water-accounting Period (Ferozepore Dates) .....19.....

<u>Item</u>	<u>Particulars</u>	<u>Average value</u> (cusecs)
1.	Total supply at Balloki Above.	
2(a).	Delivery at U.C.C. tail.	
2(b).	Delivery at M.R. Link outfall.	
2(c).	Delivery into the Ravi Main through B.R.B.D. escapes.	
3(a).	Releases into the Ravi Main below M-dhopur under the provisions of Paragraph 27.	
3(b).	Delivery at C.P. Link outfall.	
4.	Aggregate of 2(a), 2(b), 2(c), 3(a) and 3(b).	
5.	Ravi Component at Balloki Above= $\frac{1}{2}(1) - (4)$ limited to a minimum of zero.	

Appendix 1.

RECORD OF THE THIRTYFOURTH TOUR OF INSPECTION  
BY THE PERMANENT INDUS COMMISSION UNDERTAKEN  
FROM 9TH TO 13TH OCTOBER 1968 AS THE THIRD  
PART OF THE SECOND GENERAL TOUR OF INSPECTION  
UNDER ARTICLE VIII(4)(c) OF THE INDUS WATERS  
TREATY 1960.

The Commission undertook the third part of the Second General Tour of Inspection, under Article VIII(4)(c) of the Treaty, from 9th to 13th October 1968 and inspected the following on the

Ravi:-

<u>S.No.</u>	<u>Rivers and Works inspected</u>	<u>Date or dates on which inspected</u>
1.	Ravi Main at its two crossings with Grand Trunk road and its crossing of Lahore-Shahdara Railway line.	9.10.1968
2.	Lahore Flood Protection Bund from Grand Trunk Road to its junction with Lahore-Multan Road.	9.10.1968
3.	Balloki Headworks including (i) The head regulator of Lower Bari Doab Canal and (ii) The head regulator of Balloki - Suleimanke link.	10.10.1968
4.	Left Marginal Bund of Balloki Head works from R.D. Zero to R.D. 11,000.	10.10.1968
5.	Left Flood Embankment of Balloki Head works from R.D. Zero to R.D. 29,400 including:-	
	(i) Spur No. 1 at R.D. 3,320 of left Flood Embankment, from R.D. Zero to R.D. 4,750.	
	(ii) Spur No. 2 at R.D. 8,700 of left Flood Embankment, from R.D. Zero to R.D. 3,380.	
	(iii) Spur No. 8 at R.D. 12,750 of left Flood Embankment, from R.D. Zero to R.D. 2,800.	
	(iv) Spur No. 9 at R.D. 19,828 of Left Flood Embankment, from R.D. Zero to R.D. 3,265.	10.10.1968

Contd....2

<u>S.No.</u>	<u>Rivers and Works inspected</u>	<u>Date or dates on which inspected</u>
6.	Right Flood Embankment of Balloki Headworks from R.D. Zero to R.D. 29,550 including:- (i) Spur No. 10 at R.D. 1,700 of Right Flood Embankment, from R.D. Zero to R.D. 1,880. (ii) Spur No. 3 at R.D. 3,500 of Right Flood Embankment, from R.D. Zero to R.D. 1,330. (iii) Spur No. 4 at R.D. 5,900 of Right Flood Embankment, from R.D. Zero to R.D. 2,300. (iv) Spur No. 6 at R.D. 9,250 of Right Flood Embankment, from R.D. Zero to R.D. 4,800. (v) Spur No. 5 (New) at R.D. 18,000 of Right Flood Embankment, from R.D. Zero to R.D. 5,360.	11.10.1968
7.	Ravi Protection Bund (Right Bank) from R.D. Zero to R.D. 26,800.	11.10.1968
8.	Flood Embankment from R.D. Zero to R.D. 25,680 along Madho Das Minor.	11.10.1968
9.	Leading cut from Tail Regulator of Qadirabad-Balloki Link to its junction with the river creek.	11.10.1968
10.	Tail Regulator of Qadirabad-Balloki Link.	11.10.1968
11.	Dev Diversion from R.D. 23,000 to R.D. 80,000.	11.10.1968
12.	Sharapur Town Flood Embankment from R.D. Zero to R.D. 4,280.	11.10.1968
13.	Shahdara Flood Protection Bund from R.D. Zero to R.D. 15,750 and its 5 spurs.	12.10.1968
14.	Flood Protection Bund along left bank of Shahdara Distributary from its head to its junction with Shahdara Flood Protection Bund.	12.10.1968
15.	B.R.B.D. Link escapes at R.D. 205,000 Left and 279,000 Right into the Ravi Main to the extent visible from the E.R.E.D. Link.	12.10.1968

<u>S.No.</u>	<u>Rivers and Works inspected</u>	<u>Date or dates on which inspected</u>
16.	Old Creek of Ravi River near village Ghazi Keka.	12.10.1968
17.	Ravi Syphon (B.R.B.D. Link)	12.10.1968
18.	11 No. spurs each 500 feet long on the left bank of B.R.B.D. Link between R.D. 246,000 and R.D. 279,000.	12.10.1968
19.	M.R. Link Out-fall into the Ravi Main.	12.10.1968
20.	Jajogill Bund R.D. Zero to R.D. 8,000.	12.10.1968
21.	Lahore Protection Bund from Grand Trunk Road to its end near village Mahmood Booti.	12.10.1968
22.	The Ravi Main and its tributaries to the extent visible from the works listed against items (1) to (21) above and from Lahore-Balloki Road and Lahore-Mangtanwala Road upto its crossing with Qadirabad-Balloki Link.	9.10.1968 to 12.10.1968

2. As authorised by the Commission, the inspection of Jajogill Bund referred to in S.No.20 above, was carried out, on its behalf, by the advisers.

3. During this tour of inspection, the two Commissioners were accompanied by the following advisers:-

India

1. Shri C.P. Chadha.
2. Shri B.K.S. Mathur.

Sd/-  
(P.R. Ahuja)  
Commissioner for Indus Waters,  
Government of India.

Pakistan

- (1) Syed Habib-ur-Rahman.
- (2) Mr. Z.A. Khan Burki.

Sd/-  
(Khalil-ur-Rahman)T.Pk.,  
Pakistan Commissioner for Indus  
Waters,  
Government of Pakistan.

Lahore,  
13th October, 1968.

366-1168

RECORD OF THE THIRTYFIFTH TOUR OF INSPECTION  
BY THE PERMANENT INDUS COMMISSION UNDERTAKEN  
FROM 5TH TO 12TH NOVEMBER 1968 AS THE FOURTH  
PART OF THE SECOND GENERAL TOUR OF INSPECTION  
UNDER ARTICLE VIII(4)(c) OF THE INDUS WATERS  
TREATY 1960.

