

VADODARA MAHANAGAR SEVA SADAN STORM WATER DRAINAGE PROJECT

The Storm Water Drainage Project of the Vadodara Mahanagar Seva Sadan provides the necessary infrastructure to carry the Storm Water from the City to the ultimate disposal like Rivers through Pipe / Rectangular Drain Network, Rehabilitated Natural Rivulets (Kaans), Ponds, etc.

MISSION ::

Till 2001 out of the total city area 108.26 Sq.Km., 25% area present had been covered with SWD systems. In 2012, With the increase in the VMSS limits from 108.26 Sq.Km. to 158.70 Sq.Km. the coverage of SWD systems had gone down from 25% to 10% with respect to area of 158.70 Sq.Km.

To provide a better quality of life and to make Vadodara a self reliant and sustainable city with all basic amenities. Our commitment was for 100% coverage in terms of geographical developed area of 108.26 Sq.Km. of the city by providing Comprehensive Storm Water Drainage System by the end of December 2012 which has been achieved.

Presently Vadodara Mahanagar Seva Sadan has been preparing a Comprehensive Master Plan for development of Storm Water Drainage System in order to cover the present whole VMSS area of 158.70 Sq.Km. along with surrounding VUDA area situated at maximum 5.0 Km. distance from present VMSS limit. This has been targeted to serve not only the domestic and commercial but also the industrial development for the year 2041. Rain water generated from all this developments will be collected by a network of underground Storm Water Drainage and Kaans conveyed to Rivers.

FUNCTIONS

The functions of the Department include SWD Planning, designing, Estimating, tendering, executing and Operating as well as maintaining the SWD Systems (maintenance works are carried out by Zone Offices) which consists of SWD Network.

SCENARIO ::

- a) Coverage : As well recently rehabilitated existing natural major kaans.
108.26 (100% of developed area)
- b) Population catered : 1.40 m. (As per Census)

STORM WATER DRAINAGE PROJECT CENTRAL OVER VIEW OF WORK DONE AND COMPARISION OF SITUATION BETWEEN YEAR 2001 & 2012

Particular	Year 2001	Year 2012
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Area of Vadodara City	108.26 Sq.Km.	158.60 Sq.Km.
Population	13 Lacs	16.66 Lacs
Area of Storm Water Drain Network	27.00 Sq.Km.	108.26 Sq.Km.
% Area covered with Storm Water Drainage Facility	25%	100% Developed Area
Length of Pipe Drain	97.00 Km.	170.00 Km.
Length of Drains Covered with Slab	50.00 Km.	154.115 Km.
	Open :: 40.00 Km.	
	Closed :: 10.00 Km.	
Rehabilitation of Kaans	2.19 Km.	33.71 Km.

WORKS DONE DURING RECENT 6 YEARS

Sr. No.	Name of Work
1	SWD on Dabhoi Road from Pratapnagar Three Road Junction to Ruparel Kaans.
2	SWD on 18.00 m. Road from Panchsheel Appartment at 36.00 m. Inner Ring Road.
3	SWD on road from Karelibaug Akshata Society Junction to Harni O.H.Tank to Tulsiwadi Kaans.
4	SWD on 27.0 mt. road from Kisanwadi Crematorium to Kisanwadi to 40.0 mt. ring road junction.
5	SWD on road from Sama Savli Road Junction towards Sama Village.
6	SWD on road from Sama Avsar Hall to Umiyanagar .
7	SWD on 40.0 mt. ring road Near L & T Circle.
8	SWD in Ward No.3 onroad from Prithvi Society to 40.0 mt. ring road junction.
9	SWD on road from Gabbar Apartment to Tulsiwadi / Bahucharaji Kaans / Bridge.
10	SWD on road from Arunachal to Bhesasur Slums to 30.0 mt. road junction / Undera-Gotri Kaans.
11	SWD from Sama Canal to Pond Near Sama-Savali road Junction.
12	SWD from Sama Pond (Talav) to Akhandadhara to Dharti Tenaments to Canal.
13	SWD for Over-flow of Sama Pond Near Urmi School to Vishwamitri River .
14	SWD on road from Shrinath Petrol Pump Junction / Indiranagar to Tulsiwadi / Bahucharaji Kaans / Bridge.
15	Storm Water Drain (Channel) on road from Nizampura Sainik Chhatralaya to Navayard Road.

