

PROJECT NOTE

Project Title: Booster pumping station for water supply at S. No. 301, Dehre village by MIDC, Ahmednagar

MIDC has developed Ahmednagar industrial area along Nagar-Manmad highway admeasuring 591.02 Hectares in the year 1977-78. Out of this, the area of plots carved out is 408.47 Hectare with 1250 Nos. of plots allotted. Industrial activities in diversified sectors such as Engineering, Chemical, Textile, Pharmaceuticals etc. are ongoing in this industrial area. Out of these some of our prestigious consumers are L & T, Crompton Greaves, Kirloskar, Cummins, Sun Pharma, I.S.M.T., etc.

Similarly we have developed Supa-Parner industrial area about 30 kms from A'nagar city on Pune-A'nagar highway admeasuring 329.84 Hectares. Out of this the area of plots carved out is 181.37 Hectares with 357 Nos. of plots all are allotted. In this area MIDC has newly developed E & F block, Wherein more & more industries are upcoming to start their production activities. Prominent consumers in this indl. Area are Japha Oberoi, Margalam Oil, Shivshakti Extractions, Kinetic Engineering, Uma Precision etc. Looking to demand of entrepreneur additional supa indla. Area is proposed.


For water supply to abovesaid industrial areas including Mititary Engineering Services (MES), A'nagar and various grampanchayats we have developed 32 MLD water supply scheme @ A'nagar. Out of which 18 MLD supplied to MES, 8 MLD to Ahemdagar india. Area 4MLD to supa indl. Ara & remaining 2 MLD to near by villages.

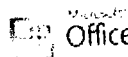
The source of water is from Mula dam vere Jackwell is constructed across Mula Dam from where raw water is lifted. Similarly WTP & Pure water pump house is constructed in A'nagar indl. Area. For conveyance of raw water from Jackwell, Mula Dam, up to WTP, A'nagar 1000 mm dia. MS raw water rising main is laid in the year 1981 having a length of about 23 kms. From Mula dam to WTP, A'nagar.

JUSTIFICATION

Since high head of about 165-170 mtr is acting on the existing pipeline, a very high pressure is exerted on the pipeline which lead to frequent breakdown/ bursting of the pipeline. Single stage pumping for such high head is creating huge no. of leakages/ breakdowns on this pipeline which affect the water supply adversely. As such it is necessary to introduce an intermediate stage in order to break the head and safeguard the pipeline from frequent breakdowns.

On inspection it is learnt that at Dehre village (approximately 12.8 Kms from Mula Dam), there is reserved forest land in the proximity (Survey No. 301 which is most suited for this purpose). The existing line is passing through non forest land is very close to proposed site hence technically it is most suited site. Area required for this purpose is very less and we are proposing minimum area of 0.66 ha for conversion of forest land to nonforest purpose


Deputy Engineer
MIDC, Maintenance Sup-Division,
Ahmednagar.



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Cost Estimate Supa I. Park
DE Ahmednagar**Sent:** Thursday, August 28, 2014 1:06 PM**To:** SE Pune (E&M)**Attachments:** [Cost Est. Supa I. Park.pdf \(919 KB\)](#) [Open as Web Page]

Sir,

Pl. see attached files.

DE
Ahmednagar

Cost Estimate : Supa Industrial Park

(I)

For structures proposed for Booster pumping station in forest survey
no. 301 at village Dehere.

Description	Cost in Lakh
1) Construction of Sump of 2000.00 Cum. Capacity (Block rate as per circular No.25 dated 21/8/2013) 2000.00 X Rs. 7000.00 Per Cum. = 14000000.00	140.00
2) Construction of pump house of 300.00 Sqm. (Block rate as per circular No.25 dated 21/8/2013) 300.00 X Rs. 16200.00 Per Sqm = 4860000.00	48.60
3) Construction of panel room of 200.00 Sqm. (Block rate as per circular No.25 dated 21/8/2013) 200.00 X Rs. 19549.00 Per Sqm = 3909800.00	39.09
4) Construction of Office Building of 130.00 Sqm. (Block rate as per circular No.25 dated 21/8/2013) 130.00 X Rs. 19549.00 Per Sqm = 2541370.00	25.41
5) Construction of Class four quarters Building (4Nos.) 142.45 Sqm. (Block rate as per circular No.25 dated 21/8/2013) 142.45 X Rs. 18260.00 Per Sqm = 2601137.00	26.01
6) Construction of Compound wall to the plot about 515.00	

Rmt.(Rate as per Supa Indl. Park)

64.54

515.00 X Rs. 125.33 lakh Per Km. = 64.54

7) Providing Laying & Jointing 1000 mm Dia. 8 mm thk.

