

TECHNICAL REPORT FOR WATER SUPPLY SCHEME REZON

INTRODUCTION:

The village Rezon is located at a distance of 45Kms from district headquarter Ganderbal in constituency Kangan on left side of Srinagar - Leh National Highway. The general population of the village comprises of both Gujjar & Kashmiri community and the topography of the area is semi-hilly.

NECESSITY:

The village Rezon and tail end area of Kulen was getting water from an old pilot scheme WSS Barparan through an 50mm dia GI pipe. The Barparan scheme suffered heavy damage during the cloud burst of 07/2014 rendered the water supply schemes Barparan and Kulen almost defunct as the pipe network and structures got washed away and buried under heavy debris. The village Rezon which was getting water from WSS Barparan suffered most as the 50mm dia line feeding village Rezon also got completely washed away resulting in non availability of drinking water supply to the village Rezon. After partial restoration of the Barparan scheme could not cater the requirement of Rezon village due to heavy damages to the filtration and pipe network. The village Rezon had to depend wholly and solely on local nallah / tributaries to meet their water requirement. The area was already facing water shortages because of meager supply from water supply scheme Barparan. The inhabitants approached to the higher authorities no. of times

for redressal of the drinking water problem as they had to use water from tributaries and nallahs which is not fit for human consumption.

Keeping in view the rising demand of the inhabitants and the hazards effect of the untreated water, a new scheme has been framed under JKIDFC and is submitted for accord of administrative approval.

PROPOSALS:

It is proposed to construct the following items:-

1) Construction of Intake Chamber:

It is proposed to construct an Intake Chamber for drawing water from Nallah Rezon in order to carry water to the proposed slow sand filtration plant.

2) Construction of Slow Sand Filtration Plant with Pre - Settling Tank:

After sedimentation and alum dosing in settling unit water will be passed through sand filters of proposed 0.60lac gallons existing filtration plant to ensure proper treatment and where from after chlorine dosing water will be store in proposed 0.30lac gallons capacity S.R for onward supply through well designed pipe network.

3) Construction of RCC Service Reservoir:

It is proposed to construct 0.30Lac Gallons Capacity RCC Service Reservoir for storage of water and supplying to the consumers through well designed pipe network.

4) Laying and Fitting of pipe Network:

A well designed pipe network has been proposed to carry water from the nallah upto proposed PST and filtration Plant where after treatment the water will be carried through clear water mains and stored in the proposed 30000 Gallons capacity Service Reservoir for onward supply to the inhabitants.

5) Allied Basic Infrastructure:

To ensure that the scheme is successful after completion and commissioning, it is necessary to provide basic infrastructure safety, easy and efficient operation and maintenance of the scheme as such due provision has been kept for construction of Sluice Chamber, Fencing around structures, construction of Nallah Protection, Intake and other related works.

COST OF THE SCHEME:


The total cost of the scheme as per General Abstract of Cost enclosed works out to Rs.130.00Lacs

TIME OF COMPLETION:

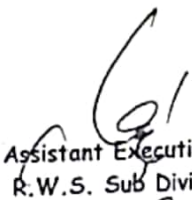
The scheme will be completed within two working season provided funds and necessary materials are made available well in time.

RECOMMENDATION:

Keeping in view the above mentioned facts, it is recommended that the administrative approval of the scheme may be accorded so that the inconvenience faced by inhabitants is mitigated and sufficient and adequate water supply is provided to them.



Jr. Engineer



Assistant Executive Engineer
R.W.S. Sub Division Kangan



Executive Engineer
R.W.S. Division Ganderbal

**GENERAL ABSTRACT OF COST
FOR
WATER SUPPLY SCHEME REZON**

S. No.	Particulars of Items	Amount (Rs. In Lacs)
01.	Cost of Pipe & Pipe Specials. ✓	40.34
02.	Cost for Laying & Fitting of Pipes (Estimated Enclosed). ✓	14.88
03.	Cost for construction of Intake Chamber. ✓	3.61
04.	Cost for construction of Pre - Settling Tank. ✓✓	10.07
05.	Cost for construction of 0.60Lac Gallons Capacity Slow Sand Filtration Plant. ✓	25.64
06.	Cost for construction of 0.30Lac Gallons Capacity RCC Service Reservoir. ✓	10.88
07.	Cost for construction 03No. Sluice Valve Chambers. ✓	2.43
08.	Cost for construction of Chain Link Fencing around various Structures.	8.05
09.	Cost for road cuts restoration of macadamized roads.	1.01
10.	Cost for Nallah Protection Works.	4.27
10.	Land Compensation 1.50 Kanal @ Rs.4.00Lacs/Kanal	6.00
(11)	Provision for preparation of DPR's and Surveying.	0.60
Total		127.78
Add 2.5% for W.C & Contingencies on all items except item No.1, 10 & 11 i.e. on Rs.80.84Lacs		2.12
Grand Total		128.90
		Say Rs.130.00Lacs

