



# SALIENT FEATURES OF WATER SUPPLY SCHEME WANIDORUSSA TEKIPORA

1.	Name of Scheme	:	WSS WaniDorussa Tekipora
2.	Name of District	:	Kupwara
3.	Name of Tehsil/Block	:	Sogam / Sogam
4.	Name of Constituency	:	Lolab
5.	Source of Scheme	:	Spring Joginag/Well
6.	Type of Source	:	Surface Water/Ground Water
7.	Type of Scheme	:	Gravity / Lift
8.	Proposed Rate of Supply	:	70 LPCD
9.	WATER REQUIREMENT:		
	a) Full Day requirement	:	3.25/1.66Lac Gallons
	b) Half Day requirement	:	1.62/8.83lac Gallons
10.	STORAGE CAPACITY:		
	a) Existing Capacity available for Tekipora	:	1.66 Lac Gallons
		:	0.83 Lac Gallons
	b) Proposed Storage capacity for Tekipora	:	0.60Lac Gallons
	c) Proposed Storage capacity for Wanidorussa	:	0.83Lac Gallons
11.	POPULATION:		
	a) Present ason 2018	:	Tekipora = 6626 Souls
		:	Wanidorussa= <u>3380 Souls</u>
			= 10006 Souls
	b) Proposed as onn 2028	:	Tekipora = 18356 Souls
		:	Wanidorussa= <u>9364 Souls</u>
			= 27720 Souls
12.	SOURCE DETAILS FOR WANIDORUSSA		
	i) Developed Discharge	:	13800GPH
	ii) Safe Discharge	:	11000GPH
	iii) Safe Lifting Discharge	:	10000GPH

12.	ESTIMATED COST	:	Rs.873.85Lacs
13.	PER CAPITA COST:		
	a) As per Present Population	:	Rs.8,733.00
	b) As per Designed Population	:	Rs.3,152.00
14.	PROPOSED YEAR OF START	:	2019-20
15.	TIME OF COMPLETION	:	THREE WORKING SEASONS SUBJECT TO AVAILABILITY OF FUNDS.
16.	EXECUTING AGENCY	:	KASHMIR PHE DEPTT. THROUGH PHE DIVISION KUPWARA

  
Jr. Engineer

  
Assistant Executive Engineer  
P.H.E. Sub Division Sogam

  
Executive Engineer  
P.H.E. Division Kupwara

## TECHNICAL REPORT

**HISTORY & NECESSITY:** The water supply scheme comprises of two census village viz Wanidorussa & Tekipora which are about 25Kms away from district headquarter Kupwara in famous valley Lolab. The loal valley was considered the paradise of springs which where praised by the famous poet Dr. Sir Mohammad Iqbal once in his glorious poetry. It is unfortunate enough that this paradise has lost its importance and glory due to depletion of springs for which it was famous. The villages Tekipora and Wanidorussa which are situated on the extreme end of south Lolab on toe hills, where provided with deep tube wells to explore the ground water for drinking purpose. For village Tekipora a tube well was dug during 1979-80 with a discharge of 5000 gallons/hour and water supply provided to the people thourgh this source, but with the passage of time the discharge decreased coniserably and one more tube wall explored which showed heavy iron content for which iron removal plant was installed but unfortunately the well got depleted and people once again suffer from water scarcity. Though another tube well was explored which unfortunately showed heavy fluoride contents to a harmfull degree, although has shown a good discharge. The matter stands discussed at various levels and Chief Engineer, PHE Kashmir was also apprised about the situation, as a meger supply is being provided to the village after every 12 to 16 days to overcome the difficulty and have an assured water supply to the village, a spring cum nallah source called Joginag has been proposed to be got

tapped for the water supply facilities which will cater the village Tekipora and partly Wanidorussa of the scheme.

For village Dorussa and Walkhul a tube well was explored which has shown a discharge of 11000 Gallons per hour as communicated by the Ground Water Division Srinagar, which is sufficient for providing water supply to the village Dorussa and Walkhul, which is scattered right from Walkhul to Wanidorussa for a length of 04Kms (Approx.)

At present no water supply is being provided to village Dorussa and Walkhul and people are facing acute hardships in fetching water from remote and depleted springs and even use the water from stagnant ponds, which has acted upon the physique of the socially and economically backward community of the society.