16	Storm Water Drain on road from 12.0 mt. Road Junction (Near Kartikeya nagar and Opp. Jayjalaram nagar) to Vasana Talav.
17	Storm Water Drain (Channel) on road from Gotri (Harinagar) Water Tank to Rajesh Tower.
18	Storm Water Drain (Channel) on road towards Ahemadabad – Vadodara Express High-way from Amitnagar Circle
19	Storm Water Drain on road from Deluxe Island to I.P.C.L. Circle.
20	R.C.C. Pipe Storm Water Drain on 30 mt. Road from Natashapark-2 Junction (Near Nizampura Sainik Chhatralaya) towards Fatehgunj up to Culvert near East-Africa Show Room.
21	Storm Water Drain on Manjalpur Kabir Mandir – G.I.D.C. Road for Manjalpur Village and Alwa Naka Area.
22	Storm Water Drain (Channel) from Tulsidham Four Road Junction to 40 mt. Outer Ring Road (G.I.D.C. Road) to Mashia Kaans.
23	Storm Water Drain on 36.0 mt. Road from Manjalpur Kabir Complex towards B.G. Railway Track.
24	Storm Water Drain on 40.0 mt. Outer Ring Road from Nityanand Apartment to Tarsali Talav.
25	Storm Water Drain on 40.0 mt. Outer Ring Road from Sardar Estate Four Road Junction to Vrindavan Junction to Dabhoi Road, Soma Talav to Railway Track.
26	Storm Water Drain on Road from Vrindavan Four Road Junction to Uma Circle.
27	Storm Water Drain on Dabhoi Road from Ruparel Kaans to By-pass High-way.
28	Storm Water Drain on 40.0 mt. Outer Ring Road from Sardar Estate Four Road Junction to Rajivnagar Culvert.
29	Storm Water Drain on 40.0 mt. Outer Ring Road from Bharwad Vas to Rajivnagar Culvert.
30	Storm Water Drain (Channel) on road from Makarand Desai Road to Vasana Four Road Junction to Tandalja to Tandalja Talav.
31	Storm Water Drain (Channel) on road from Akota G.E.B. Sub Station to Old Padra Road Junction to Nisarga to Makarand Desai Road to Jalaramnagar to Sudama-Savaiyanagar Kaans.
32	Storm Water Drain on road from Ellorapark Kalpataru Store to I.T.I. Junction of Gorwa Road in Subhanpura / Ellorapark Aera..

Sr. No.	Name of Work
33	Storm Water Drain on Subhanpura – High Tension Road from Amin Party Plot to Gotri Road Junction.
34	Storm Water Drain (Channel) from B.G.Railway Culvert Near Vishwamitri Railway Station in Ward No.4 area towards Ward No.6 area..
35	Storm Water Drain on road from Lalbaug Railway Crossing to Munjmahuda to Kalali Railway Crossing. (1) Near Vishwamitri River Bridge (2) Part of Kalali Kaans from 30.0 mt. road junction to Rly. Culvert.
36	Storm Water Drain (Channel) on road from Tarsali I.T.I. to Tejalpark Culvert on Tarsali Village Road.

37	Storm Water Drain (Channel) on Tarsali Road from Baroda Dairy to I.T.I.
38	Akota Kaans Net work
39	Rehabilitation of Kutarawadi Kaans.
40	Odnagar Kaans Net work
41	Parshuramnagar Kaans Net work.
42	West Bank of Vishwamitri River Network.
43	Tandalja Pond Network.
44	Bhukhi Kaans Network.
45	Mashia Kaans / Network.
46	Ruparel Kaans Network.
47	T.B.Hospital-Vasana Kaans/Network.
48	Undera-Gotri Kaans Network
49	Vasana-Banco Kaans / Network.
50	Rehabilitation of Ruparel Kaans.
51	Storm Water Drainage Network for Novino-Jambuva River Kaans.
52	Rehabilitation of Tarsali Talav - Ruparel Kaans.
53	Rehabilitation of Gotri Talav to Bhayli Kaans.
54	Rehabilitation of Makarkpura A.P.S. to Jambuva Kaans.
55	Rehabilitation of Kaans from Maneja Village to Makarpura A.P.S. Kaans.
56	Rehabilitation of Novino Battery to Jambuva Kaans.
57	Rehabilitation of Kalali Kaans.
58	Rehabilitation of Air-force Kaans.
59	Rehabilitation of Makarpura A.P.S. to Mashia Kaans.
60	Rehabilitation of Bhukhi Kaans.
61	Casting of R.C.C. Slab on open Storm Water Drain (Except Rehabilitated Natural Kaans) on major roads in North-West and other area.
62	Casting of R.C.C. Slab on open Storm Water Drain (Except Rehabilitated Natural Kaans) on major roads in South-East and other area.
63	Rehabilitation of Undera - Gortri Kaans.
64	SWD on 18.0 mt. road from Danteshwar Pond to Ruparel Kaans.
<p>Note Above mentioned all Storm Water Drainage Works carried out :: at about total expenditure of Rs.350 Crore (Including expenditure of Consulting Fees, TPI Fees, allied works, etc.) mainly Under JnNURM Project.</p>	

At present the overall area of Vadodara Mahanagar Seva Sadan is divided into following 4 (Four) Zone.

- East zone
- West Zone
- North Zone

- South Zone

The Important Constituents of the Storm Water Drainage System (Including carried out works) are :

- R.C.C. Pipe SWD
- Rectangular Closed SWD Network
- Rehabilitated Natural major Rivulets (Kaans)
- Vishwamitri River -
- Jambuva River-
- Water Bodies :: Ponds etc.

