



Gujarat Water Supply & Sewerage Board

Lokarpan Samaroh

Khavda Mangrove Sump to Dharamshala Dedicated Pipeline

Tal. Bhuj, Dist. Kachchh

Dedicated in service of people

by Hon'ble Chief Minister Shri Narendrabhai Modi

on 15th August 2013



In presence: Shri Mahesh Singh, IFS, Member Secretary, Guj. Water Supply Board, Shri A.K. Sinha, Range I.G., Border Security Force, Shri R.L. Patel, Chief Engineer, Guj. Water Supply Board

Khavda Mangrove Sump to Dharamshala Dedicated Pipeline Tal. Bhuj, Dist. Kachchh

Preamble:

- Military & Para Military forces have been deployed at various locations at International boundary with Pakistan in Kutch District.
- There are no surface or sub surface drinking water sources available in the vicinity of BOPs.(Border OutPost) All BOPs namely Dharmashala, Shakti bet, Karim Shahi, Vighakot, Bawarala bet, Biar bet etc are situated in the Rann of Kutch.
- There is inherent salinity in the soil. Quality of water in the deep aquifer is saline and not fit for any use.

Old Water Supply Scheme:

- Drinking water pipeline system was developed from time to time after year 1965.
- Sources of water developed near village Khavda and transmission pipeline were extended to the BOPs.
- Drinking water Storage Structures were constructed at each BOPs.
- Dharamshala to Vighakot BOPs are connected with drinking water pipeline in year 2004.
- Average water requirement of defense forces is about 5.00 Lac liters per day.
- Water was supplied to Dharamshala from Mangrove Sump through existing 250 mm dia AC pipeline about 28 Kms, which was laid in year 1999.
- The leakages in this AC pipeline occurred frequently due to termite attack in rubber ring of AC pipeline.
- Due to leakage in this transmission pipeline, water loss occurred and sufficient quantum of water could not be supplied to Dharamshala BOP. When leakages occur in creek area, the problem of mixing of saline sea water occurs. Hence it is required to replace with new pipeline. Due to leakage problems water supply was getting disturbed for two-three days.

New Work:

- Looking to situation, it was required to replace existing pipeline.
- Existing AC pipeline is replaced by 250 mm dia DI pipeline about 27.5 Km with provision of intermediate pumping.
- The estimated amount of this work is Rs. 8.40 Crores
- On completion of new work, security forces to get regular & undisturbed water supply at Dharamshala.

Latest Position:

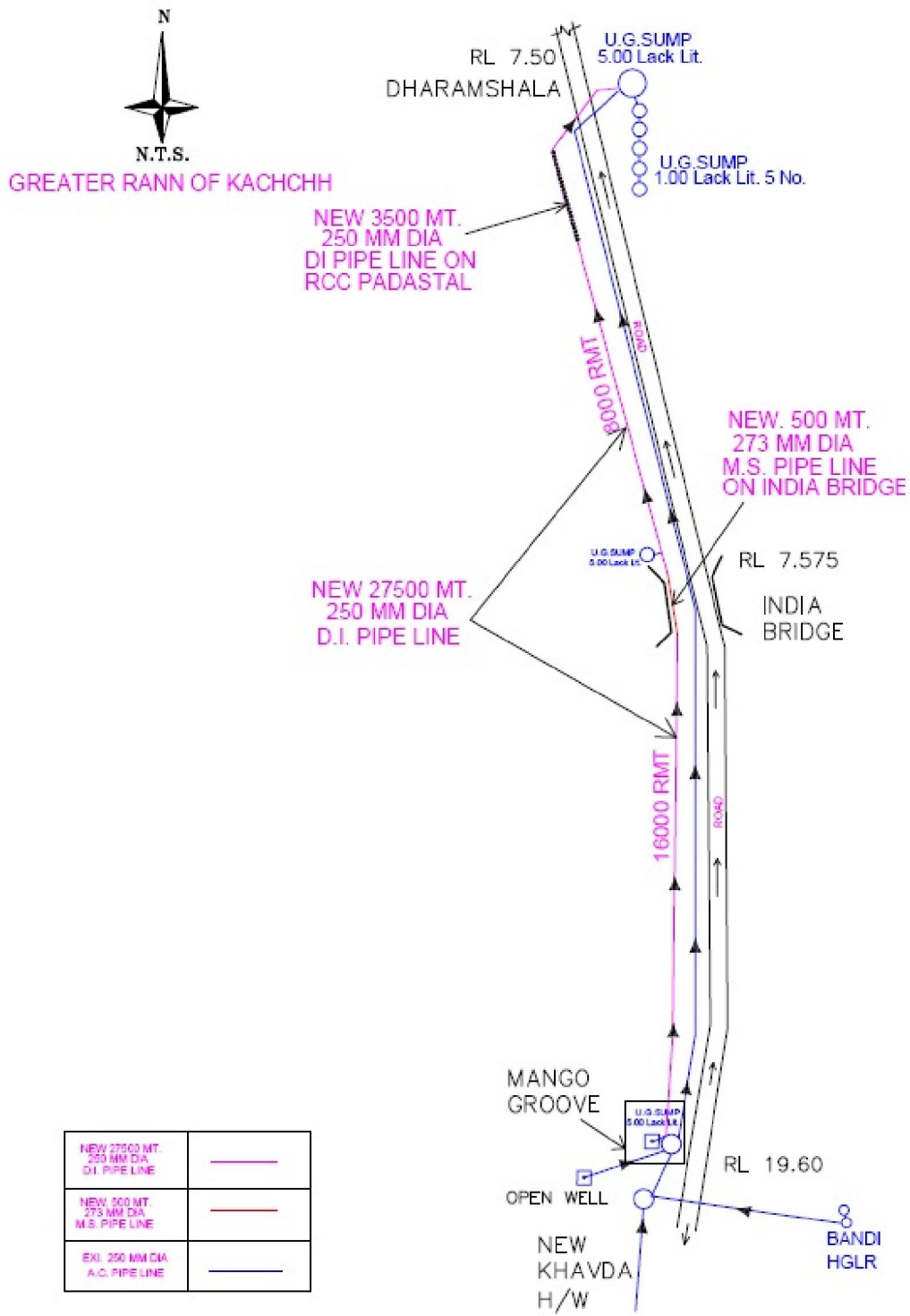
The work of laying steel pipeline (DI pipeline) is completed recently & water supply is started.

Mangrove to Dharamshala Water Supply Scheme, Tal. Bhuj, Dist. Kutch

RECAPITILUTION SHEET

Sr No	Components	Amount (Rs.Crore)
1	Lowering, laying 250 mm dia DI (K-7) Pipeline, 27.5 Km	6.99
2	Pumping Machinery	0.15
3	Removing existing 250 mm dia AC pipeline	0.36
	Total Net Amount	7.50
	12 % ETP Charges	0.90
	Gross Amount	8.40

MANGROOVE SUMP TO DHARAMSALA D.I. PIPE LINE



Glimpses of Events organised in august presence of Hon'ble Chief
Minister Shri Narendrabhai Modi



Welcome to Hon. Chief Minister by Shri Mahesh Singh, IFS, Member Secretary



Hon'ble Chief Minister being appraised about the project



Tree plantation on the occasion



In conversation with Jawans of BSF...