

SENATE OF PAKISTAN
HOUSE OF THE FEDERATION



REPORT OF THE SENATE STANDING COMMITTEE ON WATER
RESOURCES

ON

STARRED QUESTION NO. 355, ASKED BY SENATOR SIRAJ-UL-HAQ REGARDING THE
TITLE OF THE AGREEMENT UNDER WHICH WATER IS BEING DISTRIBUTED
AMONGST PROVINCES, INDICATING ALSO THE FORMULA LAID DOWN FOR
DISTRIBUTION OF WATER IN THE SAME AND THE RATIO AT WHICH
WATER IS BEING PROVIDED TO EACH PROVINCE
UNDER THE SAID AGREEMENT?

Presented by

SENATOR SHAMMIM AFRIDI
CHAIRMAN

SENATE SECRETARIAT

REPORT OF THE SENATE STANDING COMMITTEE ON WATER RESOURCES ON STARRED QUESTION NO. 355, ASKED BY SENATOR SIRAJ-UL-HAQ REGARDING THE TITLE OF THE AGREEMENT UNDER WHICH WATER IS BEING DISTRIBUTED AMONGST PROVINCES, INDICATING ALSO THE FORMULA LAID DOWN FOR DISTRIBUTION OF WATER IN THE SAME AND THE RATIO AT WHICH WATER IS BEING PROVIDED TO EACH PROVINCE UNDER THE SAID AGREEMENT?

1. Chairperson of the Senate Standing Committee on Water Resources, have the honour to present the report on behalf of the Committee on Starred Question No. 355, raised by Senator Siraj-ul-Haq in the House on 15th September, 2020, regarding the title of the agreement under which water is being distributed amongst provinces, indicating also the formula laid down for distribution of Water in the same and the ratio at which water is being provided to each province under the said agreement, referred by the Chairman Senate on 26th June, 2020.

2. The matter was referred to the Senate Standing Committee on Water Resources for consideration and report to the House.

3. The composition of the Committee is as under:

1. Senator Shammim Afridi	Chairman
2. Senator Brig. (R) Mr. John Kenneh Willams	Member
3. Senator Walid Iqbal	Member
4. Senator Sana Jamali	Member
5. Senator Ahmed Khan	Member
6. Senator Syed Muhammad Sabir Shah	Member
7. Senator Agha Shahzaib Durrani	Member
8. Senator Qurat ul Ain Marri	Member
9. Senator Muhammad Usman Khan Kakar	Member
10. Senator Mir Muhammad Yousaf Badini	Member
11. Senator Rana Maqbool	Member
12. Senator Muhammad Khalid Bizenjo	Member
13. Minister for Water Resources	Ex-Officio Member

4. The Standing Committee considered the agenda item in its meeting held on 28th January, 2021, at 11:00 am in Old PIPS Hall, Parliament Lodges, Islamabad and decided to submit the report to the House. The meeting was attended by the following members:

1. Senator Shammim Afridi	Chairman
2. Senator Usman Khan Kakar	Member
3. Senator Walid Iqbal	Member
4. Senator Sana Jamali	Member
5. Senator Siraj-ul-Haq	Mover

5. Chairman IRSA, Mr. Irshad Rao, briefed the Committee and said that the title of the agreement among the provinces is "Appointment of the Water of the Indus River System between

the Provinces of Pakistan". Giving the details of that accord, he said that paras of the accord related to distribution of water amongst the provinces are 2, 4 and 14(b) which are reproduced below:

Para-2: "In the light of accepted water distributional principles, the following apportionment was agreed to:

S. No	Province	Kharif	Rabi	Total
i.	Punjab	37.07	18.87	55.94
ii.	Sindh	33.94	14.82	48.76
iii.	KPK			
	(a)	3.48	2.30	5.78
	(b)	1.80	1.20	3.00
iv.	Balochistan	2.85	1.02	3.87
Total		77.34	37.01	114.35
		+	+	+
		1.80	1.20	3.00

Para-4: Balance river supplies indicating flood supplies and future storages shall be distributed as below:

S. No	Punjab	Sindh	Balochistan	KPK	Total
1.	37	37	12	14	100%

Para-14(b): The record of actual average system uses for the period 1977-82, would form the guideline for developing a future regulation pattern. These ten daily uses would be adjusted pro-rata to correspond to the indicated seasonal allocation of the different canal systems and would form the basis for sharing shortages and surpluses on all Pakistan basis.

(b) Based on the guiding principles stated in the above Paras of the Accord, IRSA has formulated a formula known as "The 3-Tier Formula", which has been in vogue since 2003 which is stated as under:-

- **Scenario-I**
 - Water Availability < Actual Average System Uses 77-82
 - Distributed as per 14 (b) of the WAA 1991
- **Scenario-II**
 - Water Availability > Actual Average System Uses 77-82 but < Para 2 of WAA 1991
 - Actual Average System Uses are protected
 - Balance available as per Para 2 of the WAA 1991
- **Scenario-III**
 - Water Availability > Para 2 of WAA 1991
 - Para 2 of the WAA 1991 is protected
 - Balance as per Para 4 of the WAA 1991

The smaller Provinces of KPK and Balochistan shall remain exempted from sharing of shortages as decided by IRSA on 13.12.2020.

6. Briefing the Committee on water shortage capacity, the Chairman IRSA, informed that lack of water storage capacity caused a financial loss of \$600 billion during past 44 years. He said that the country's total water storage capacity was 15.7 MAF in 1976, which had reduced to 13.6 MAF and 70% of it comes in the rivers during monsoon season and major portion of it was going waste due to non construction of water storage in the country.

7. While giving his input in the matter, Senator Siraj-ul-Haq said that Pakistan had lost its case in International Court of justice in 2018 on the plea that we were wasting water. He further said that since 1991 accord, no steps have been taken to implement that accord, even there was no progress on installing telemetry system for fair distribution of water amongst the Provinces. Senator Muhammad Usman Khan Kakar pointed out that all major rivers are flowing from KPK but due to absence of canal system the land of southern Pakhtunkhwa is lying barren. He suggested that Rs. 500 millions may be allocated in the Federal Budget for construction of Canal System in KPK and Balochistan provinces. Joint Secretary (Development), Ministry of Water Resources while giving his input informed the Committee that we are providing 45 MAF water annually to Punjab and Sindh for irrigation. If we charge only Rs. 1500 per acre per year, huge amount of 60 to 70 billion will be collected. He further informed that in National Water Policy, it has been suggested that there should be a water pricing mechanism to collect funds for enhancing water storage capacity and constructing small dams. The Committee recommended that all four provinces may evolve a mechanism for water pricing for enhancing water storage capacity and constructing small dams. Senator Siraj-ul-Haq recommended that 50% of federal budget may be allocated for construction of small dams in the country. The matter was accordingly disposed of with following recommendations:

- i. The Committee recommended that Rs. 500 million may be allocated in Federal Budget for construction of canal system in KPK and Balochistan.
- ii. The Committee also recommended that 50% of Federal Budget may be allocated for construction of small dams in the country.
- iii. The Committee recommended that all four provinces may evolve a mechanism for water pricing for enhancing water storage capacity in country.


(DR. HASSAN G. ESHRAT)
Secretary Committee


(SENATOR SHAMMIM AFRIDI)
Chairman Committee