Jr. Engineer


Assistant Executive Engineer
R.W.S. Sub Division Kangan

Executive Engineer
R.W.S. Division Ganderbal

Superintending Engineer,
Hydraulic Circle Srinagar/Ganderbal

SALIENT FEATURES OF WATER SUPPLY SCHEME REZON

1.	Name of Scheme	:	W.S.S Rezon 34°17'41.62"N & 75°11'50.71"E
3.	Name of District	:	Ganderbal.
4.	Name of Tehsil	:	Kangan.
5.	Topography	:	Semi hilly.
6.	Type of Scheme	:	Gravity.
7.	Source of Scheme	:	Rezon Nallah
8.	Proposed Rate of Supply	:	70LPCD.
9.	Capacity of Proposed Storage	:	0.30Lac Gallons Capacity S.R.
10.	POPULATION:-		
	i) Present Population	:	1540Souls.
	ii) Designed Population	:	3339Souls.
11.	Estimated Cost of the Scheme	:	130.00Lacs.
12.	COST PER CAPITA ON:-		
	i) Present Population	:	Rs.8,441.00
	ii) Designed Population	:	Rs.3,893.00
13.	EXECUTING AGENCY		KASHMIR PHE DEPARTMENT THROUGH PHE R.W.S DIVISION, GANDERBAL.

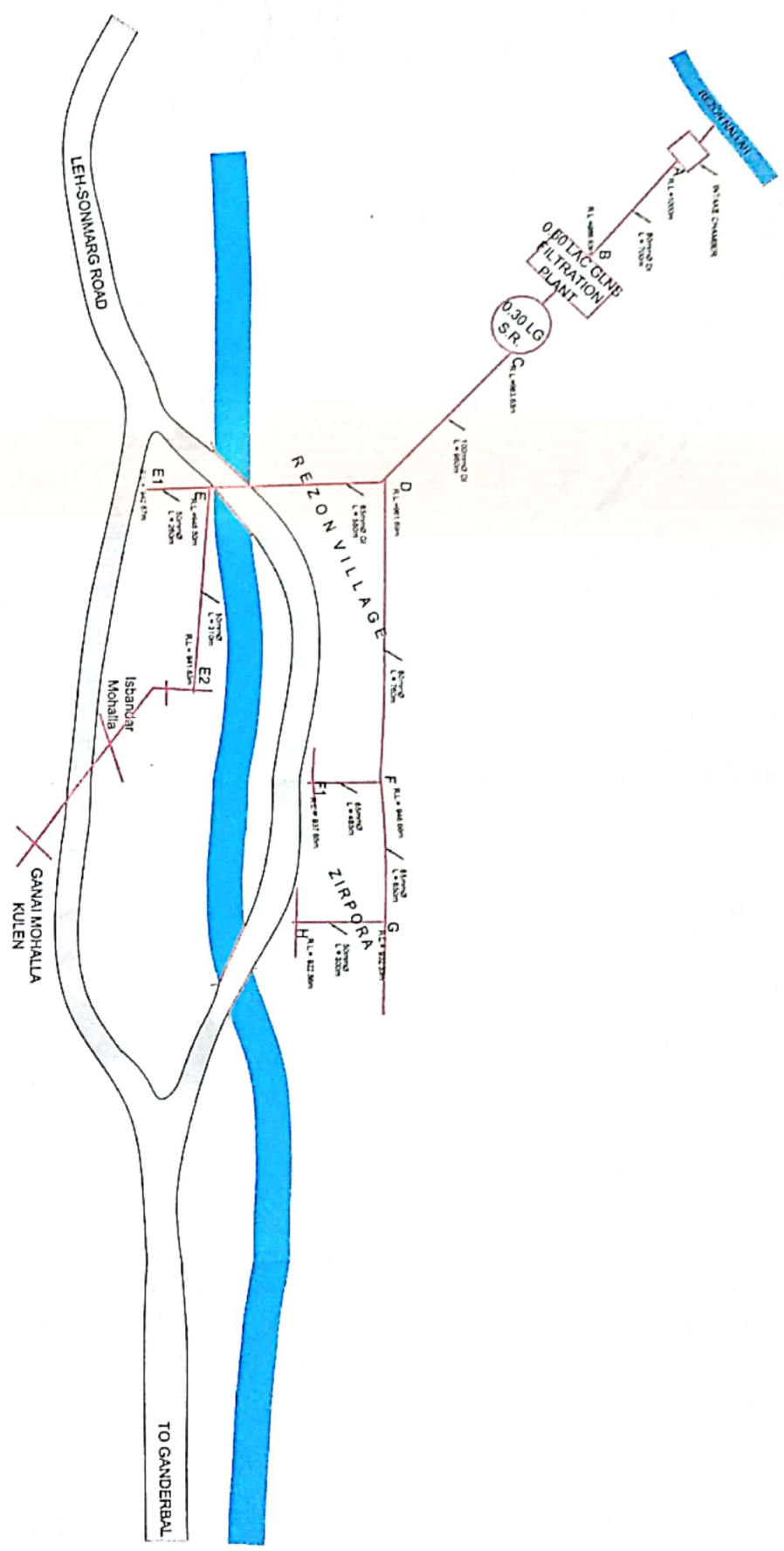

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Assistant Executive Engineer
R.W.S. Sub Division Kangan


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R.W.S. Division Ganderbal

SITE CUM LINE PLAN FOR WATER SUPPLY SCHEME

REZON



Road :
Nallah :
Proposed :

J. E.
Assistant Engineer
Executive Engineer