

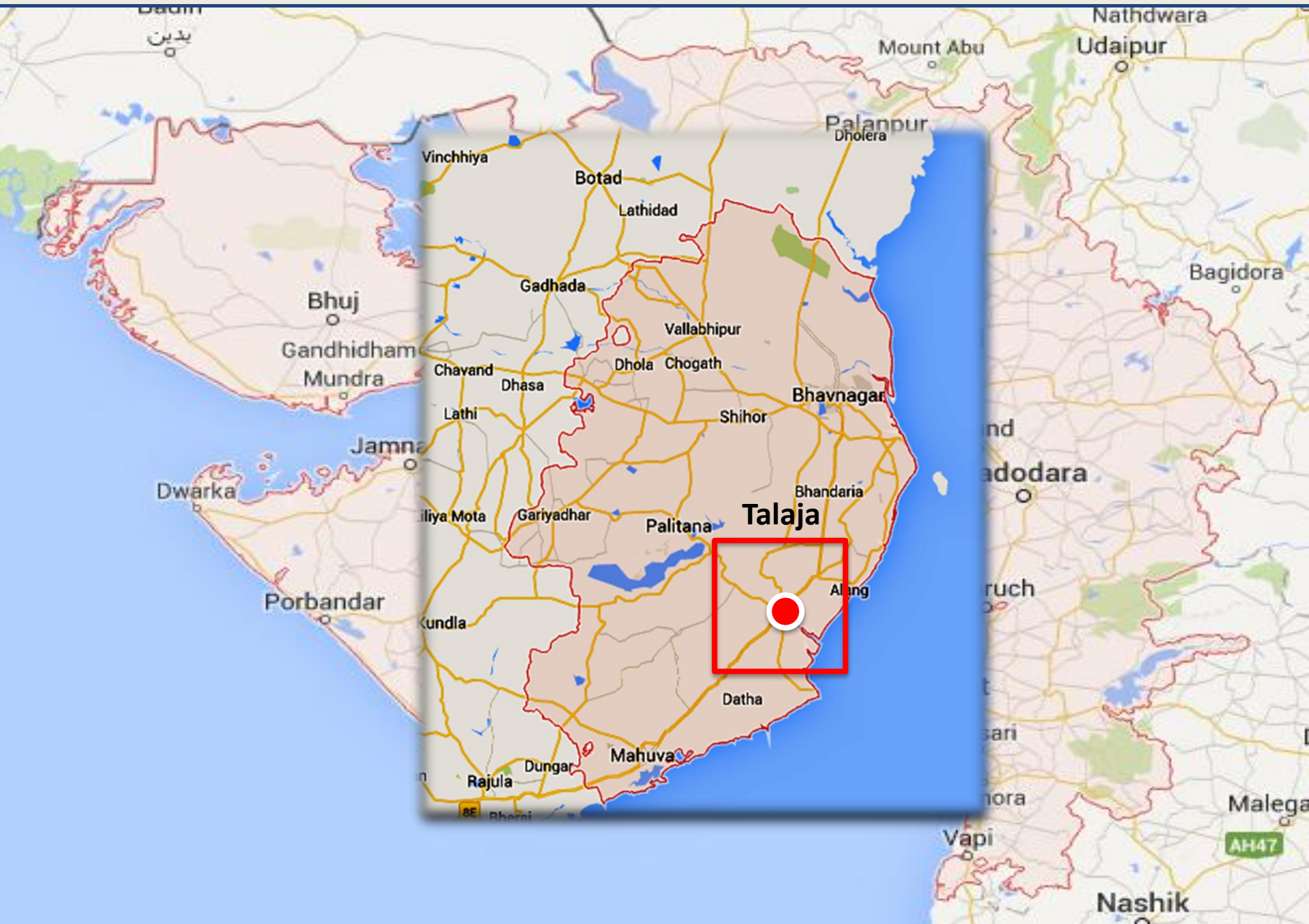
Action Plan for Open Defecation Free Talaja

Prepared by Urban Management Centre Under the Performance Assessment System (PAS) Project

2015



Location



Objective

Many of the cities like:

Rajpipala, Bantava, Haalol, Talaja, Gadhada, Jambusar, Chorvad, Bilimora, Veraval, Anjar etc. have achieved more than 95% coverage of toilets.

Talaja has 97% coverage of toilet

(PAS checklist 2014-15)

Objectives

- To understand the process adopted by the city to achieve the given target
- To review the existing conditions of household toilets, community and public toilets constructed under government program
- To identify the areas to intervene for making city ODF



Consultation with C.O.

