



सोलापूर महानगरपालिका , सोलापूर

नैसर्गिक आपत्कालीन परिस्थिती हाताळणे करिता
महापालिकेकडून नियोजन केले जाते

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SOLAPUR MUNICIPAL CORPORATION



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Disaster Management Plan

Introduction to the City

1. Regional Setting

Solapur is an important node and plays a critical role in the district as headquarter for district administration. Solapur houses all the administrative offices of the district level administration and has a strong industrial presence. Solapur historically is regarded as an industrial city prominently having the textile units. One of the key events triggering the industrial growth was starting up the railway in Solapur in 1860.

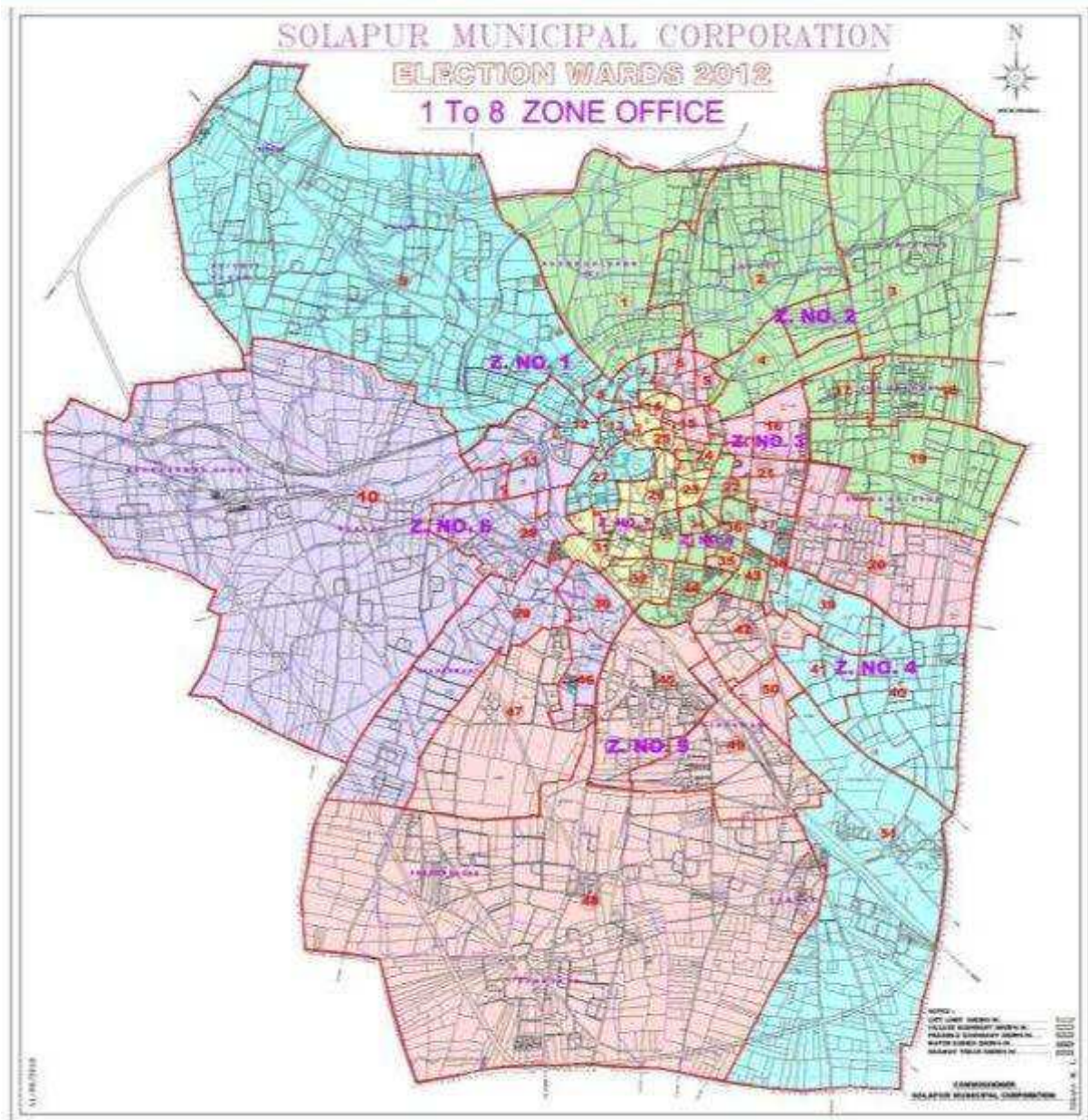
2. Administrative Boundary

Solapur lies in the basin of river Bhima and the municipal jurisdiction of the city encompasses an area of 178.57 km². It accommodated a population of 8.72 lakh as per census 2001 which grew to 9.51 Lakh as per Census 2011. Solapur expected tremendous development in late nineties which resulted in the city limits expansion from 33.03 km² to 178.57 km² in the year 1992 but the population growth was not contingent to the increase in the area of the city. The city is currently sub-divided into eight administrative zones and these eight zones are further sub-divided in to 51 wards. The details of zones and corresponding wards are presented in the table below;

Table 3: Details of zones and wards in Solapur

Sr No	Zone No	Number of Wards	Corresponding Wards numbers
