

Chapter-5

Punjab State Tube well Corporation (PSTC)

PSTC has prepared a scheme for installation of one deep tube well at Majari to provide irrigation facilities in the beet area and four tubewells in Selenium toxicity affected areas under RSVY as per the proposal given below.

The estimate amounting to Rs. 45.00 Lacs has been framed to cover the probable cost of sinking and installation of one No. deep irrigation tube well in village MAJARI (BEET AREA) of Garhshankar Block Distt. Hoshiarpur.

A proposal of under RSVY to install deep irrigation tube well in village MAJARI (BEET AREA) of Garhshankar block received through Distt. Administration Hoshiarpur to cater the irrigation / drinking water requirement of village of the said area has been prepared.

Accordingly the proposal the physical survey of the area was conducted by the representative of superlinks wells Mohali the survey revealed that the water table in this area is very deep which is around about 150-160 mtr. and the drilling depth of already installed tube well (by soil conservation dept.) ranges from 250-300 mtr. with discharge varying from 0.50 Cs. to 1.00 Cs. This Tube well site falls in the higher elevation and the depth is likely to be remain as 250 mtr. with average discharge 0.75 Cs.

On the basis of resistivity survey this estimate propose average drilling depth 250 mtr. with 190 mtr. housing, 25 mtr. slot and remaining blind pipe and expected average discharge of 0.75 Cs. and accordingly motor/ pumping set has been provided.

This estimate covers the cost of drilling and development cost. of pump house D-Tank, under ground water carrier and energisation of Tube well. These components cost Rs. 45.00 Lacs have in which Johnsons stain less steel filter has been provided the cost of which is around Rs. 2.50 Lacs.

Main Abstract of Cost. (Rs)

1.	Drilling Charges	=	20,00,000.00
2.	Assembly materials	=	9,84,500.00
3.	Gravel packing.	=	66,000.00
4.	Development and over development charges.	=	1,40,000.00
5.	Installation of pump set, internal electrification and energisation.	=	5,12,500.00
6.	Running of vehicles for inspection and shifting of material.	=	68,000.00
7.	Civil works.	=	<u>7,20,000.00</u>
	Total Rs.	=	<u>44,91,000.00 (say Rs.45.00 Lacs.)</u>

B .PROJECT ESTIMATE FOR SINKING AND INSTALLATION OF 4 NO. DEEP TUBEWELLS IN GARHSHANKAR BLOCK OF DISTT. HOSHIARPUR - a proposal under RSVY

This project estimate amounting to Rs. 86.00 Lacs has been framed to cover the probable cost of 4 Nos. deep T/wells (in Village Simbli, Panam and Nazarpur) in Garhshankar block Distt. Hoshiarpur.

It is proposed to install 4 Nos. deep T/wells in the above said villages of Garhshankar Block Distt. Hoshiarpur. The under ground water of shallow T/wells of these Village is **too much saline as per the test conducted by the Pb. Agriculture University**. The Crops in both sequence i.e Rabi and Khariff are being Irrigated by the shallow T/well ground water. It contains too much selenium contents which are beyond the permissible limit. The land is becoming unfit for Agriculture purposes day by day and this saline water is causing earth cancer. If the irrigation with this saline water continues, this will effect the living standard of families as the land is going on unfit for Agriculture production. This position is also effecting the relationship with each other. This underground water is harmful for the health of human being and animals too. The animals losing their hairs and malformation of hoofs and horns. The fodder which is produced by this ground water is not fit for animals. The food grains has also the same effects of selenium and it is harmful for the Human being. The cultivators are selling these food grains in the nearby local markets which will effect the health of the consumers on later stage.

The total area of Village Simbli, Panam and Nazarpur is 415 Hect., 215 Hact and 85 Hect. respectively about 200 Hect. of fertile agriculture land of these Villages contains selenium contents more than the permissible limit. To avoid the situation to deteriorate further, deep T/wells are most necessary in these Villages. Hence the necessity of this project estimate.

In pursuance of this proposal, the physical survey of this area was conducted by the representative of P.S.T.C. on dated. 21.6.2004. The survey reveals that the water table is not so deep which is around 33 mtrs. and the depth of deep tubewells will vary from 140 to 160 mtrs. with a discharge varying from 1.00 to 1.50 Cs. with clear crystal water to irrigate 125 to 150 acres of land by each tubewells.

This project covers the cost of drilling and development, pump house, D-Tank, underground water carrier and energisation of T/wells. 80 Mtrs. length with 12" dia housing pipe, 25 Mtrs. slotted and remaining blind pipe is also provided in the estimate and the expected discharge is taken as 1.25 Cs. which is sufficient for irrigation and drinking purposes. About 400 Acres of Agriculture land will be covered after the installation of these 4 Nos. T/wells.

Keeping in view the need of cultivators, the deep T/wells should be installed so that the situation may not deteriorate further. The yields of food grains will be increased which will improve the living standard of about 80 families. No. of T/wells will be increased if whole area of these villages are covered for irrigation.

The above proposal will benefit a population of 4862 persons and will generate 6944 man days employment and create sustained employment for 5 persons .

Cost Estimates-

1. Drilling Charges.	1,31,325.00	20,00,000.00
2. Assembly and material.	7,29,139.00	9,84,500.00
3. Development and over development charges.	39,058.00	1,40,000.00
4. Gravel packing.	-	66,000.00
5. Installation of pump set Internal electrification and energisation.	3,47,000.00	5,12,500.00
6. Civil works.	9,00,000.00	7,20,000.00
7. Running of vehicles for inspection & shifting of material.	(Already included) in sub head 1 to 5.	68,000.00
Total	= 21,47,022.00	44,91,000.00
		Say Rs. 45,00,000.00

Cost of 4 No. T/well = 21.47x4 = Rs. 85.88 Lacs

Say = Rs. 86.00 Lacs

Total cost of 4 No. T/wells = 86.00 + 45.00 = 131.00 Lacs