OSALS:

The following proposals have been envisaged for both sources:-

**1) Laying / Fitting of Pipes:**

The source 'Joginag' is proposed to be tapped by laying of raw water main of 125mm dia and 100mm dia DI and dropped in existing SR, which will provide water supply to village Takipora, Gujjarpatti Waidorussa. Also the supply main/ distribution system shall be laid to facilitate each and every house hold under command.

For Dorussa and Walkhul, the rising main shall be provided from Tube well source to proposed SR, where from supply main, sub-main and distribution system shall be laid to connect the each household.

2) Construction of Head Works:

The spring/nallah is in a scattered manner and needs a headworks so that whole water is collected in a proper direction and then supply through the raw water main including providing protection work.

3) Construction of 0.60Lac Gallons S.R. for Tekipora and 03 No.SR's for Wanidorussa:

The SR shall be constructed circular in shape with RCC Walls of designed mix, so as to have and provide full discharge to the inhabitants. The SR's are proposed to be covered walls dome type covering. The SR's will be constructed on the sites where from whole population is covered and benefitted.

4) Construction of Pump House/Operators Quarter at Dorussa:

A pump house / operations quarter is proposed near tube well site, where electrical / mechanical equipments shall be housed and will provide shelter to the operating staff as well.

5) Providing M.S. Flanges to 100mm and 80mm dia pipes:

It has been proposed to provide 10mm thick M.S. flanges to 100mm and 80mm dia GI pipes as the terrain is hilly and undulated, where socketed joints are not feasible and are leaking as observed in such conditions.

6) Construction of old damaged pump house at Wanidourssa.

The old pump house has got damaged to the extent that it cannot be repaired, thus a new pump cum operators quarter is proposed to be constructed to meet up the present demand.

7) Construction of PST and SSFP.

As we are tapping a spring cum nallah source, it is proposed to construct PST and SSFP, so that potable drinking water is proposed to the people. The structure shall be constructed on designed requirements viz a viz designed parameters.

8) Construction of Gate Valve/Controlling Chambers.

The water supply is being provided to the consumers through intermittent supplies, thus needs regulatory devices viz Sluice Valves/Gate Valves, to control the supply, for which Chambers have been proposed, so that the vital installations is saved and safe guarded from the foreign interference.

9) Construction of Chowkidar Quarter.

It is proposed to construct chowkidars quarter near the SR's for its proper watch and ward.

10) Providing Chain Link Fencing.

For Safe guarding the structures and to avoid apprehensions of damages / trespassing, it is proposed to provide chain link fencing around the structures.

11) RCC Jacketing to Old S.R.:

The old SR at Takipora is leaking and needs check to avoid loss of stored drinking water for which RCC jacketing is proposed to old structures.

12) Change of alignment of supply mains of Dogerpora.

The supply main for Dogerpora and Baghat Colony has been laid along the Takipora - Dorussa road and needs to be realigned to avoid damaged due to road widening and future development.

13) Stabilization / Improvements and retrieving of old damaged / defunct pipe network:

The old existing system has got damaged due to wear and tear and other reasons, is leaking profusely and needs retrieving of old system, for which stabilization/ improvements of old system is proposed.

14) Construction of R-Wall & B-Wall

The topography of the area is hilly and structures are to be constructed or have been constructed on the hilly terrains, needs protection both from uphill and downhill slips and slides, for which R-Wall and B-Wall have been proposed.

15) Provision for the formulation DPR, Road Cuts and Land Compensation.

A provision for the computerization, survey, inauguration ceremony and soil testing has been kept in the DPR besides compensation to forest department as land compensation and trees. This also includes compensation to R & B Department for the restoration of roads as the pipe line shall cross the G. A. C. road at various spots.

16) Mechanical / Electrical Works.

The cost of Mechanical / Electrical Works has been included in the D. P. R. The Abstract of Cost of Mechanical / Electrical Component is appended herewith as provided by them.

**COST OF THE SCHEME:**

The cost of the scheme as per the General Abstract (Enclosed) works out to Rs.873.85Lacs including Mechanical Components.

### TIME OF COMPLETION:

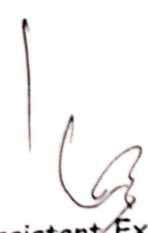
The work is proposed to be constructed in three working seasons subject to the availability of funds & materials required for the scheme.

### RECOMMENDATIONS:


The people of the areas proposed in the scheme are facing hardships for want of drinking water and are totally backward. These people have to cover a lot of distance to fetch water from faraway springs. To mitigate their hardships and to harvest the already explored tube wells, it is highly recommended to accord administrative approval to it.



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