The Commission undertook the fourth part of the Second General Tour of Inspection, under Article VIII(4)(c) of the Treaty, from 5th to 12th November 1968 and inspected the following on the Ravi :-

<u>S.No.</u>	<u>Rivers and Works Inspected</u>	<u>Date or dates on which inspected</u>
1	Offtake of Shahpur Kandi Lift Irrigation Scheme No.1.	6.11.1968
2	Offtake of Shahpur Kandi Lift Irrigation Scheme No.2.	6.11.1968
3	Offtake of Shahpur Kandi Lift Irrigation Scheme No.3.	6.11.1968
4	Offtake of Shahpur Kandi Lift Irrigation Scheme No.4.	6.11.1968
5	Bhabhan Nala and its tributaries to the extent visible, from their crossings with Ujh Canal at RD's 94,000, 103,000, 107,000 and 114,000.	7.11.1968
6	Bhabhan Nala, to the extent visible, from its crossing with Samba-Sunjan road and opposite village Dulna Chak.	7.11.1968
7	Basantar River, to the extent visible, at its crossing with Samba-Jammu road and from the village road to Phulpur.	7.11.1968
8	Devak River, to the extent visible, at its crossing with Samba-Jammu road and at its confluence with Basantar River.	7.11.1968
9	Ravi Main, to the extent visible, at its crossing with Pathankot-Jammu road.	7.11.1968
10	Madhopur Headworks including :- (i) the Head Regulators of Upper Bari Doab Canal. (ii) the Head Regulator of Kashmir Canal.	7.11.1968

<u>S.No.</u>	<u>Rivers and Works Inspected</u>	<u>Date or dates on which inspected</u>
11	The confluence of Suil River with the Ravi Main, to the extent visible, from the Pathankot-Chamba road.	8.11.1968
12	Ravi Main and its tributaries, to the extent visible, from Chamba-Koti road.	9.11.1968
13	Suil River and its tributaries, to the extent visible, from Koti-Tissa road upto its crossing with Bhaledh Nala.	9.11.1968
14	Suil River and its tributaries, to the extent visible, from village Koti to the outfall of Thara Nala in Suil River (7 km from Sundla).	9.11.1968
15	Ravi Main and its tributaries, to the extent visible, from Pathankot-Chamba road.	10.11.1968

2. As authorised by the Commission, the inspection of Suil River from village Koti to outfall of Thara Nala referred to in S.No.14 above, was carried out, on its behalf, by the advisors.

3. During this tour of inspection, ~~the two Commissioners were~~ accompanied by the following advisers :-

I N D I A

1. Shri B.K.S. Mathur
  2. Shri V.P. Duggal  
on 5.11.68 and 6.11.68
- Shri O.P. Khullar  
on 7.11.68
- Shri S.M. Kapur  
on 9.11.68

Sd/- P.R. Ahuja  
Commissioner for Indus Waters,  
Government of India.

Jullundur,  
November 12, 1968.

PAK I S T A N

1. Syed Habib-ur-Rahman
2. Mr. Abdul Rahim

Sd/- Khalil-ur-Rahman, T. Pk  
Pakistan Commissioner for Indus  
Waters,  
Government of Pakistan.

RECORD OF THE THIRTYSECOND TOUR  
OF INSPECTION BY THE PERMANENT  
INDUS COMMISSION UNDERTAKEN FROM  
23RD TO 28TH MAY 1968.

The Permanent Indus Commission undertook a tour of inspection from 23rd to 28th May 1968 and inspected the following works and sites on the dates shown against each:-

<u>S.No.</u>	<u>Works and Sites inspected</u>	<u>Date on which inspected</u>
1.	Left Marginal Bund of Marala Headworks from R.D. Zero to tail R.D. 66,977 and spurs at its R.D's 3,660, 5,100, 7,600, 10,000, 12,811, 19,745, 22,400, 25,745, 28,450, 31,045, 35,070, 37,000 and 38,700 to the extent visible from the Left Marginal Bund.	24.5.68.
2.	Chenab Main at its confluence with the Jammu Tawi and opposite village Bada Sidhra.	24.5.68
3.	Jammu Tawi opposite village Rargala (reported washed away) near village Ikramabad.	24.5.68
4.	The Chenab Main and its tributaries to the extent visible from the Left Marginal Bund of Marala Headworks.	24.5.68
5.	Hasri Nala opposite villages Sabz Pir and Nakwal.	25.5.68
6.	Nikki Deg opposite villages Kangre and Nakhnal.	25.5.68
7.	Deg Nadi opposite villages Zafarwal and Deoli.	25.5.68
8.	Marala Headworks including the Head Regulators of Upper Chenab Canal and Marala-Ravi Link.	26.5.68

Contd.....2



-: 2 :-

2. This tour of inspection was undertaken at the request of the Commissioner for Indus Waters, Government of India, under Article VIII(4)(d) of the Indus Waters Treaty 1960.

3. During this tour of inspection the two Commissioners were accompanied by the following advisers:-

India

1. Shri B.K.S. Mathur

Pakistan

1. Mr. Z.A. Khan Burki.

2. Mr. Abdul Rahim.

Sd/-

( O.P. Chadha )

Commissioner for Indus Waters,  
Government of India.

Sd/-

(Syed Habib-ur-Rahman)

Pakistan Commissioner for  
Indus Waters,  
Government of Pakistan.

Lahore,  
May 28th, 1968.

'JCK'

30.5.68.

RECORD OF THE THIRTYTHIRD TOUR OF INSPECTION  
BY THE PERMANENT INDUS COMMISSION UNDERTAKEN  
FROM 25TH JUNE TO 2ND JULY 1968.

The Permanent Indus Commission undertook a tour of inspection from 25th June to 2nd July 1968 and inspected the following works and sites on the dates shown against each:-

S.No.	Works and sites inspected	Date on which inspected
1.	Basantar River at its crossing of Samba-Jammu road.	26.6.68
2.	Devak River at its crossing of Samba-Jammu road.	26.6.68
3.	Ujh River at the offtake of Ujh Canal and its crossings of Samba-Kathua and Samba-Madhonpur roads.	26.6.68
4.	Bein River at its crossing of Samba-Kathua road.	26.6.68
5.	Bein River at its crossing of Ujh Canal.	26.6.68
6.	Tarnah River at its crossing of Samba-Kathua road.	26.6.68
7.	Tarnah River at its crossing of Ujh Canal.	26.6.68
8.	The left arm of the Chenab Main from near Akhnur to its confluence with Wadi Tawi.	28.6.68
9.	Head Regulator (under construction) of Saharan Kuhl, Flood Protection Bund opposite village Colepattan and two spurs (under construction) near village Deoranapu.	28.6.68
10.	Head Regulator of Partap Canal.	28.6.68
11.	The right arm of the Chenab Main from near Akhnur to opposite village Indri and to the extent visible from there.	28.6.68
12.	Flood Protection Bund and spurs at Pargwal and Sajjwal on the left bank as visible from the right bank of right arm of the Chenab Main.	28.6.68
13.	The Chenab Main near village Nawanshehr (Hamirpur Sidhar) and to the extent visible from there.	29.6.68
14.	Two spurs near village Pangali on the right bank.	29.6.68

15. Munawwar Tawi near village Munawwar and to the extent visible from there. 29.6.68
16. Munawwar Tawi from its crossing with Jammu-Chhamb road to opposite village Chhaprial and to the extent visible from these places. 29.6.68
17. Head Regulator of Ranbir Canal. 29.6.68
18. Aik Nala from opposite village Atewali to its confluence with Dhamala Nala. 30.6.68
19. Dhamala Nala from its outfall into Aik Nala to a point near village Pindi. 30.6.68
20. Palkhu Nala from Nawanshehr to opposite Suchetgarh. 30.6.68
21. Two tributary drains of Palkhu Nala on either side near village Rangpur Sidhra to the extent visible from the point of their outfalls. 30.6.68
22. Jammu Tawi at its crossings of Samba-Jammu road and Ranbir Canal. 1.7.68
23. Nikki Tawi from the point of its offtake from Jammu Tawi to opposite village Jawalapur and to the extent visible from there. 1.7.68

2. As authorised by the Commission, the inspection of items referred at serial No. 5,7,14 & 21 of paragraph 1 above, was carried, on its behalf, by the advisers.