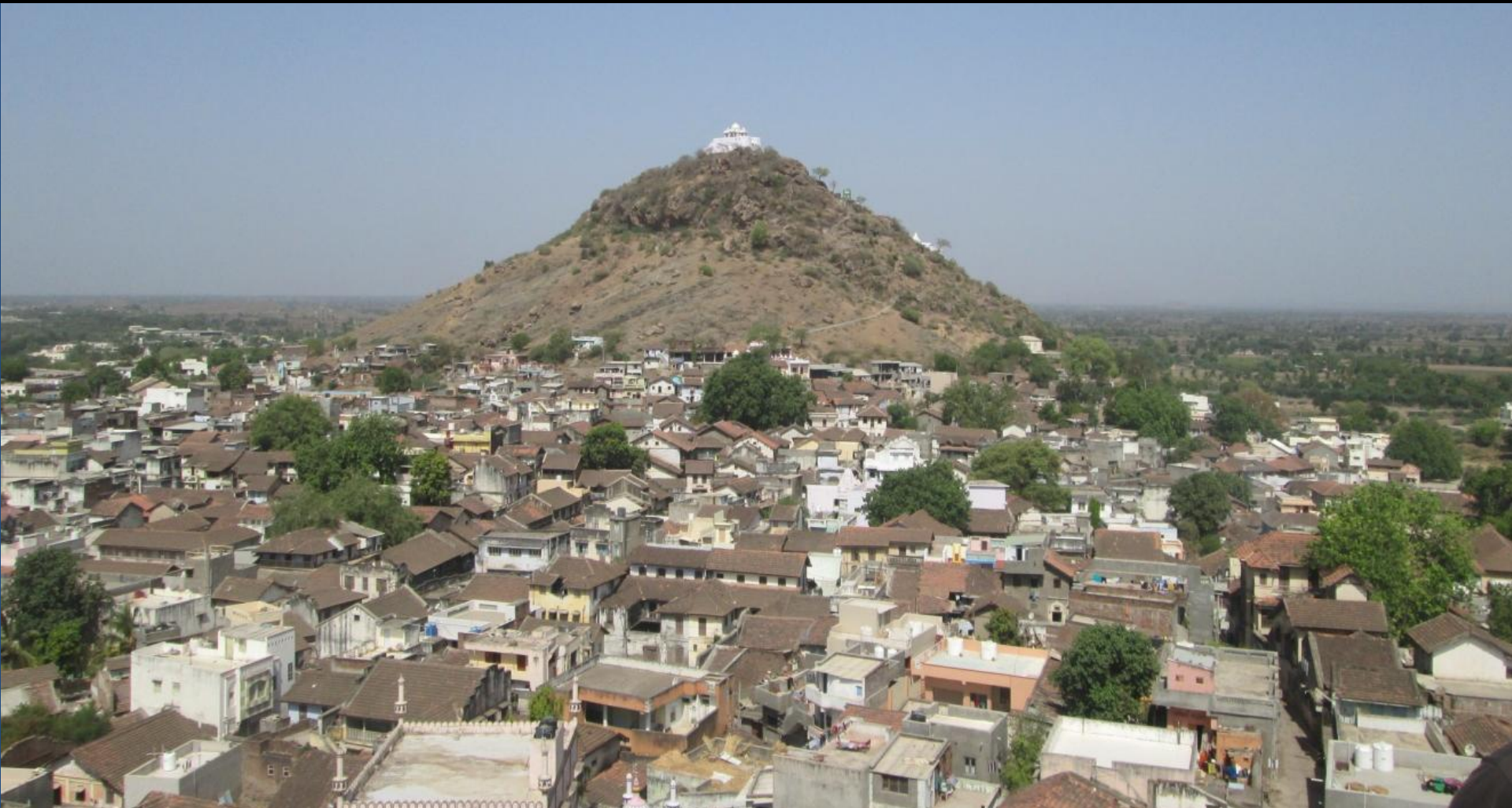


Consultation with slum dwellers

Talaja: Introduction

Best known for:

The birthplace of the poet Narsinh Mehta. Also important sites for Buddhism, Jainism and Hinduism. Talaja also holds the importance to Buddhists as there are around 30 ancient Buddhist caves cut into rocks.

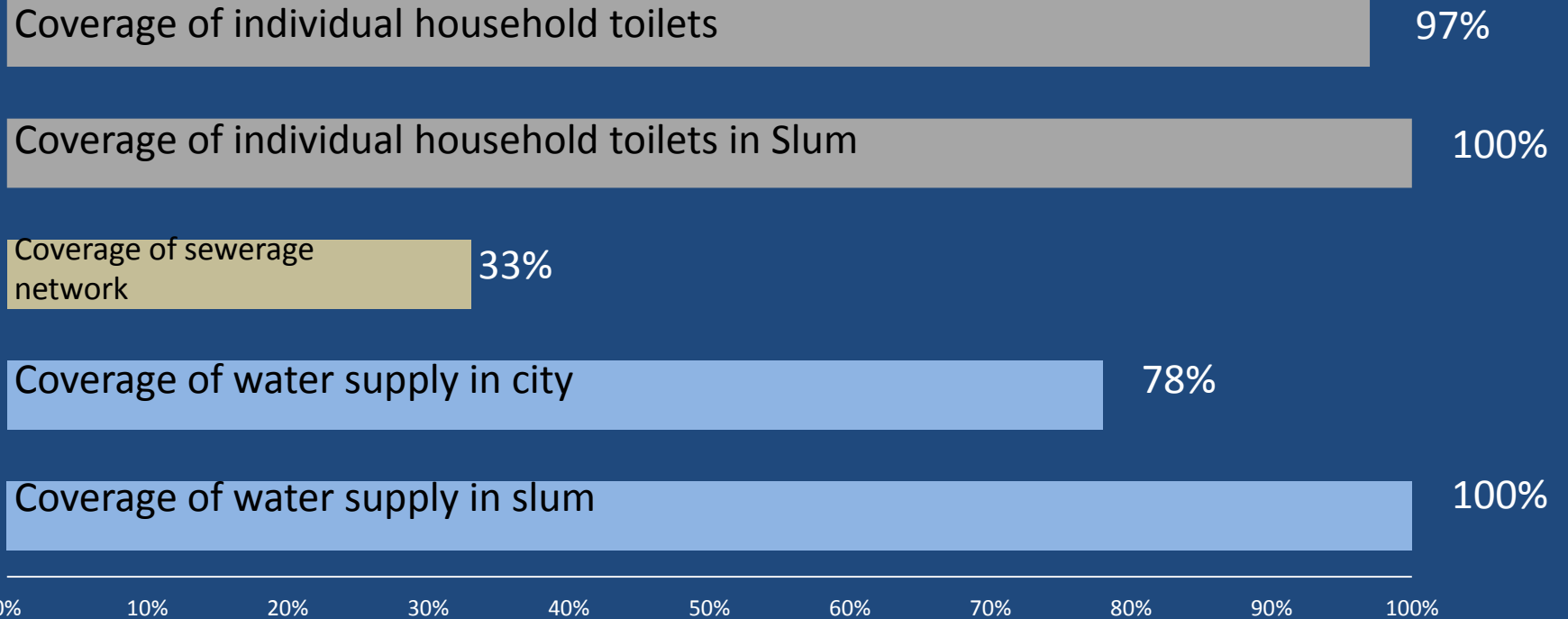


Talaja: Introduction

- Talaja is a class 'C' municipality in Bhavnagar district
- Area: 14.38 sq.km.
- City population: 28,375
- Households: 4986
- Slum settlements: 5
- Slum HHs: 566
- Slum population: 3832
- % slum population: 13.5
- Occupation: Farming, Agricultural labourers, Marginal workers
- Primary sources of water: Shetrunji river check dam