1	Zone – 1	6	7,8,9,12,13, 27
2	Zone – 2	7	1,2,3,4,17,18, 19
3	Zone – 3	6	5,6,15,16,20, 21
4	Zone – 4	6	37,38,39,41,40,51
5	Zone – 5	6	42,50,45,47,48, 49
6	Zone – 6	6	10,11,28,29,30,46
7	Zone – 7	6	14,25,23,26,31, 32
8	Zone – 8	8	22,24,33,34,35,36, 43,44
	TOTAL	51	

Figure 8: Solapur Municipal corporation area



3. Location and Connectivity

Solapur is well connected by neighboring major cities in Maharashtra as well as Andhra Pradesh and Karnataka. The city is connected with Pune through national highway number 9 (NH-9) which also passes through Hyderabad.

The city lies centrally in the basin of river Bhima and the watershed of river Adila (a tributary of river Sina). The city is rested on hard rock and acts as a gateway to Bhima and Krishna Basin. Solapur district is surrounded by Ahmednagar district in North, Osmanabad and Andhra Pradesh in the east, Sangli and Karnataka to the south and Satara and Pune district to the west. It is located at $17^{\circ}.10'$ and $18^{\circ}.32'$ north-latitude and $74^{\circ}.42'$ and $76^{\circ}.15'$ east longitude. It has an average elevation of 457 meters above mean sea level.

Solapur is well connected by roadways and railways to all major cities in Maharashtra and neighboring states. The city is connected with Karnataka by four National Highways –9 via Pune and Vijayvada. NH-13 to Mangalore; NH 211 to Dhule and NH 204 to Ratnagiri and Nagpur. It is also connected with important cities in Maharashtra such as Nagpur, Sangli, Kolhapur, Nanded etc. Busses from Maharashtra and Andhra Pradesh state transport corporation operate from the Solapur bus stand.