3. This tour of inspection was undertaken at the request of the Pakistan Commissioner for Indus Waters under Article VIII(4)(d) of the Indus Waters Treaty 1960.

4. During the tour of inspection, the two Commissioners were accompanied by the following advisers:-

INDIA

1. Shri C.P. Khullar
2. Shri B.K.S. Mathur

PAKISTAN

1. Syed Habib-ur-Rahman
2. Mr. Z.A. Khan Burki

Sd/-

( P.R. Ahuja )

Commissioner for Indus Waters,  
Government of India.

Sd/-

(Khalil-ur-Rahman) T.Pk.,  
Pakistan Commissioner for  
Indus Waters,  
Government of Pakistan.

Jammu,  
2nd July, 1968

RECORD OF THE THIRTYSIXTH TOUR OF INSPECTION  
BY THE PERMANENT INDUS COMMISSION UNDERTAKEN  
FROM 14TH TO 21ST JANUARY 1969.

The Permanent Indus Commission undertook a tour of inspection from 14th to 21st January 1969 and inspected the following works on the dates shown against each:-

S.No.	Works Inspected	Date on which inspected
1.	Thehgalandar Drain from its source at R.D. 21,000 to its outfall into Turkanwali Drain.	14.1.1969
2.	Turkanwali Drain from its source at R.D. 30, 150 to its outfall into Salimshah Drain.	14.1.1969
3.	Salimshah Drain from the outfall of Turkanwali Drain upto Indo-Pakistan Border.	14.1.1969
4.	Fazilka Drain from near Fazilka Town to a point about 16,000 feet from Indo-Pakistan Border and to the extent visible from there.	15.1.1969
5.	Fazilka Drain from the Indo-Pakistan Border to the bridge about 1,500 feet upstream of Indo-Pakistan Border and to the extent visible from the bridge.	15.1.1969
6.	Sabuana Drain from its outfall into Fazilka Drain to its source at R.D.43,500.	15.1.1969
7.	Sureshwala Drain from its source at R.D. 20,600 to its outfall into Sabuana Drain.	15.1.1969
8.	Kaurianwali Drain from R.D. 26,000 to its outfall into Sabuana Drain.	15.1.1969
9.	Kaurianwali Drain from its source at R.D. 64,500 to R.D. 26,000.	15.1.1969
10.	Tarobari Drain from R.D. 61,920 to its outfall into Jalalabad Drain.	16.1.1969
11.	Jalalabad Drain from R.D. 15,000 to R.D. 6,000 and at its outfall into Jalalabad-Mauzam Drain and to the extent visible from its outfall.	16.1.1969
12.	Jalalabad-Mauzam Drain from its outfall into the Sutlej Main to its source at R.D. 116,000.	16.1.1969

<u>S.No.</u>	<u>Works Inspected</u>	<u>Date on which inspected</u>
13.	Chandbhan outfall Drain from its outfall into Jalalabad-Mauzam Drain to R.D. 65,000.	16.1.1969
14.	Langiana Drain at its crossing with Ferozepur-Kotkapura road and to the extent visible from there.	16.1.1969
15.	Pucca Drain at its crossing with Ferozepur-Kotkapura road and to the extent visible from there.	16.1.1969
16.	Mudki Drain at its crossing with Ferozepur-Kotkapura road and to the extent visible from there.	16.1.1969
17.	Golewala Drain at its crossing with Ferozepur-Kotkapura road and to the extent visible from there.	16.1.1969
18.	Chandbhan Outfall Drain from R.D. 65,000 to its source at R.D. 204,000.	17.1.1969
19.	Chandbhan Drain from its outfall to R.D. 40,000.	17.1.1969
20.	Outfall of Smadh Bhai Drain into Chandbhan Drain.	17.1.1969
21.	Chandbhan Drain from R.D. 40,000 to its source at R.D. 209,000.	18.1.1969
22.	Outfall of Bassian outfall Drain into Chandbhan Drain.	18.1.1969
23.	Badni Drain at its outfall into Chandbhan Drain and to the extent visible from there.	18.1.1969
24.	Mari Drain from its source at R.D. 95,000 to its crossing with Kotkapura-Bhatinda road.	18.1.1969
25.	Smadh Bhai Drain from R.D. 115,000 to its crossing with Kotkapura-Bhatinda road.	18.1.1969
26.	Bassian Outfall Drain from R.D. 12,000 to R.D. 77,000.	19.1.1969
27.	Bassian Outfall Drain from R.D. 77,000 to its source at R.D. 116,000.	19.1.1969
28.	Bassian Drain from R.D. 116,000 to its outfall into Bassian Outfall Drain.	19.1.1969

Contd.....3/-

RECORD OF THE THIRTYSIXTH TOUR OF INSPECTION  
BY THE PERMANENT INDUS COMMISSION UNDERTAKEN  
FROM 14TH TO 21ST JANUARY 1969.

The Permanent Indus Commission undertook a tour of inspection from 14th to 21st January 1969 and inspected the following works on the dates shown against each:-

<u>S.No.</u>	<u>Works Inspected</u>	<u>Date on which inspected</u>
1.	Thehgalandar Drain from its source at R.D. 21,000 to its outfall into Turkanwali Drain.	14.1.1969
2.	Turkanwali Drain from its source at R.D. 30, 150 to its outfall into Salimshah Drain.	14.1.1969
3.	Salimshah Drain from the outfall of Turkanwali Drain upto Indo-Pakistan Border.	14.1.1969
4.	Fazilka Drain from near Fazilka Town to a point about 16,000 feet from Indo-Pakistan Border and to the extent visible from there.	15.1.1969
5.	Fazilka Drain from the Indo-Pakistan Border to the bridge about 1,500 feet upstream of Indo-Pakistan Border and to the extent visible from the bridge.	15.1.1969
6.	Sabuana Drain from its outfall into Fazilka Drain to its source at R.D.43,500.	15.1.1969
7.	Sureshwala Drain from its source at R.D. 20,600 to its outfall into Sabuana Drain.	15.1.1969
8.	Kaurianwali Drain from R.D. 26,000 to its outfall into Sabuana Drain.	15.1.1969
9.	Kaurianwali Drain from its source at R.D. 64,500 to R.D. 26,000.	15.1.1969
10.	Tarobari Drain from R.D. 61,920 to its outfall into Jalalabad Drain.	16.1.1969
11.	Jalalabad Drain from R.D. 15,000 to R.D. 6,000 and at its outfall into Jalalabad-Mauzam Drain and to the extent visible from its outfall.	16.1.1969
12.	Jalalabad-Mauzam Drain from its outfall into the Sutlej Main to its source at R.D. 116,000.	16.1.1969

S.No.	Works Inspected	Date on which inspected.
29.	Cutfall of Rachhin Drain into Bassian Drain.	19.1.1969
30.	Raipur Link Drain from R.D. 47,000 to its outfall into Bassian Drain.	27.1.1969

2. During this tour of inspection, the Commission also inspected all those tributary drains of Fazilka Drainage System, which according to the India Commissioner, had been constructed by agencies other than the Irrigation Department and in respect of which, according to him, no record was available. These tributary drains are listed below. The information given in columns 2 to 5 below is as collected by the local officers for the purpose of the inspection, and the bed widths in column 6 are as they appeared to exist at site during the inspection. These tributary drains were inspected to the extent visible from their outfalls except for the item No.1 which was inspected in its entire length.