Talaja: Infrastructure

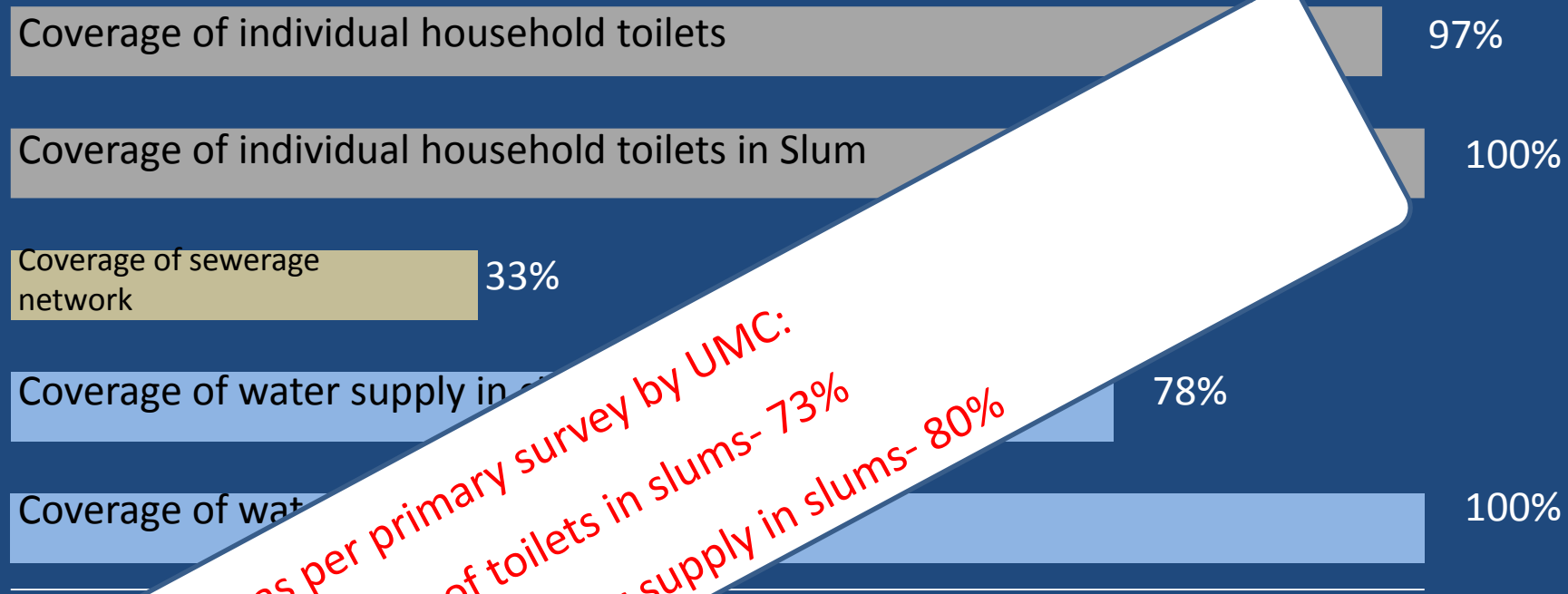
Achieved target of individual household toilets: Gujarat state*(June 2015) 77% (*159 Municipalities)



Source: PAS checklist, 2014-15

Talaja: Infrastructure

Achieved target of individual household toilets: Gujarat state*(June 2015) 77% (*159 Municipalities)



But as per primary survey by UMC:

- Coverage of toilets in slums- 73%
- Coverage of water supply in slums- 80%

Source: PAS

Talaja: Target of Individual Toilet and Progress

GMFB gave the target:
908 based on census
2011

ULB identifies 645
beneficiaries based
on HH survey (2013-
14)

ULB reported collector's
office at Bhavnagar to
reduce excess target of
263 toilets in March
2015

61 new beneficiaries
identified by ULB
through HHs survey in
April 2015

580 toilets completed
by May 2015

100% target expected by
July 2015

State grant: INR 55 lakhs

પ્રાંત અધિકારી અને સબ ડિવિઝનલ મેજિસ્ટ્રેટની કચેરી - તળાજા

રોયલ ચોકડી પાસે, તા. તળાજા જિલ્લો : ભાવનગર

ફોન નં :- (૦૨૮૪૨) ૨૨૨૨૬૦ ફેક્સ નં. ૨૨૨૩૬૦ Email :- pp-talaja-bey@gujarat.gov.in

નં.એડીએમ/વશી/૩૯૫/૨૦૧૫

તા.૨૭/૦૩/૨૦૧૫

પ્રતિ,
નિવાસી અધિક કલેક્ટરશ્રી,
મ્યુની. શાખા, કલેક્ટરેટ, ભાવનગર.

વિષય : નિર્મળ ગુજરાત વ્યક્તિગત શૌચાલય યોજના હેઠળ ફાળવેલ લક્ષ્યાંકમાં ઘટાડો
કરવા અંગેની દરખાસ્ત.

સંદર્ભ :- ચીફ ઓફિસરશ્રી નગરપાલિકાના તળાજાના પત્રનં. જાવડ
નં./બાંધકામ/૨૩૨/૨૦૧૫ તા. ૨૫/૦૩/૨૦૧૫

સવિનય ઉપરોક્ત વિષયેના સંદર્ભપત્ર થી ચીફ ઓફિસરશ્રી નગરપાલિકા તળાજા
તરફથી થઇ આવેલ અહેવાલ ની વિગતે હકીકત નીચે મુજબ છે,

નિર્મળ ગુજરાત વ્યક્તિગત શૌચાલય યોજના હેઠળ તળાજા નગરપાલિકાને
સેન્સસ-૨૦૧૧ પ્રમાણે વર્ષ ૨૦૧૩-૧૪ માટે -૧૭૭ તથા વર્ષ ૨૦૧૪-૧૫ માટે -૭૩૧ મળી કુલ ૯૦૮
શૌચાલય વિહોણા કુટુંબોને શૌચાલય યોજના હેઠળ આવરી લેવાનો લક્ષ્યાંક ફાળવેલ છે તે કુલ લક્ષ્યાંક
૯૦૮ પૈકી અત્યાર સુધીમાં નગરપાલિકા દ્વારા તથા સ્વૈચ્છિક સંસ્થાઓ દ્વારા સર્વે કરાવતા, કુલ ૬૪૫
કુટુંબો શૌચાલય વિહોણા મળી આવેલ છે. જેની દરખાસ્ત ગુજરાત મ્યુનિસિપલ ફાઇનાન્સ દ્વારા મંજૂર
થયેલ છે. જે પૈકી અત્યાર સુધીમાં ૪૯૦ શૌચાલયો પૂર્ણ થયેલ છે અને ૨૫ શૌચાલયોના કામો સ્થળ
ઉપર શરૂ છે. તેમજ બાકી રહેલા ૧૩૦ શૌચાલયોના કામો તા.૩૦/૪/૧૫ સુધીમાં પૂર્ણ કરી દેવામાં આવશે
જેની નગરપાલિકા દ્વારા ખાત્રી અને બાહેધરી આપવામાં આવે છે. જે પ્રકરણે સામેલ છે.