M.S. Line for Inlet & Outlet connection to sump.

Each 100 Rmt. i.e. 200 Rmt.

(Block rate as per circular No.25 dated 21/8/2013)

39.07

200.00 X Rs. 19535.00 Per Rmt. = 3907000.00

8) Construction of Watchman Cabin Building 10.00 Sqm.

(Block rate as per circular No.25 dated 21/8/2013)

01.82

10.00 X Rs. 18260.00 Per Sqm = 182600.00

Total

388.45

(I)



Deputy Engineer
M.I.D.C., Wajale Sub Div
Mumbai

COST ESTIMATE-II

Probable cost for pumping machinery & power supply arrangement.

- a) At source i.e. RWW, Mula dam.
Pumping machinery for 63 MLD
4 nos. 300 HP Pumps (2 Working + 1 standby)
1200 HP x Rs. 12000/- per HP 144.00 lakh
- b) At Dehre for 2nd stage pumping
for 63 MLD at 3.3 KV level
6 nos. of 500 HP pumps including
11 KV/3.3KV sub station (4 working + 2 standby)
3000 HP x Rs. 20000/- per HP 600.00 lakh
- c) Providing 11 KV express feeder
12 KM x Rs. 15.00 lakh/KM 180.00 lakh

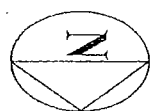
Total Rs. 924.00 lakh —(II)

V. Chavhan
Deputy Engineer
MDC, Maintenance Sup-Division,
Ahmednagar.

Total Est. Cost = I+II = Rs. 1312.45 Lakhs.

LOCATION MAP OF FOREST SURVEY NO. 301 AT VILLAGE DEHRE, DIST. AHMEDNAGAR.
AHMEDNAGAR - MANNAD RAILWAY TRACK.

MDC 1000 MM DIA. R.W.R.M. EXISTING.



AHMEDNAGAR

AHMEDNAGAR - MANNAD RAILWAY TRACK.

RAILWAY LAND

MANNAD

NOTE :

- A - ENCROACHMENT HUTMENTS
- B - ENCROACHMENT HOTEL
- C - ENCROACHMENT BHAVANIMATA MANDIR
- D - ENCROACHMENT DAMAGED STRUCTURE CLOSED CONDITION
- E - ENCROACHMENT CEMETERY

— SURVEY NO 301 FOREST LAND

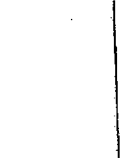
ENCROACHMENT SHOWN THUS

**SURVEY NO. 301
ON FOREST LAND & VILLAGE DEHRE.**

EXISTING MDC 1000 MM DIA. R.W.R.M.

3000 M WIDTH STATE HIGHWAY NO. 10 AHMEDNAGAR - MANNAD

AHMEDNAGAR



EXISTING BOOSTER PUMP HOUSE OF AHMEDNAGAR MUNICIPAL CORPORATION NEAR VILLAGE DEHRE

M.T.D.C. ENGINEERING DEPARTMENT	
OFFICE OF THE CHIEF ENGINEER, AHMEDNAGAR MUNICIPAL CORPORATION	
LOCATION MAP OF BOOSTER PUMPING STATION OF MDC IN FOREST SURVEY NO. 301 AT VILLAGE DEHARE, DIST. AHMEDNAGAR.	
DATE: 10/05/21	SCALE: 1:1000
BY: [Signature]	DATE: 10/05/21
FOR: [Signature]	DATE: 10/05/21

Disclaimer : Information provided on this site is for informational purpose only, and is not intended for any Government / Legal purposes.
As per the data available in the Office of the Tahasildar as on : 23-09-2013



गाव नमुना सात

अधिकार अ भलेख पत्रक.

(महाराष्ट्र ज मल महसूल अ वकार अ भलेख आ ण नदिवह्या तयार करणे व सुस्थितीत ठेवणे नियम , 1972 यातील नियम 3,5,6 आ ण 7)

जिल्हा अहमदनगर

तालुका नगर

गांव देहरे

गट क्रमांक	गट क्रमांकाचा उप वभाग	भूधारणा पध्दती	भोगवटदाराचे नांव
301		भोगवटदार वग - 2	
शेताचे स्थानिक नांव			क्षेत्र आकार आ ण पै. पो.ख. फे.फा. खाते क्रमांक

लागवडी योग्य क्षेत्र
हे. आर.चौ.मी.