No such tributary drains existed on the Salimshah Drainage System.

S.No.	Village served by the drain.	Parent channel into which the drain outfalls.	Approximate length of the tributary drain in feet.	Approximate bed width at outfall in feet.	Date of inspection			
1	2	Name	Approximate R.D.	3	4	5	6	7
1.	Rampur.	Sureshwala	Source	12,000	6	15.1.1969		
2.	Banwala, Hiranwali, Begonwali, Kikarwala, Tahliwala-Bodla, Chak-Banwala.	Sabuana	Source.	52,000	3	15.1.1969		
3.	Jorke, Chinniwala.	Kaurianwali	Source	12,000	6	15.1.1969		

3. During the inspection it was noticed that Kaurianwali Drain at its crossing of the Fazilka-Abchar road (about R.D. 26,000) had not been dug across the road formation. It was further noticed that in the reach R.D. 26,000 to 64,500 four water courses blocked the drain.

The Pakistan Commissioner was of the view that the drain in the reach R.D. 26,000 to 64,500 was still incomplete and did not form a part of the Fazilka Drainage System.

The Indian Commissioner did not agree with the views of the Pakistan Commissioner and was of the view that Kaurianwali Drain has been functioning as a part of the Fazilka Drainage System and that the road and the water courses mentioned above are always cut whenever required to drain off the water coming from upstream.

4. As authorised by the Commission, the inspection of items referred at serial Nos. 24, 25, 27, 28, 29 and 30 of Paragraph 1 above and item at serial No. 3 of paragraph 2 above, was carried out, on its behalf, by the advisers.

5. This tour of inspection was undertaken at the request of the Pakistan Commissioner for Indus Waters under Article VIII(4)(d) of the Indus Waters Treaty 1960.

6. During this tour of inspection, the Commissioners were accompanied by the following advisers:-

INDIA

1. Shri G.S. Sidhu.  
from 14.1.69 to 16.1.69.  
  
Shri B.N. Gupta.  
from 17.1.69 to 19.1.69.  
  
Shri J.R. Jindal.  
on 20.1.69.
2. Shri B.K.S. Mathur.

Sd/-  
(P.R. Ahuja) 21/1/69  
Commissioner for Indus Waters,  
Government of India.

PAKISTAN

1. Syed Habib-ur-Rahaman.
2. Mr. Abdul Rahim.

Sd/-  
(Khalil-ur-Rahman) T.Pk.,  
Pakistan Commissioner for Indus  
Waters,  
Government of Pakistan.

Ludhiana  
21st. January, 1969.

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*A. M. ...*

RECORD OF THE THIRTYSEVENTH TOUR OF  
INSPECTION BY THE PERMANENT INDUS  
COMMISSION UNDERTAKEN FROM 11TH TO  
16TH FEBRUARY 1969.

The Permanent Indus Commission undertook a further tour of inspection of Kasur Nala Drainage System in India from 11th to 16th February 1969 and inspected the following :-

<u>S.No.</u>	<u>Name of the Channel inspected</u>	<u>Date on which inspected</u>
(i)	Bajjuman Drain from R.D. 17,000 to its outfall into Kasur Nala.	12.2.69
(ii)	Kasur Nala from R.D. 346,000 to R.D. 495,000 and from R.D. 500,000 to its source at R.D. 514,000.	12.2.69
(iii)	Outfall of Batala Drain into Kasur Nala.	12.2.69
(iv)	Dhariwal Satkoha Drain from its outfall into Kasur Nala to R.D. 6,000.	12.2.69
(v)	Bajjuman Drain from its source at R.D. 102,200 to R.D. 68,625 and from R.D. 44,100 to R.D. 17,000.	12.2.69
(vi)	Vallah Drain from R.D. 9,370 to R.D. 2,500.	13.2.69
(vii)	Kasur Nala from R.D. 290,000 to R.D. 323,000.	14.2.69
(viii)	Makhanwindi Drain from its outfall into Kasur Nala to R.D. 2,500, from R.D. 33,000 to R.D. 28,000 and to the extent visible from its source at R.D. 58,000.	14.2.69
(ix)	Batala Drain at R.D. 23,000, R.D. 45,000 and at its source at R.D. 60,000 and to the extent visible from these points.	14.2.69
(x)	Mattewal Drain to the extent visible from its source at R.D. 67,000 and from R.D. 48,000 to its outfall into Kasur Nala.	14.2.69

2. During this tour of inspection, the Commission also inspected all those tributary drains (except the three listed in paragraph 3 below) which, according to the Indian Commissioner, had been constructed by agencies other than the Irrigation Department and in respect of which, according to him, no record was available. These

tributary drains are listed below. The information given in columns 2 to 6 below is as collected by the local officers for the purpose of this tour of inspection, and the bed widths in column 7 are as they appeared to exist at site during the inspection. These tributary drains were inspected to the extent visible from their outfalls into their parent channels.

S.No.	Villages served by the drain.	Parent Channel into which the tributary Drain outfalls.		Approx. length of the tribu- tary drain in ft.	Approx. Bed width near the outfall in ft.	Date of inspection.	
		Name	Side R/L				
1	2	3	4	5	6	7	8
(i)	Jhanda, Shekhpura, Sarupwali Ghisepur Khurd and Ghisepur Kalan.	Bajju- man drain	Left	15,700	9,100	5.0	12.2.69
(ii)	Hardo Chandey and Said Mubarak.	Kasur Nala	Right	388,000	5,000	5.0	12.2.69
(iii)	Talwandi, Dehru- wali Rikhya, By- alulpur, Malian- wal Sahaya and Shankarpura.	-do-	Right	395,000	30,000	5.0	12.2.69
(iv)	Bhullar, Bulewal, Ghokuwal, Hassan- wal, Katib, Sanaya and Batala.	-do-	Right	402,000	25,000	8.0	12.2.69
(v)	Khunda.	-do-	Left	479,800	1,100	8.0	12.2.69
(vi)	Bhumli	-do-	Left	490,500	5,600	8.0	12.2.69
(vii)	Bazurgwal.	Bajju- man drain.	Right	99,300	2,100	5.0	12.2.69
(viii)	Debanwali.	-do-	Right	37,000	21,000	5.0	12.2.69