Figure 9: Location - Solapur



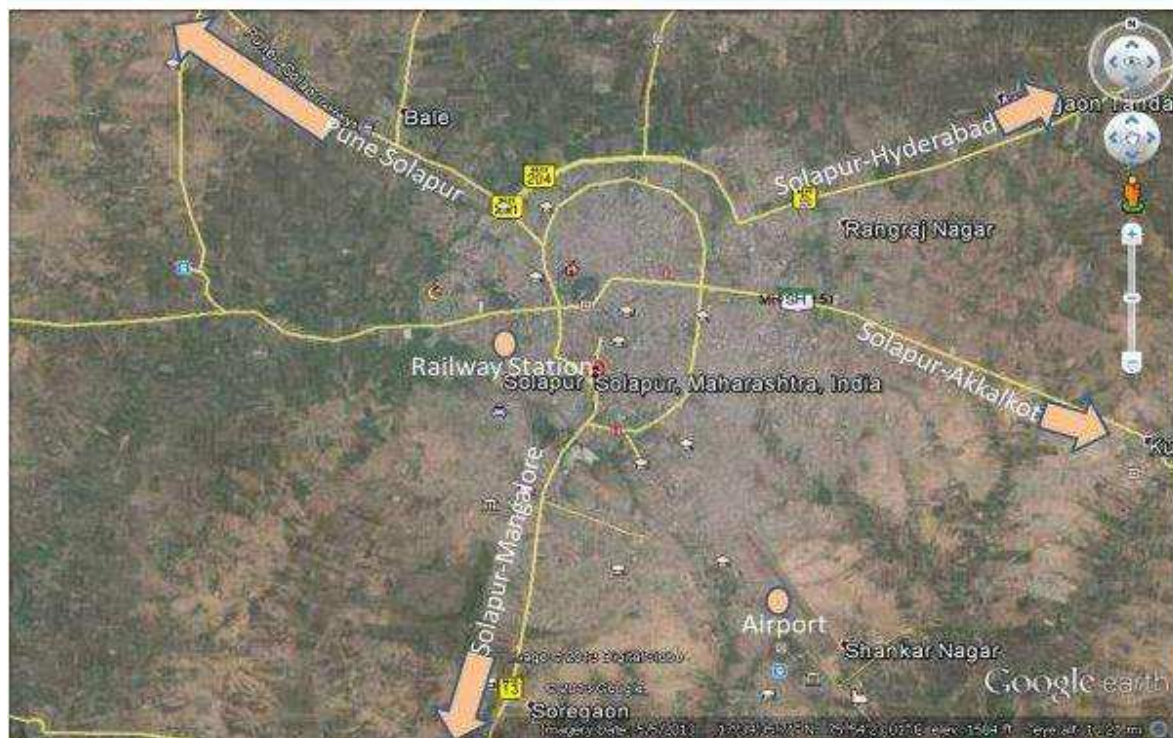
Maharashtra

Solapur – District

Solapur City

Image courtesy – Maps of India

Figure 10: Connectivity of Solapur to major urban centers



4. Defining the Study Area

The jurisdiction of the Solapur Municipal Corporation was last revised in 1992. Current area of the city is 178.57 km² and administratively the city has 51 electoral wards and eight administrative zones. The SMART CITY is being revised and updated for the same jurisdiction. The current population of the city, as per census 2011, is 9.51 lakhs.