FUTURE WORKS

Sr. No.	Name of Works	Estimated Cost (Rs. in lacs)	Scheme	Present Status
1	SWD in the D/S of M.M.Vohra Culvert to Rly. Culvert towards Ghaghretia Culvert	548.36	Swarnim Gujarat	Under Tender Approval.
2	Construction of SWD in D/S & U/S of Rly. Culvert for linking of existing SWD Near Soma Talav Bridge on 40.0 mt. Ring Road.	61.19	JnNURM Savings	About to start
3	Construction of SWD on 12.0 mt. road along Bypass National High-way from Darjipura Culvert to Vishwamitri River for diversion of rain water entering in to city from National High-way.	4186.00	JnNURM (New Work)	DPR has been presented to Central Government. After approval procedure related to Tendering etc. will be started and work will be commenced after completion of process of tender approval.
4	Construction of SWD on 36.0/27.0 mt. road from Mahavir Hall Char Rasta to Kutarawadi Kaans.	443.00	Professional Tax Grant	Grant is yet to approve.
5	Construction of SWD Network and Rehabilitation of Rivulets (Kaans) according to prioritization as per	-	-	Depends upon allocation / approval of fund.

	recommendation of consultant of Master Plan - 2041.			
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**Market Makarpura, G.I.D.C. Colony,
Alvanaka Road**



**Makarpura Main Road, Near Sardar
Hospital**



Ambedkar nagar, Prayag Complex, Chhani



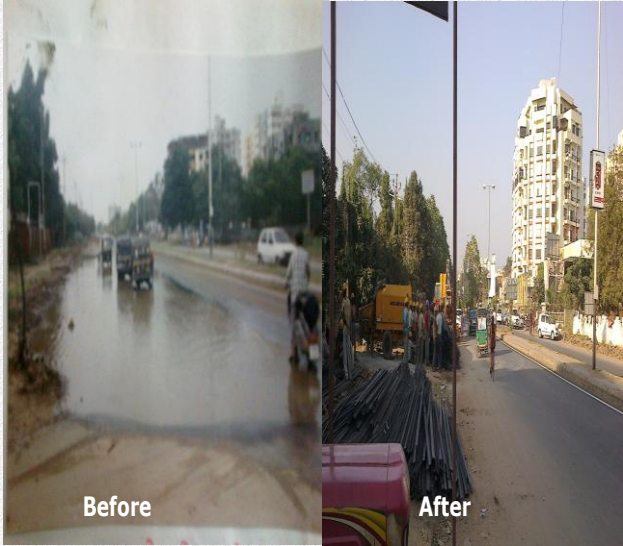
Shrenikpark, Akota



Rang Avdhutpura, Jivrajpark, Akota



Aims Oxygen, Old Padra Road



Matri Mandir Makarand Desai Road



Completed Work Photos



MASHIA KAANS



AIR-FORCE KAANS



TARSALI- RUPAREL KAANS

Completed Work Photos



TARSALI ROAD SWD



MASHIA KAANS



TARSALI ROAD SWD



VASNA-BANCO KAANS

વરસાદી ગટર પ્રોજેક્ટ શાખા,
મહાનગર સેવા સદન,
વડોદરા.
તા.૦૮.૧૧.૨૦૧૩.

પ્રતિ,
પી.એ. ટુ સીટી એન્જીનીયર શ્રી,
સીટી એન્જીનીયરશ્રીની કચેરી,
મહાનગર સેવા સદન,
વડોદરા.

વિષય :: વરસાદી ગટર પ્રોજેક્ટને લગત માહિતી આપવા બાબત.

અનુ. :: સી.ઇ./આઉટવર્ડ નં.૫૪૦/તા.૨૦.૦૯.૨૦૧૩.

ઉપરોક્ત વિષય તથા અનુસંધાન પરત્વે જણાવવાનું કે, વડોદરા મહાનગર સેવા સદનની વેબસાઇટ પર મુકવા અર્થે અનુસંધાનમાં દર્શાવેલ પત્રમાં જણાવ્યાનુસાર માંગવામાં આવેલ વરસાદી ગટર પ્રોજેક્ટ શાખા હસ્તકના પૂર્ણ થયેલ, હાલમાં કાર્યરત તથા ભવિષ્યમાં થનાર તમામ પ્રોજેક્ટ / યોજનાઓની માહિતી તથા તેને સંલગ્ન ફોટોગ્રાફ્સની સોફ્ટ કોપી E-mail થી મોકલેલ છે તથા હાર્ડ કોપી આ સાથે સામેલ રાખેલ છે, જે જાણમાં લેવા વિનંતી છે.

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વડોદરા.

નકલ રવાના ::-

- ૧) સીટી એન્જીનીયર શ્રી, ...તરફ જાણ સારું.
- ૨) ડાયરેક્ટર શ્રી, (આઇ.ટી.), ઇ.ડી.પી. શાખા. ... તરફ જાણ સારું.