PERMANENT INDUS COMMISSION  
ANNUAL REPORT  
FOR  
THE YEAR ENDED ON 31ST MARCH 1969

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1.       Introductory
2.       Meetings of the Commission
3.       General Tours of Inspection
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5.       General

## ANNEXURE

Particulars of items discussed at the meetings of the Commission held during the year

## APPENDICES

- A.1      Record of the Twentyseventh Meeting of the Commission
- A.2      Record of the Twentyeighth Meeting of the Commission
- A.3      Record of the Twentyninth Meeting of the Commission
- B.1      Record of the 34th Tour (Third part of the Second General Tour of Inspection)
- B.2      Record of the 35th Tour (Fourth part of the Second General Tour of Inspection)
- C.1      Record of the 32nd Tour (Special Tour of Inspection)
- C.2      Record of the 33rd Tour (Special Tour of Inspection)
- C.3      Record of the 36th Tour (Special Tour of Inspection)
- C.4      Record of the 37th Tour (Special Tour of Inspection)

ANNUAL REPORT FOR THE YEAR ENDED  
ON 31ST MARCH 1969

1. INTRODUCTORY

1.1 This is the Ninth Annual Report of the Permanent Indus Commission constituted in accordance with Article VIII(3) of THE INDUS WATERS TREATY 1960 and relates to the work of the Commission for the year ended on 31st March 1969.

1.2 During the year under report, the posts of the Commissioner for Indus Waters, Government of India, and the Commissioner for Indus Waters, Government of Pakistan, were held as follows:-

Commissioner for Indus Waters, Government of India

Shri P.R. Ahuja	From 1.4.68 to 22.5.68 29.5.68 to 31.3.69
Shri G.P. Chadha	From 23.5.68 to 28.5.68

Commissioner for Indus Waters, Government of Pakistan

Mian Khalil-ur-Rahman, T.Pk.	From 1.4.68 to 22.5.68 29.5.68 to 31.8.68 16.9.68 to 31.3.69
Syed Habib-ur-Rahman	From 23.5.68 to 28.5.68 1.9.68 to 15.9.68

2. MEETINGS OF THE COMMISSION

2.1 During the year the Commission held three meetings, serially numbered as Twentyseventh, Twentyeighth and Twentyninth, in continuation of the twentysix meetings held during the previous years. These meetings were held alternately in India and Pakistan, at the places and on the dates given below:-

<u>Meeting</u>	<u>Venue</u>	<u>Date</u>
Twentyseventh	New Delhi	April 18-23, 1968
Twentyeighth	Islamabad/Lahore	August 7-13, 1968
Twentyninth	New Delhi	December 25-30, 1968

2.2 At these meetings, 17 items in all were discussed

of which one item (Second General Tour of Inspection) is of a continuing nature. Of the remaining 16 items, 14 were disposed of during the year. The particulars regarding each item discussed at these meetings, including the position as on 31st March 1969, are given in the Annexure to this report.

2.3 Of the 14 items disposed of during the year, the decision on 5 items (Serial Nos. 1,2,3,5 and 6) were taken by the Commission and on the other 9 items (Serial Nos. 7,8 and 10 to 16) by the two Commissioners.

2.4 The question as to whether the discussions on the items at Serial Nos. 9 and 17 related to the Commission, or to the two Commissioners (as distinct from the Commission), or to both the Commission and the two Commissioners (as distinct from the Commission) remained under examination.

2.5 Copies of the Records of the Twentyseventh, Twenty-eighth and Twentyninth Meetings are enclosed as Appendices A.1, A.2 and A.3 respectively.

### 3. GENERAL TOURS OF INSPECTION

3.1 According to Article VIII(4)(c) of the Treaty, the Commission is required 'to undertake, once in every five years, a general tour of inspection of the Rivers for ascertaining the facts connected with various developments and works on the Rivers'. The general tour of inspection to be undertaken during the 5 year period ending on 31st March 1970 is hereinafter called the 'Second General Tour'.

3.2 The Second General Tour is being undertaken in parts, of which two (First and Second parts) had been undertaken upto 31st March 1968. During the year under report, the Commission undertook two more parts (Third and Fourth) in October and November 1968

respectively and inspected certain reaches of The Ravi.

3.3 Copies of the Records of the third and fourth parts of the Second General Tour, numbered\* as the 34th and 35th Tours of Inspection, are enclosed as Appendices B.1 and B.2.

4. SPECIAL TOURS OF INSPECTION

4.1 Under the provisions of Article VIII(4)(d) of the Treaty, the Commission is required 'to undertake promptly, at the request of either Commissioner, a tour of inspection of such works or sites on the Rivers as may be considered necessary by him for ascertaining the facts connected with those works or sites'.

In the Annual Reports of the Commission, such a tour has been referred to as a 'special tour of inspection', to distinguish it from the 'general tour of inspection' mentioned in Article VIII(4)(c) of the Treaty.

4.2 During the year under report, the Commission undertook four special tours of inspection bringing the total number of special tours undertaken so far to twentyone. Copies of the Records of these tours (serially numbered as the 32nd, 33rd, 36th and 37th tours of inspection) are enclosed as Appendices C.1 to C.4.

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\* For the purpose of numbering the tours of inspection, each part of a general tour is treated as a separate tour. These parts along with the special tours are serially numbered in the order in which the tours are undertaken.

5.

GENERAL

The Commission is happy to record that, during the year under report, its work was marked by a spirit of good-will, understanding and co-operation.

Sd/- (P.R. Ahuja )  
Commissioner for Indus Waters,  
Government of India.

Sd/- (Khalil-ur-Rahman) T.P.K.,  
Pakistan Commissioner for Indus  
Waters,  
Government of Pakistan.

Islamabad,  
30th April 1969.



PARTICULARS OF ITEMS DISCUSSED AT THE MEETINGS  
OF THE COMMISSION HELD DURING THE YEAR

S.No.	Item discussed	Meeting at which discussed	Position as on 31st March 1969
1.	Preparation of the Annual Report for the year ended on 31st March 1968 (Article VIII(8)).	Twentyseventh	The report was finalised and submitted to the Government of India and the Government of Pakistan on 23rd April 1968.
2.	Preparation of the Forms of water-account under Paragraph 41 of Annexure H for the period from November 21-30, 1967 to March 21-31, 1968.	Twentyseventh	The Commission confirmed the use of Form No.1(e), provisionally brought into use by the two Commissioners, in the context of the additional provisions for rabi 1967-68, as agreed upon in the twentysixth meeting.
3.	Preparation of the Forms of water-account under Paragraph 41 of Annexure H for the period from May 1-10 to July 11-20, 1968.	Twentyeighth	The Commission confirmed the use of Forms No.1(f), 1(g) and No.16 provisionally brought into use by the two Commissioners, in the context of the additional provisions for this period (vide S.No. 11 below).
4.	Second General Tour of Inspection (Article VIII(4)(c)).	Twentyseventh, Twentyeighth and Twentyninth	This item covers the 5-year period which will end on 31st March 1970 and thus is of a continuing nature.
5.	Programme for the Meetings and Special Tours of Inspection of the Commission.	Twentyseventh, Twentyeighth and Twentyninth	Disposed of.
6.	Modification of water-account Form No.7	Twentyninth	The existing Water-accounting Form No.7 was modified in the light of the amended provisions of Paragraph 35 of Annexure H to the Treaty (vide S.No.14 below).
7.	Construction of a new 'Small Plant' on Shansha Nala.	Twentyseventh )	Disposed of.
8.	Construction of a new 'Small Plant' on Sissu Nala.	Twentyseventh )	
9.	Measures for the recovery, and restoration to owners, of timber and other property (Article IV(1))	Twentyseventh	To be discussed further.