૯૦૮ પૈકી ૨૬૩ શૌચાલય વિહોણા કુટુંબોની શૌચાલય બનાવવા બાબતેની
દરખાસ્ત કરવાની બાકી છે. બાકી રહેલા ૨૬૩ શૌચાલયો પરત્વે નગરપાલિકા તળાજાએ સર્વે કરાવતા,
કવે પેછી શૌચાલય વિહોણા કોઈ કુટુંબો તળાજા શહેરમાં મળી આવતા નથી. કુલ લક્ષ્યાંક ૯૦૮ પૈકી
૨૬૮ નો લક્ષ્યાંક રદ કરવા તેઓના સંદર્ભીતપત્રથી દરખાસ્ત કરવામાં આવે છે. શૌચાલય વિહોણા કુટુંબો
મળતા નથી. તે અન્વયે એજન્સીઓના પ્રમાણપત્રો મેળવવામાં આવેલ છે. તેમજ તે અંગેનું પ્રમાણપત્ર
તથા બાહેધરી પત્ર સંદર્ભીત પત્ર સાથે સામેલ થઇ આવતા તે અસલમાં સામેલ રાખી સાદર કરેલ છે. જે
વિદિત થઇ ઘટીત થવા વિનંતી છે.

પ્રાંત અધિકારી
તળાજા

બિડાણ :-
ઉપર મુજબ

Talaja: Survey Methodology

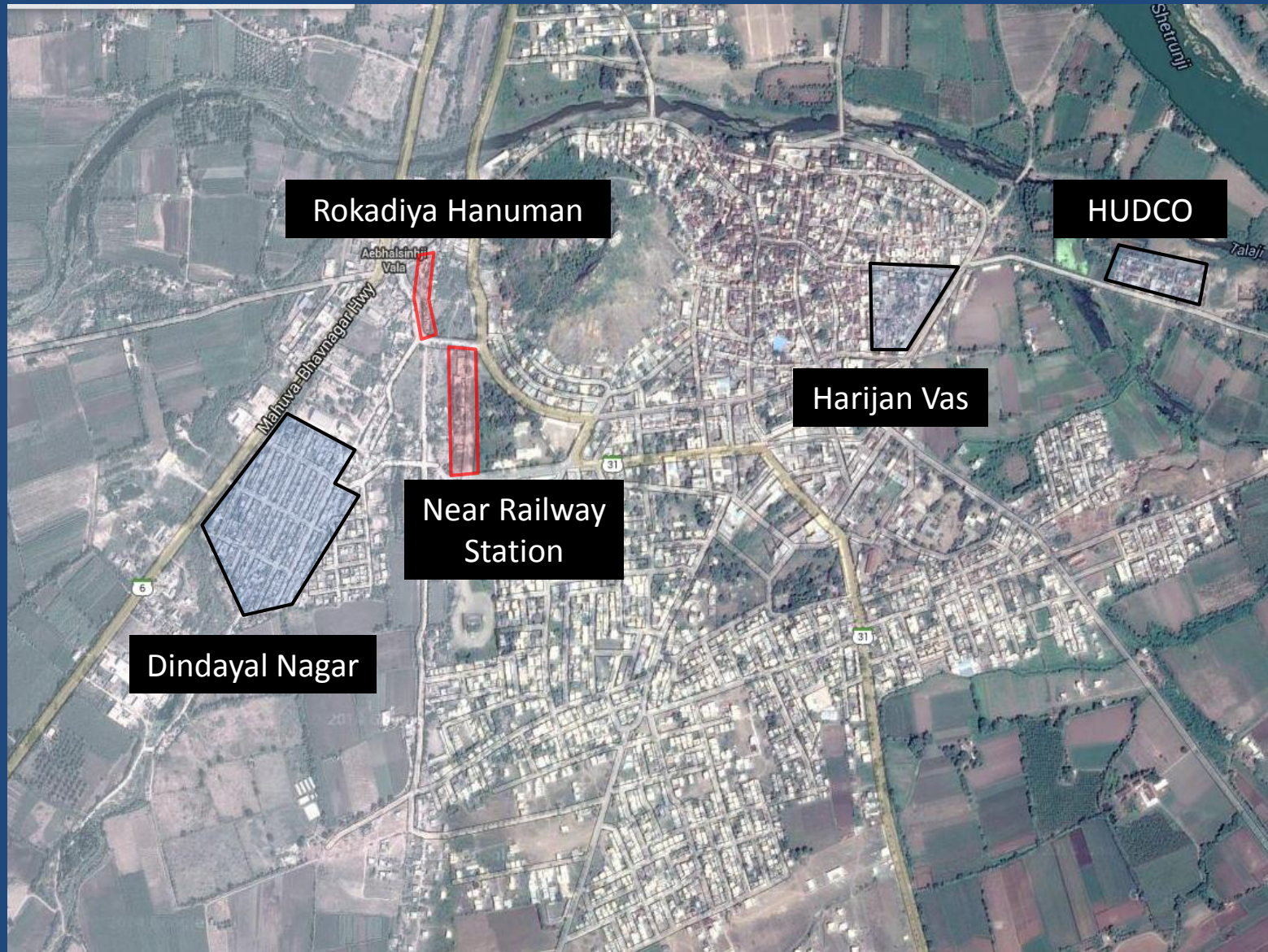
- Collection of documents pertaining to toilet coverage and sanitation from ULB
- Review of the existing sanitation services in slums and slum like areas under ULB's jurisdiction
- Early morning site visits to open defecation (OD) area
- Mobile-App based surveys and manual mapping of toilet facilities in slums
- Identification of households practicing OD
- Listing and assessment of existing public and community toilets
- Analysis of the survey
- Key findings
- Way forward

Talaja: Slums

No.	Name of Slum	No. of HHs	Population	Remarks
1	Harijan Vas	114	495	Listed
2	HUDCO	55	267	Listed
3	Dindayal Nagar	665	3271	Listed
4	Railway Station	17	67	Not listed (on Railways land)
5	Rokadiya Hanuman	39	197	Not Listed (On Railways land)

Source: Talaja Nagarpalika

Talaja: Location of Slums



■ Slum (identified by ULB)

■ Slum (unidentified by ULB)

Talaja: Harijan Vas Slum- Sanitation Profile



Legend

- Slum boundary (Surveyed area)
- Existing sewer line
- Commercial
- Households with no toilet
- Households with toilet with no system of disposal
- Households connected with a sewer line
- Paved road
- Vacant Plot

N

Scale

0 15 30 60

All dimensions in metres.