फॉरेस्ट

16.00

0.66

(486)

1515

कुळाचे नांव

इतर अ प्रकार

एकूण

पोटखराब(लागवडी अयोग्य)

वग (अ) 0.66.00

वग (ब)

एकूण 0.66.00

आकारणी

जूडी कंवा

वशेष आकारणी

बाव नमुना बारा

सीमा आ ण मूलापत करे



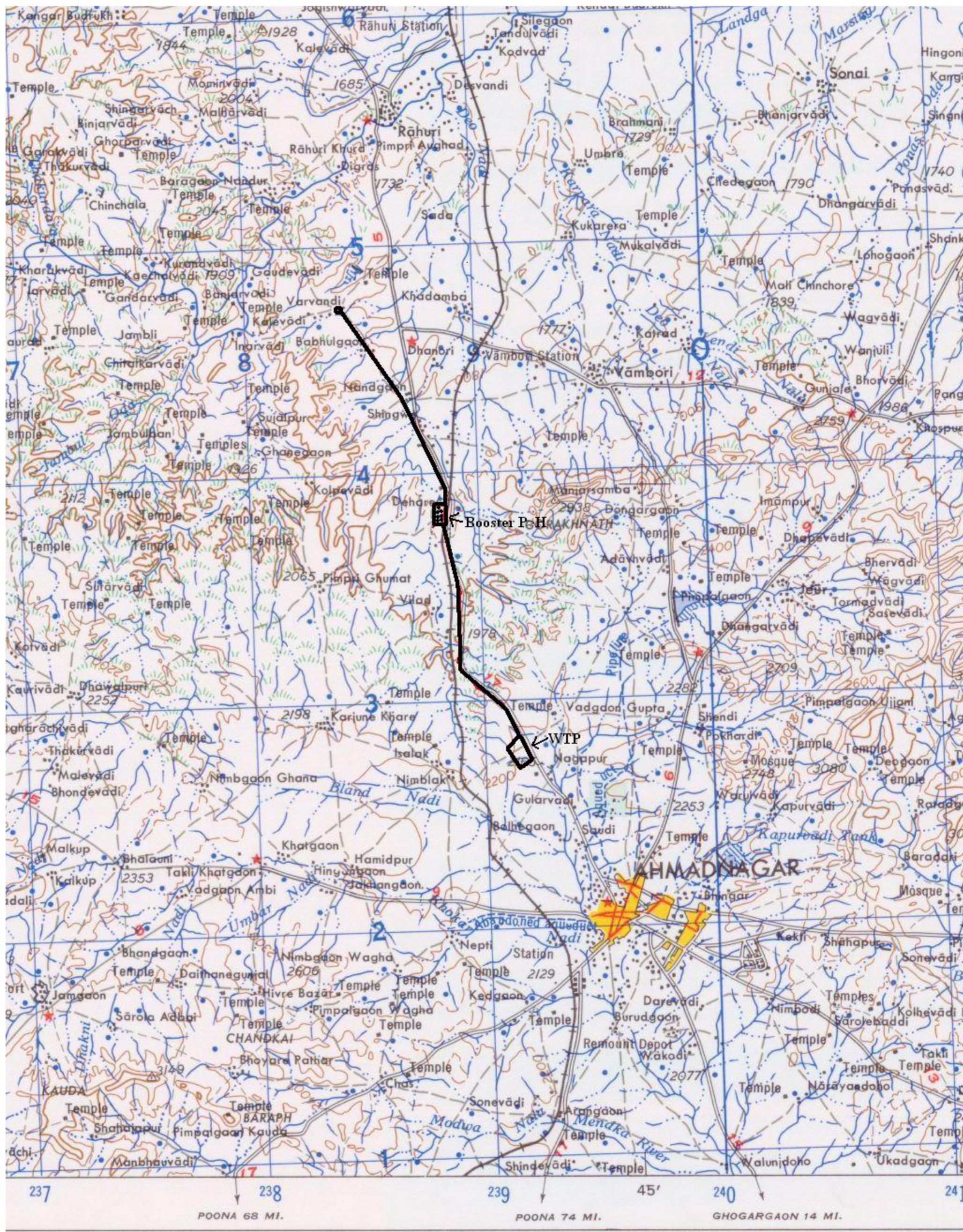
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Imagery Date: 5/25/2014 19°14'14.37" N 74°40'26.16" E elev 1893 ft eye alt 2784 ft



PROPOSED BOOSTER PUMPING STATION FOR WATER SUPPLY, S NO. 301, DEHARE VILLAGE

-  Existing Pipeline
-  Proposed Booster Pumphouse
-  Existing Water Treatment Plant