S.No.	Item discussed	Meeting at which discussed	Position as on 31st March 1969
10.	Supply of daily gauge and discharge data with respect to the flow in and utilisation of the waters of the Indus River System for the years 1946-47 to 1959-60 (Article VI(2)).	Twentyseventh	Disposed of.
11.	Implementation of Paragraph 30 of Annexure H.	Twentyseventh	Annexure H to the Treaty was amended by adding a new Part (PART 13) incorporating the 'Additional Provisions for May 1-10 to July 11-20, 1968'.
12.	Implementation of Paragraphs 11, 31 and 38 of Annexure H.	Twentyeighth	Annexure H to the Treaty was amended by adding a new Part (PART 14) incorporating the 'Additional provisions for the period from 11th September 1968 to 31st March 1969'.
13.	Amendment of Paragraph 41 of Annexure H to the Treaty.	Twentyseventh and Twentyeighth	Paragraph 41 of Annexure H was amended firstly at the time of the addition of 'PART 13' in Annexure H and again at the time of the addition of 'PART 14' in Annexure H (vide S.Nos. 11 and 12 above).
14.	Amendment of Paragraph 35 of Annexure H	Twenty ninth	Paragraph 35 of Annexure H was amended for redefining the 'Ravi Command at Balloki Above' by taking into account the releases into the Ravi Main below Madhopur under the provisions of Paragraph 20 of Annexure H and the deliveries at Q.B. Link outfall.
15.	Procedure for signing of enclosures to communications between the Commissioners.	Twenty ninth	Disposed of.
16.	Supply of data regarding the quantity of materials dredged from the Jhelum Main.	Twenty ninth	
17.	Hudiarra Drainage System.	Twenty ninth	To be discussed further.

RECORD OF THE TWENTYSEVENTH MEETING OF  
THE PERMANENT INDUS COMMISSION HELD AT  
NEW DELHI FROM 18TH TO 23RD APRIL 1968

PRESENT

PERMANENT INDUS COMMISSION

Shri P.R. Ahuja,  
Commissioner for Indus Waters,  
Government of India.

Mian Khalil-ur-Rahman, T.Pk.,  
Pakistan Commissioner for  
Indus Waters,  
Government of Pakistan.

ADVISERS TO COMMISSIONERS

1. Shri C.P. Chadha,  
Deputy Secretary,  
Ministry of Irrigation  
and Power,  
Government of India.

1. Syed Habib-ur-Rahman,  
Director,  
Office of the Pakistan  
Commissioner for Indus  
Waters,  
Government of Pakistan.

2. Dr. J.K. Malhotra,  
Consultant,  
Ministry of Irrigation  
and Power,  
Government of India.

2. Mr. Bashir Ahmad,  
Deputy Commissioner for  
Indus Waters,  
Government of Pakistan.

3. Shri D.V. Gulati,  
Deputy Director,  
Ministry of Irrigation  
and Power,  
Government of India.

4. Shri B.K.S. Mathur,  
Deputy Director,  
Ministry of Irrigation  
and Power,  
Government of India.

The Commission held its 27th meeting at New Delhi from 18th to 23rd April 1968. At this meeting the Commission finalised its Annual Report for the year ended on 31st March 1968 and submitted it to the Government of India and the Government of Pakistan on 23rd April 1968.

2. The Commission discussed the programme for its future meetings and tours of inspection and agreed on the following schedule:-

Tours/meetings

Approximate schedule for  
commencement

(i) Special tour of inspection of certain works and sites on The Chenab and The Ravi requested by the Indian Commissioner.

Third week of May 1968.

Tours/meetings

Approximate schedule for commencement

- |   |                                |
|---|--------------------------------|
| (ii) Special tour of inspection of certain works and sites on The Chenab and The Ravi requested by the Pakistan Commissioner. | Third week of June, 1968.      |
| (iii) Third Part of the Second General Tour of Inspection.  | Second week of July, 1968.     |
| (iv) 28th Meeting of the Commission.  | Third week of August, 1968.    |
| (v) Fourth Part of the Second General Tour of Inspection.   | Third week of September, 1968. |

It was agreed that the programme of further meetings and tours of inspection would be considered at the next meeting of the Commission.

3. The Commission reviewed the question of the preparation of the Forms of Water-account under Paragraph 41 of Annexure H in the context of the additional provisions for raabi 1967-68, as agreed upon at the previous meeting. It was noted that a draft for Form No. 1(e) had been proposed by the Pakistan Commissioner and had been brought into use, with slight modifications, on a provisional basis. The Commission confirmed the use of this Form for the period from November 11-20, 1967 to March 21-31, 1968. A copy of the Form 1(e) is attached as Annexure to this record.

4. The two Commissioners discussed the following items:-

(i) Construction of a new 'Small Plant' on Shansha Nala

The two Commissioners discussed this matter and prepared drafts of letters to be issued by them so as to dispose of this item.

(ii) Construction of a new 'Small Plant' on Sissu Nala

The two Commissioners discussed this matter and prepared drafts of letters to be issued by them so as to dispose of this item.

(iii) Measures for the recovery, and restoration to owners, of timber and other property (Article IV(11))

The two Commissioners exchanged views on the two alternatives regarding the limitation of the sale proceeds of the auctioned timber, mentioned in paragraph 4(xi) (d) of the Record of the Tenth Meeting of the Commission. They agreed to reconsider the matter further and discuss it again at a subsequent meeting.

(iv) Supply of daily gauge and discharge data with respect to the flow in and utilisation of the waters of the Indus River System for the years 1946-47 to 1959-60 (Article VI(2))

The supply of outstanding data relating to this item was completed by both the Commissioners.

(v) Implementation of Paragraph 30 of Annexure H

The two Commissioners discussed the provisions of Paragraph 30 of Annexure H to the Treaty and agreed to adopt ad hoc arrangements for the distribution of the supplies of The Sutlej and The Beas, during May 1-10 to July 11-20, 1968. For this purpose, they agreed to amend Annexure H to the Treaty by adding a new Part in that Annexure, after Part 12, as follows:-

PART 13 - Additional provisions for May 1-10 to July 11-20, 1968

81. In each Water-accounting Period during May 1-10 to July 11-20, 1968, the deliveries at Ferozepore for use by the Pakistan Sutlej Valley Canals, as specified in Paragraph 20, may be reduced in accordance with the provisions of Paragraph 30, provided that both the Rasul-Qadirabad and the Qadirabad-Balloki Links are running and that the reduction in the deliveries does not exceed A percent of the supplies delivered by the Qadirabad-Balloki link at its tail, where A is 60 for May 1-10, 65 for May 11-20 and 70 for May 21-31 to July 11-20.