UMC
URBAN MANAGEMENT CENTRE

pas performance assessment system

Harijan vas slum, Talaja

Talaja: Harijan Vas Slum



Toilets connected with sewer line

Talaja: HUDCO Slum- Sanitation Profile



- **63 HHs**
- **68% HHs have individual toilets**
- **53% toilets are connected with sewer line**
- **47% are insanitary latrines**
- **44% (28) HHs defecate in the open**
- **Only 2 HHs use community toilet**

Legend

- Slum boundary (Surveyed area)
- Existing sewer line
- Stand post (Municipal water supply)
- Households with no toilet
- Households with toilet without a disposal system
- Households with toilet with single pit
- Households connected with a sewer line
- Paved road
- Vacant Plot

Scale
0 5 10 20
All dimensions in metres. N

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Hudco slum, Near Tata STP, Talaja

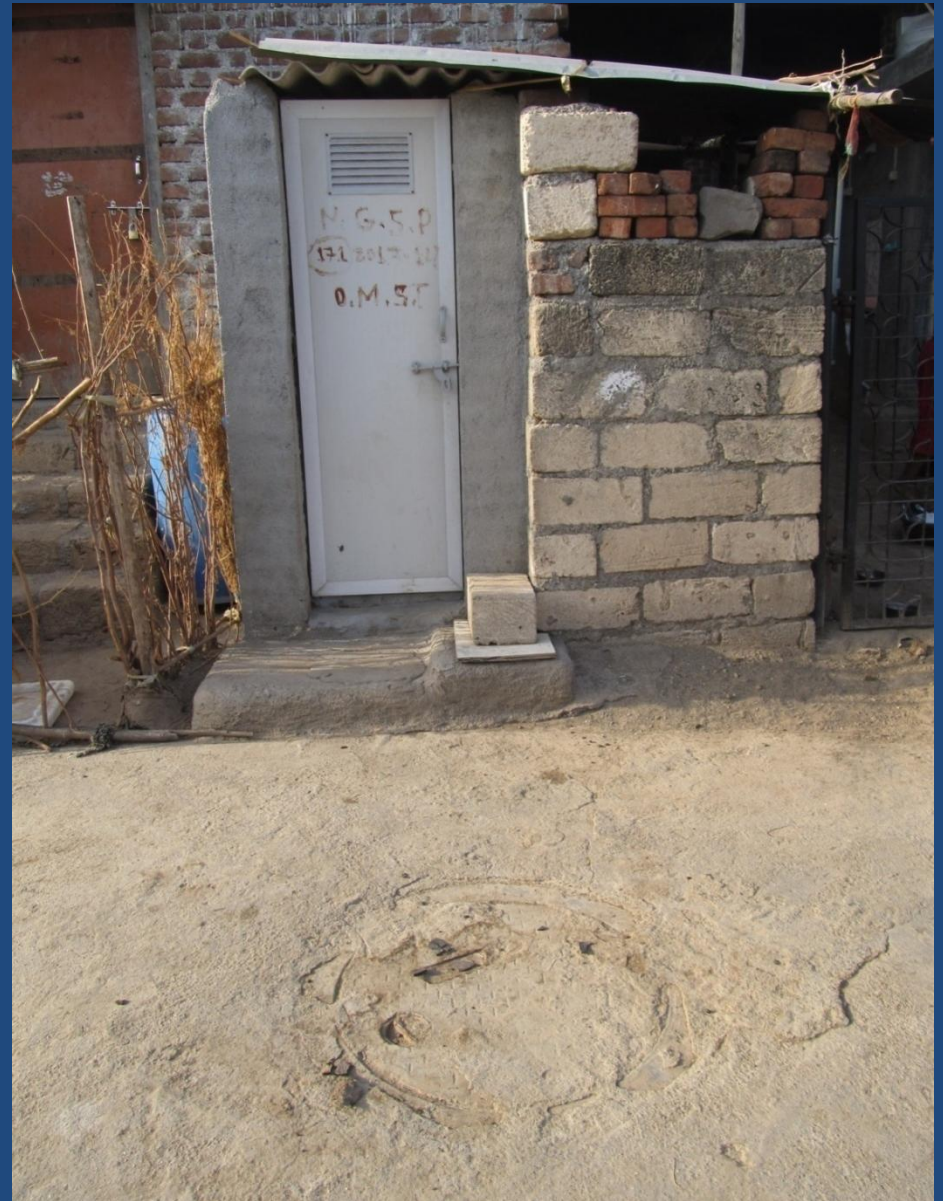
Talaja: HUDCO Slum



Talaja: HUDCO Slum



Inside condition of Toilet



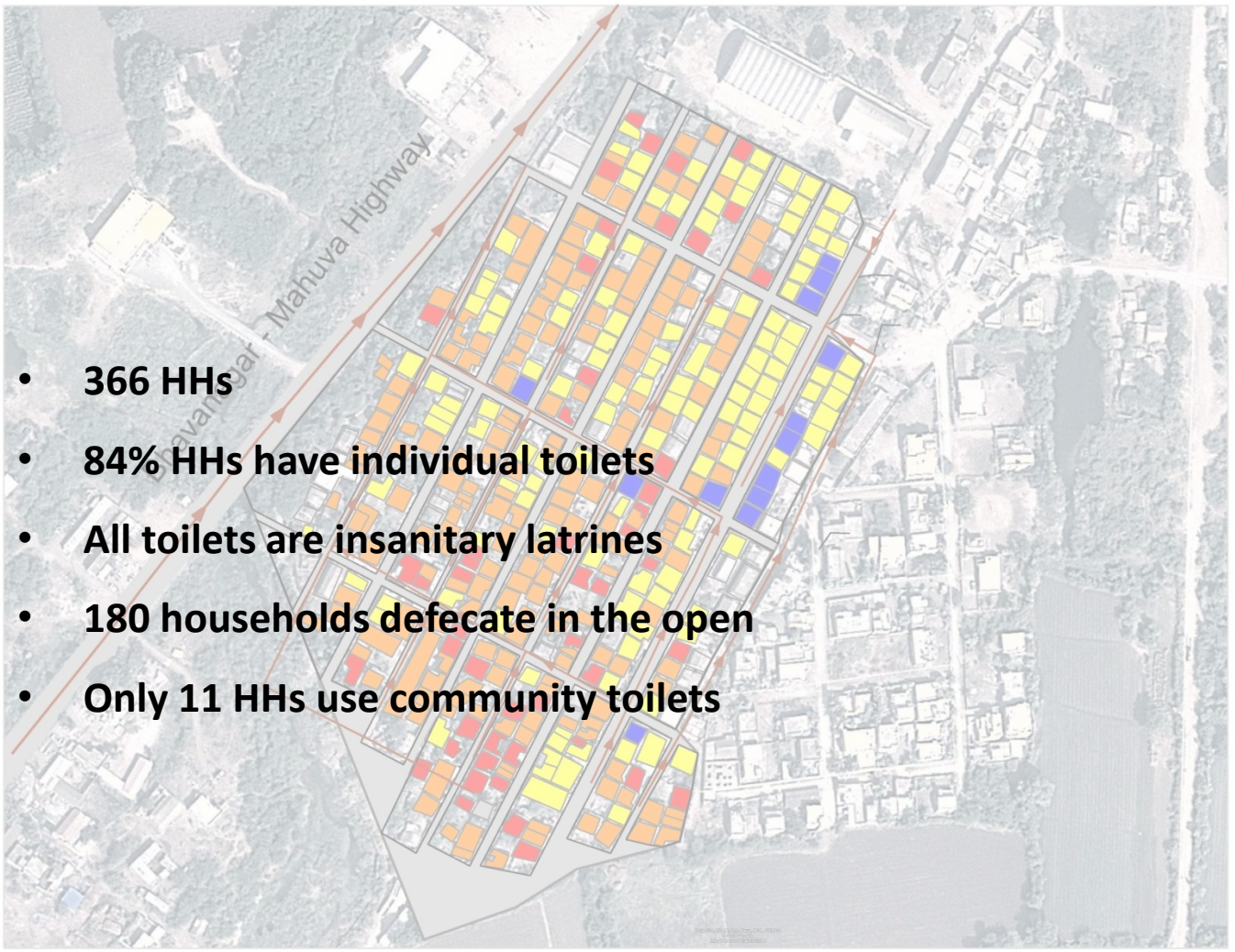
Toilet connected with sewer line

Talaja: HUDCO Slum



Toilets used as storage

Talaja: Dindayal Nagar Slum- Sanitation Profile



- **366 HHs**
- **84% HHs have individual toilets**
- **All toilets are insanitary latrines**