(vi) Amendment of Paragraph 41 of Annexure H

The two Commissioners agreed to amend the first sentence of Paragraph 41 of Annexure H to read as follows:-

An account of the distribution of waters, as at Ferozepore, under the provisions of Parts 3, 4, 5, 11, 12 and 13 of this Annexure will be maintained by each Commissioner in accordance with the provisions of Paragraphs 42- 46, and appropriate Forms will be used, both for Phase I and Phase II, in order to facilitate, and to provide a record of, the distribution of waters in accordance with the provisions of this Annexure.

5. The two Commissioners agreed to take appropriate action, in regard to paragraphs 4(v) and 4(vi) above, towards an exchange of letters between the two Governments under the provisions of Paragraph 67 of Annexure H.

Sd/-  
(P.R. Ahuja) 23/4/68  
Commissioner for Indus Waters,  
Government of India.

Sd/-  
(Khalil-ur-Rahman) T.Pk.,  
Pakistan Commissioner for  
Indus Waters,  
Government of Pakistan.

New Delhi,  
23rd April, 1968.

ANNEXURE

FORM NO.1(e)

Water-account as at Ferozepore for the Periods

November 21-30, 1967 to March 21-31, 1968

Water-accounting Period (Ferozepore Dates \_\_\_\_\_ 19\_\_\_\_.

Item	Particulars	Average value (cusecs)
1.	Beas Component at Ferozepore =Item (20) of Form 2.	
2.	Delivery due to Pakistan under Paragraph 77=_____*	
	per cent of Beas Component.	
3.	79 per cent of Beas Component =79x(1)/100.	
4.	Difference between (3) and (2) = (3)-(2).	
5.	Aggregate of (2) and (4).	
6.	Excess of (5) over 10,000 cusecs. If negative take as zero.	
7.	Delivery due to Pakistan under Paragraphs 77 and 78 = (2)-(6).	
8.	Brought over from the preceding period = £ of the preceding Period multiplied by the number of days in the preceding Period divided by the number of days in the current Period.	
9.	Total delivery due to Pakistan =(7)-(8).	
10.	Actual delivery to Pakistan at Ferozepore Below.	
11.	Excess(+) or deficit(-) in deliveries to Pakistan =(10)-(9).	
12.	Excess(+) or deficit(-) to be carried over to the succeeding Period under Paragraphs 46 and 79.	

\*71.5 during November 21-30 to December 21-31, 1967 and 67 during  
January 1-10 to March 21-31, 1968.

£ For November 21-30, 1967, this will be Item (15) of Form 1(c)  
for November 11-20.

@ The Carry-over will be subject to the following:

1. If Item (4) of this Form plus Item (10) of this Form exceeds  
10,000 cusecs, then neither excess nor deficit shall be carried  
over to the succeeding period.
2. There shall be no carry-over from March 21-31, 1968 to  
April 1-10, 1968.

RECORD OF THE TWENTYEIGHTH MEETING OF THE PERMANENT  
INDUS COMMISSION HELD AT ISLAMABAD/LAHORE FROM 7TH  
TO 13TH AUGUST 1968

PRESENT

PERMANENT INDUS COMMISSION

Shri P.R. Ahuja, Mian Khalil-ur-Rahman, T.Fk.,  
Commissioner for Indus Waters, Pakistan Commissioner for  
Government of India. Indus Waters,  
Government of Pakistan.

ADVISERS TO COMMISSIONERS

- |  |   |
|--|---|
| 1. Dr. J.K. Malhotra,<br>Consultant,<br>Ministry of Irrigation<br>and Power,<br>Government of India. | 1. Sayyed Z.H. Jafri,<br>Chief Engineer,<br>Irrigation and Power Department,<br>Government of West Pakistan.                        |
| 2. Shri D.V. Gulati,<br>Director,<br>Central Water and<br>Power Commission,<br>Government of India.  | 2. Mr. S.S. Kirmani, S.I., S.C.A.,<br>Chief Engineer, Indus Basin<br>Project, West Pakistan Water &<br>Power Development Authority. |
|  | 3. Mr. Manzur Ahmad, T.C.A.,<br>Engineering Adviser (Power),<br>Government of Pakistan.   |
|  | 4. Syed Habib-ur-Rahman,<br>Director,<br>Office of the Pakistan<br>Commissioner for Indus Waters,<br>Government of Pakistan.        |
|  | 5. Mr. Abdul Rahim,<br>Deputy Commissioner for<br>Indus Waters,<br>Government of Pakistan.  |

The Commission held its 28th meeting at Islamabad from 7th to 12th August 1968 and at Lahore on 13th August 1968. At this meeting the Commission discussed the programme for its future meetings and tours of inspection and agreed on the following schedule:-

Tours/meetings

Approximate schedule for  
commencement

- |  |                               |
|--|-------------------------------|
| 1) Third Part of the Second<br>General Tour of Inspection.   | Second week of October 1968.  |
| 11) Fourth Part of the Second<br>General Tour of Inspection. | Second week of November 1968. |



Tours/meetings

Approximate schedule for commencement

- |   |                               |
|---|-------------------------------|
| iii) 29th Meeting of the Commission.  | Fourth week of December 1968. |
| iv) Special Tour of Inspection of certain works and sites on The Sutlej requested by the Pakistan Commissioner. | Third week of January 1968.   |

It was agreed that the programme for further meetings and tours of inspection would be considered at the next meeting of the Commission.

2. The Commission reviewed the question of the preparation of the Forms of Water-account under Paragraph 41 of Annexure H, in the context of the additional provisions for May 1-10 to July 11-20, 1968 as agreed upon at the previous meeting. It was noted that the drafts for Form No.1(f) and Form No.16 proposed by the Indian Commissioner and Form No.1(g) proposed by the Pakistan Commissioner had been brought into use, with slight modifications, by each side on a provisional basis. The Commission confirmed the use of these modified Forms for the period from May 1-10 to July 11-20, 1968. Copies of these Forms are attached as Annexures I, II and III.

3. The two Commissioners discussed the following items:-

(i) Implementation of Paragraphs 11, 31 and 38 of Annexure H

As agreed at the Twentysixth Meeting, the two Commissioners discussed, under the provisions of Paragraphs 11, 31 and 38 of Annexure H, the further modifications to be made in the provisions of Parts 2 to 5 of the said Annexure, for September 11-30 and ~~part~~ of the year 1968-69. After discussion, they agreed to amend Annexure H by the addition of a new Part, after Part 13, as follows:-

PART 14 - Additional Provisions for the period from 11th September 1968 to 31st March 1969.

82. Subject to the provisions of Paragraph 86, India may not release any supplies into the Ravi Main below Madhopur during the period from 21st September 1968 to 20th February 1969. From 21st February to 31st March 1969, however, the supplies due to Pakistan under the provisions of Part 2 of this Annexure will be delivered by India into the Ravi Main below Madhopur.

83. Subject to the provisions of Paragraph 86 and notwithstanding the provisions of Paragraph 29 (g), India agrees to deliver into the Sutlej Main below Ferozepore for use by the Pakistan Sutlej Valley Canals, the following minimum supplies during the period from 11th to 30th September 1968:-

- |                     |               |
|---------------------|---------------|
| (a) September 11-20 | 5,000 cusecs. |
| (b) September 21-30 | 3,000 cusecs. |

84. Subject to the provisions of Paragraph 88 and notwithstanding the provisions of Paragraph 34:

(1) India agrees to deliver into the Sutlej Main below Ferozepore for use by the Pakistan Sutlej Valley Canals the following minimum supplies during the period from 1st to 15th October 1968:-

- |                    |               |
|--------------------|---------------|
| (a) October 1-10:  | 2,000 cusecs. |
| (b) October 11-15: | 1,500 cusecs. |

(ii) During the period from 16th October 1968 to 20th February 1969, India may discontinue the deliveries into the Sutlej Main below Ferozepore.

(iii) From 21st February to 31st March 1969, the supplies due to Pakistan under the provisions of part 5 of this Annexure will be delivered by India into the Sutlej Main below Ferozepore for the use of the Pakistan Sutlej Valley Canals.

85. If the Mangla reservoir does not fill to the Full Reservoir Level of 1202 feet by the end of kharif 1968, India shall deliver into the Sutlej Main below Ferozepore, for the use of the Pakistan Sutlej Valley Canals, supplies aggregating in volume to 40 percent of the difference between the capacity at Full Reservoir Level and the maximum capacity to which the Mangla reservoir fills during kharif 1968, in addition to the deliveries specified in Paragraph 84. These additional deliveries will be made with effect from 11th October 1968 and in accordance with the schedule agreed to between the two Commissioners. If necessary, the two Commissioners will meet in the first week of October 1968 to work out the agreed schedule of the additional deliveries.

86. If, owing to damage or apprehension of damage to the newly constructed works of Mangla Dam, Rasul Barrage, Qadirabad Barrage, Rasul-Qadirabad Link Canal or Qadirabad-Balloki Link Canal, or owing to unavoidable circumstances arising out of the difficulties in the operation of these works, the transfer of the water stored in Mangla reservoir to Balloki through the Rasul-Qadirabad-Balloki Link system is or has to be interrupted, or materially reduced, Pakistan shall so inform India, also stating the date from which the interruption or the material reduction has taken

place and India shall, within two days of the receipt of this information, resume the deliveries into the Ravi Mainbelow Madhopur and into the Sutlej Main below Ferozepore in accordance with the provisions of Parts 2 to 5 of this Annexure, notwithstanding the provision of Paragraphs 82, 83, 84 and 85, provided that:

(i) If the supplies available at Harike/Ferozepore have to be supplemented by releases from the Bhakra reservoir to ensure the delivery of Pakistan's full share into the Sutlej Main below Ferozepore, the period of two days mentioned above shall be extended to a maximum of 5 days in respect of the supplies that are released from the Bhakra reservoir.

(ii) Pakistan will not invoke the provisions of this Paragraph if the duration of the interruption or the material reduction in the transfer of supplies through the Rasul-Qadirabad-Balloki link system is not likely to exceed two days.

Pakistan agrees that it will use its best endeavours to restore the situation to normal as early as possible and keep India informed of the steps taken in this connection. Meanwhile the two Commissioners will promptly meet to work out such modifications in the provisions of this Annexure as may be agreed upon as appropriate and desirable.

(ii) Amendment of Paragraph 41 of Annexure H

The two Commissioners agreed to amend the first sentence of Paragraph 41 of Annexure H to read as follows:-

An account of the distribution of waters, as at Ferozepore, under the provisions of Parts 3, 4, 5, 11, 12, 13 and 14 of this Annexure will be maintained by each Commissioner in accordance with the provisions of Paragraphs 42-46, and appropriate Forms will be used, both for Phase I and Phase II, in order to facilitate, and to provide a record of, the distribution of waters in accordance with the provisions of this Annexure.

4. The two Commissioners agreed to take appropriate action, in regard to paragraphs 3(i) and 3(ii) above, towards an exchange of letters between the two Governments under the provisions of Paragraph 67 of Annexure H.

Sd/-

(P.R. Shuja)  
Commissioner for Indus Waters,  
Government of India.

Sd/-

(Khalil-ur-Rahman) T.Pk.,  
Pakistan Commissioner for Indus  
Waters, Government of Pakistan.

Lahore,  
13th August, 1968.

Water-account as at Ferozepore for the Periods  
May 1-10 to June 21-30, 1968

Water-accounting Period (Ferozepore Dates) \_\_\_\_\_ 19\_\_

Item	Particulars	Average value (cusecs)
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PART A

1. Sutlej Component at Ferozepore = Item (15) or (26) of Form 5, as the case may be.
2. Beas Component at Ferozepore = Item (20) of Form 2.
3. Withdrawal due to India as at Ferozepore, under Paragraph 21(b) = (1) + 16% of (2) / limited to \_\_\_\_\_ \*cusecs.

PART B

4. 'Gross amount' as at Ferozepore = Item (9) or (13) of Form 4, as the case may be.
5. Additional withdrawal due to India, as at Ferozepore, under Paragraph 22 = (4) X \_\_\_\_\_ @ \_\_\_\_\_.
6. Withdrawals due to India, as at Ferozepore, under Paragraphs 21(b) and 22 = (3) + (5).

PART C

7. Aggregate of Sutlej and Beas Components at Ferozepore = (1) + (2).
8. Excess of (7) over (6) = (7) - (6).  
If negative, take as zero.
9. Aggregate of (4) and (8).
10. Further withdrawal due to India, as at Ferozepore, under Paragraph 24 = (9) - 35,000 cusecs. If negative, take as zero.
11. Delivery due to Pakistan at Ferozepore under Paragraph 25 = (8) - (10).

*4,500 cusecs during May 1-10 to 21-31.	@0.60 for May 1-10.
5,500 cusecs during June 1-10 to 21-30.	0.65 for May 11-20.
	0.70 for May 21-31 to June 21-30.

Item	Particulars	Average value (cusecs)
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PART D

12. \* \_\_\_\_\_ % of (11).
13. Delivery due to Pakistan at Ferozepore under Paragraph 29 = (12) minus \_\_\_\_\_ @ % of (4).

PART E

14. Actual discharge at Rasul Above (including the supply in the tail-race of the Rasul Hydro-electric plant): (X).
15. 'A' [ as given in Paragraph 30(a) ]
16. 'B' [ as given in Paragraph 30(a) ]
17. (AX - 'B) = [ (15) x (14) - (15) x (16) ]  
If negative, take as zero.
18. Difference between 18,400 cusecs and (4) : (Y)
19. 'AY' = (15) x (18).
20. Reduction in delivery to Pakistan at Ferozepore under Paragraph 30 = (17), limited to (19).
21. Reduction in delivery to Pakistan at Ferozepore under Paragraph (31) = (20), limited to the 'average' in Column (5) of Form No.16.
22. Delivery due to Pakistan at Ferozepore under Paragraphs 29, 30 and 31 = (13) - (21).

* 71 during May 1-10 to 21-31	@24 during May 1-10 to 21-31
58 " June 1-10 to 21-30	36 " June 1-10 to 21-30