- **180 households defecate in the open**
- **Only 11 HHs use community toilets**

Legend

- Existing sewer line
- Commercial
- Stand post (Municipal water supply)
- Households with no toilet
- Households with toilet without a disposal system
- Households with toilet with single pit
- Households connected with a sewer line
- Paved road
- Vacant Plot

Scale

0 50 100

All dimensions in metres. N

UMC
URBAN MANAGEMENT CENTRE

p a s performance assessment system

Talaja: Dindayal Nagar



Paved road inside Slum



**Sewer line installed in slum
but not operational**

Talaja: Dindayal Nagar



Toilet not connected with disposal system



Toilet used as bathroom



Door bent in just 2 months

Talaja: Condition Of Newly Constructed Individual Toilet



No connection with any disposal system

Talaja: Slum settlement not recognized by ULB

Near Rokadiya hanuman mandir and railway station

- Around 60 households
- No individual toilets and no community toilets
- Municipal water supply through standpost



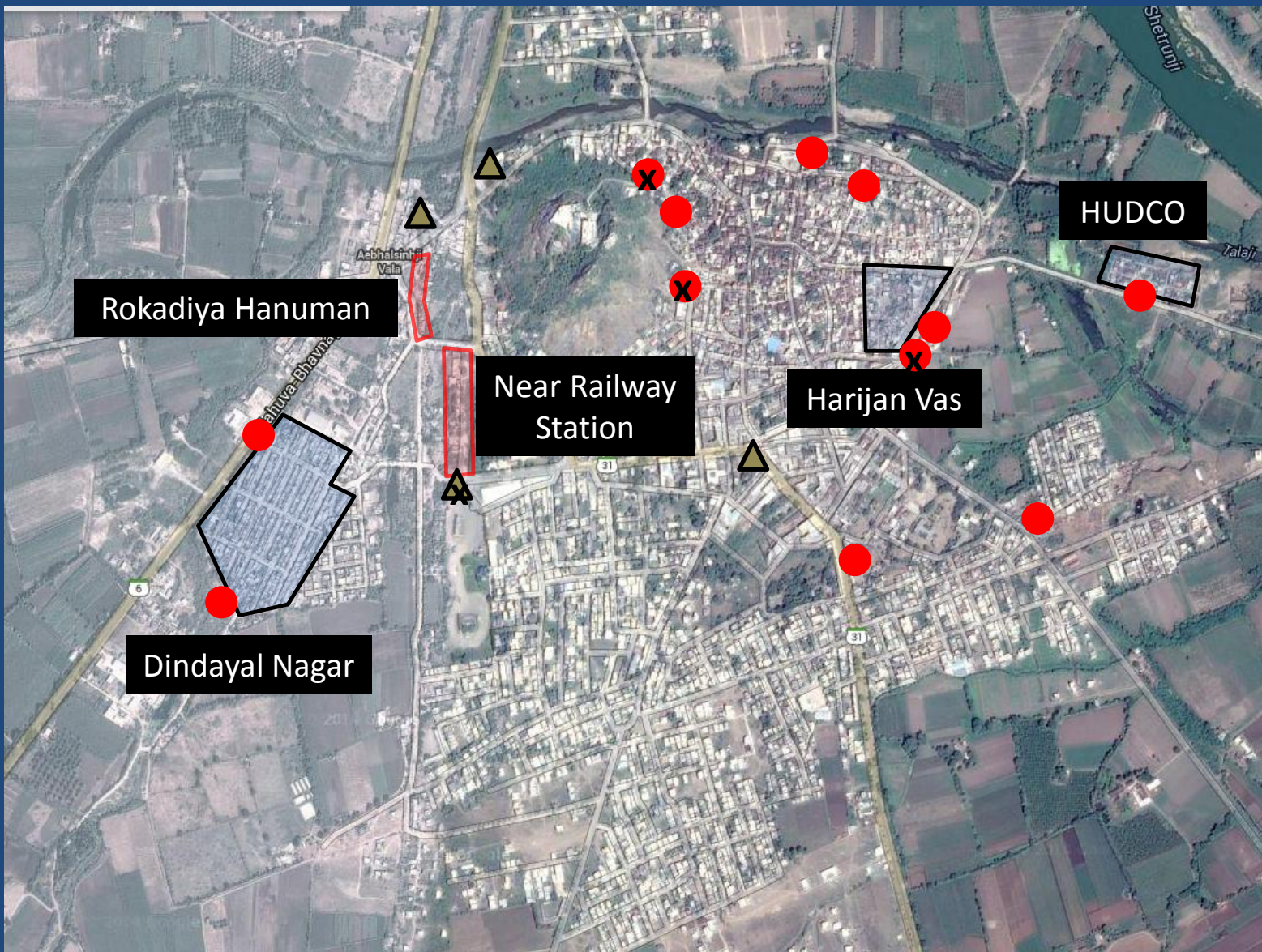
Talaja: Slum settlement not recognized by ULB



ULB reported these two slums are located on land of Indian Railways so they do not provide any services to both slums.



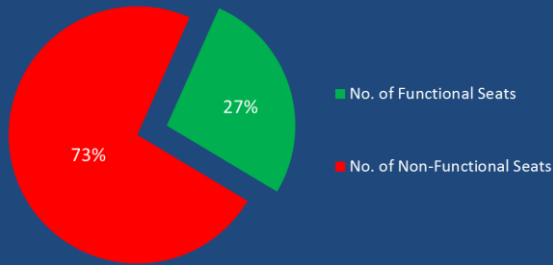
Talaja: Location of Public and Community Toilets



- Slum (identified by ULB)
- Slum (unidentified by ULB)
- Community Toilet
- ▲ Public Toilet
- ✕ Not functional and closed

Talaja: Community Toilets

Community Toilets



- No. of Community Toilet blocks: 12
- No. of defunct community blocks: 3



Community toilet near ULB office, not maintained at all.



Community toilet which community wants to be demolished as it is non functional and not in use



Talaja: Community Toilets



Community toilet opp. *Harijan Vas*
Operating on pay & use mode



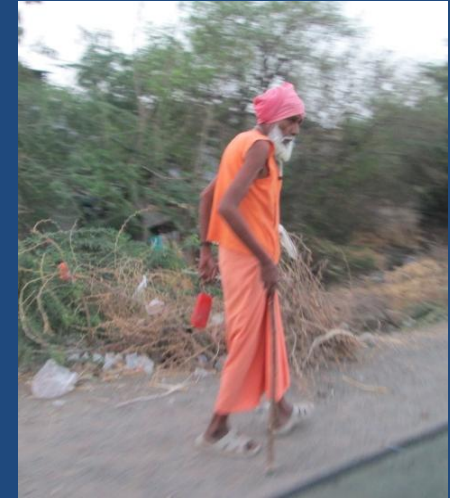
Talaja: Public Conveniences



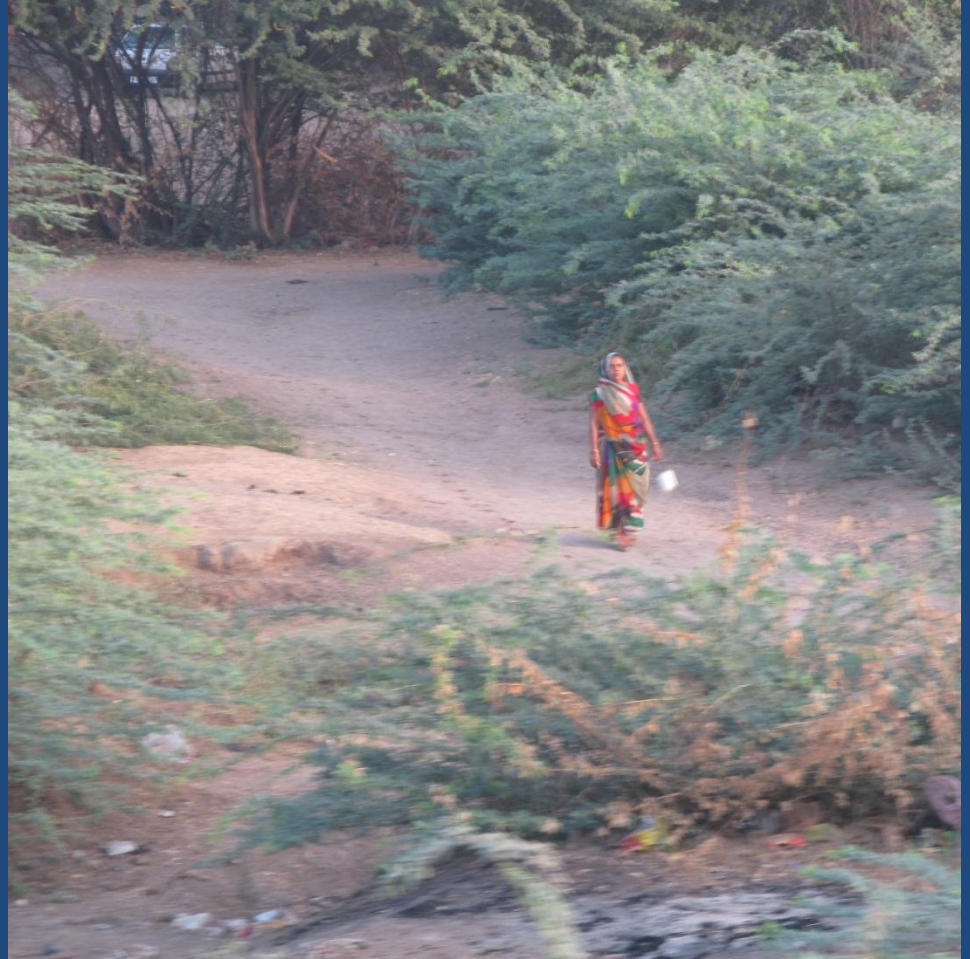
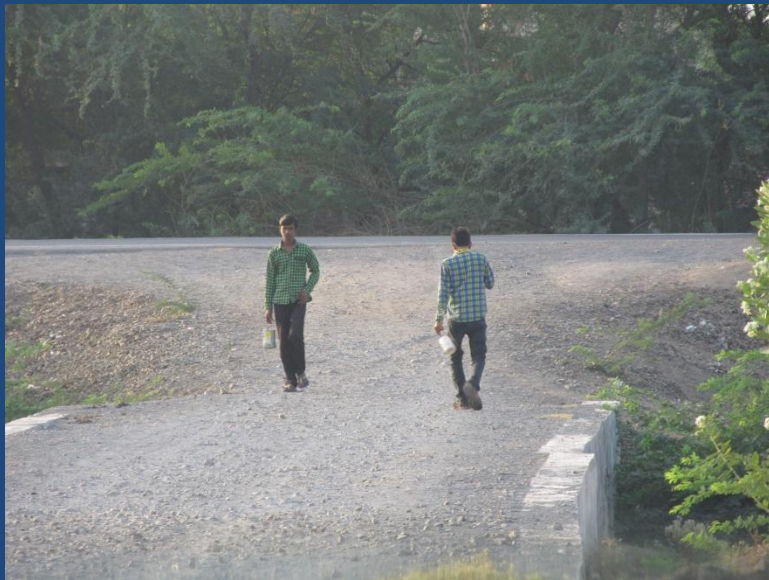
2 Public toilets near the ST Bus Stand, one of them was locked (top left)

Talaja: Status of Open Defecation

UMC team visited the 3 slums early in the morning



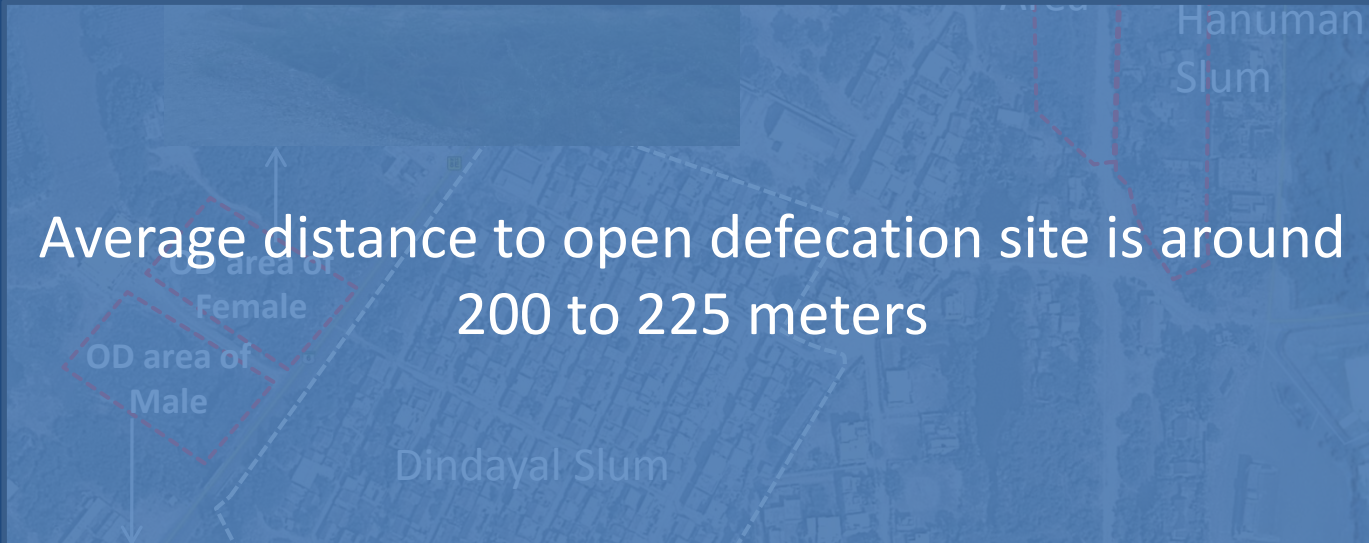
Talaja: Open Defecation



Talaja: Location of OD site



Average distance to open defecation site is around 200 to 225 meters



Condition of Existing Waste Water Treatment Plant

Talaja

- ULB has an old waste water treatment plant (since 1965), of which, presently only the pumping stations are functional. The treatment machinery is defunct. This plant receives waste water from about **xxxxxx**



Talaja: Way Forward

Contrary to data provided by the ULB, there is a substantial gap in coverage of components leading to “OD Free city”

1. Providing Individual toilets with a safe disposal system
2. Converting insanitary latrines into sanitary latrines
3. Providing community shared toilets for slum encroached on Indian Railways land
4. IEC and BCC

Talaja: Estimate of Expenditure for Harijan Vas Slum

- 1. Cost of constructing 21 new individual toilets with safe disposal system**

$$21 \times 12,000^* = \text{INR } 2.52 \text{ lakhs}$$

- 2. Cost of converting 7 insanitary latrines into sanitary latrines**

$$7 \times 4000^{**} = \text{INR } 28,000/-$$

Total Cost INR 2.8 lakhs

*INR 12,000 is to be given by MGSM for constructing 1 toilet with safe disposal system

**INR 4,000 is to be given by MGSM for converting 1 insanitary toilet into sanitary toilet

Talaja: Estimate of Expenditure for HUDCO Slum

- 1. Cost of constructing 20 new individual toilets with safe disposal system**

$$20 \times 12,000^* = \text{INR } 2.40 \text{ lakhs}$$

- 2. Cost of converting insanitary latrines into sanitary latrines**

$$20 \times 4000^{**} = \text{INR } 80,000/-$$

Total Cost INR 3.2 lakhs

*INR 12,000 is to be given by MGSM for constructing 1 toilet with safe disposal system

**INR 4,000 is to be given by MGSM for converting 1 insanitary toilet into sanitary toilet

Talaja: Estimate of Expenditure for Dindayal Nagar Slum

1. Cost of constructing 69 new individual toilets with safe disposal system

69 X 12,000 = **INR 8.28 lakhs**

2. Cost of converting 309 insanitary latrines into sanitary latrines

Option 1: Twin pits

309 X 4,000 = **INR 12.36 lakhs**

Option 2: Providing Bio-digesters for interim solution till connection to sewer line

Need of 21 bio digesters of different capacity of tank: **INR 47.84 lakhs**

Option 3: Connection with sewer line

providing 6" dia pipe

Total length 463.5 meters

Total cost including excavation, material, backfill and labour charge: **INR 1.24 lakhs**

Talaja: Estimate of Expenditure for slums located on Indian Railways Land

1. Around 60 HHs

providing 20 community shared toilet seats:

20 X 30,000 = **INR 6 lakhs**

Talaja: Way Forward

- 1. Cost of constructing new individual toilets with safe disposal system: INR 13.20 lakhs**
- 2. Cost of converting insanitary latrines into sanitary latrines: INR 13.44 lakhs**
- 3. Cost of providing community shared toilets for 60 HHs of 2 slums located on Indian Railways land**

20 toilet seats X 30,000 = **INR 6 Lakhs**
- 4. BCC and IEC cost:**

15% of the total project cost***

*INR 12,000 is be given by MGSM for constructing 1 toilet with safe disposal system

**INR 4000 is given by MGSM for converting 1 insanitary toilet into sanitary toilet

***as per SBM guidelines