5. Physical Setting

5.1 History and Regional Importance

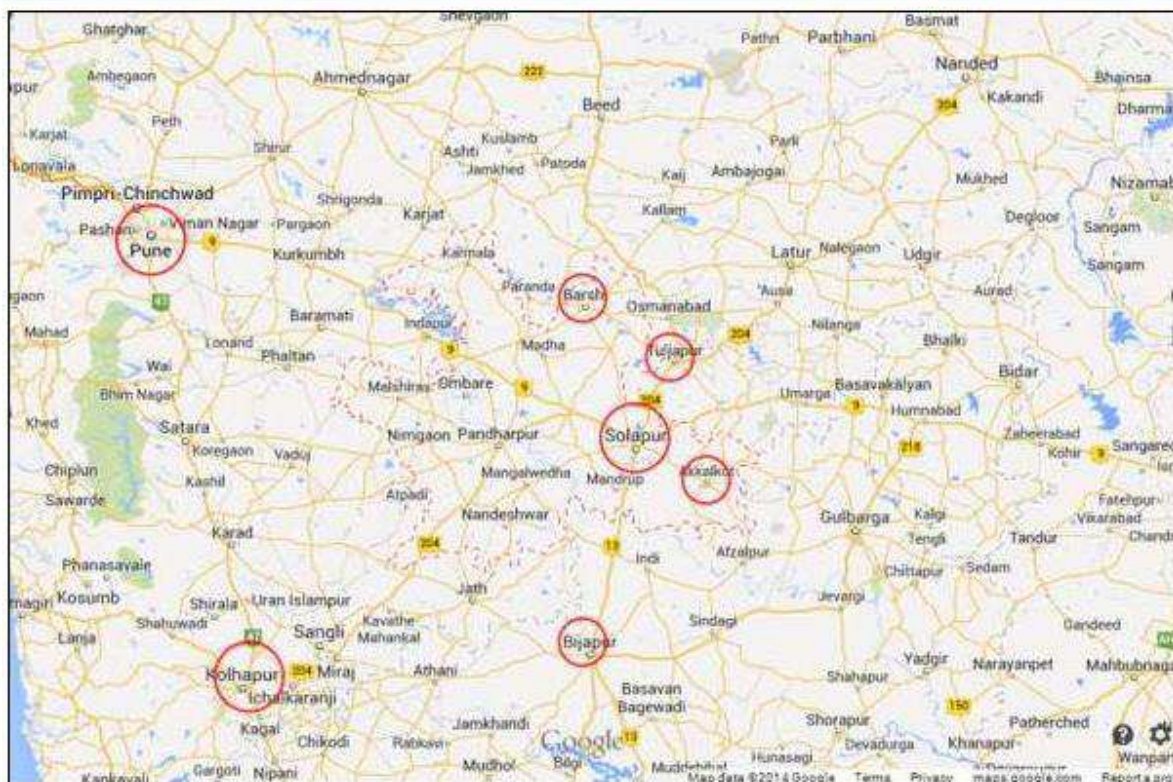
The word Solapur is said to have been derived from word “Sola” meaning sixteen and “Pur” meaning villages. The city is formed with a conglomeration of sixteen villages. The second theory is that Solapur is not derived from sixteen villages but has a different history. The theory is that the town was called Sonnalage in the inscriptions of Shivayogi Shri Shankaracharya. This eventually came to be pronounced as Sonnalagi. Eventually with time with changes in the ruling dynasties the name changed and it came to be called as Sandalpur during Mughal rule and eventually Solapur which was pronounced by British as Sholapur. In the nineteenth century, the

city was a part of Ahmednagar district. In 1930, the city enjoyed freedom for three days when the British rule was overthrown in Solapur by the locals. After independence in 1956, the city was a part of State of Bombay. In 1960, it became an independent district in the state of Maharashtra.

Solapur is the major regional center in the district from the perspective of the trade, commerce and availability of the health and education infrastructure. Apart from being the major center for trade,

Solapur is a head quarter for the district administration housing all district level offices. The city also houses weekly markets as well as it is the center for the district level Agriculture Produce market for trading activities.

Figure 11: Regional setting - Solapur



Topography and Geology

1. Topography

The district gazetteer of Solapur, 1984 has reported the topography of the city of Solapur. As per the gazetteer the city lies about 457 m above sea level on the water shed of the River Adila, a feeder of the River Sina which it joins at Nandur about eight miles to the south-west of the city. The city stands in the center of a large plain, the nearest hill called Daval Malik being eight miles to the east, while on the north at a distance of twelve miles rises Savar-gaon Dongar and about ten miles further north-west is the Ekruk tank, or as it is generally called the Hipparga lake, and to the north, about half a mile on the Tuljapur road, is the old Sholapur water-works engine house and about 500 yards further north runs the Selgi stream from east to west.

The rock on which the city is built is a hard '*murum*' almost approaching trap. Except to the north and the east where there is some rich cotton soil, the rock in places near the surface is barely covered by soil. In the rains the surroundings of the city are green and pleasant whereas at other times the city gives bare and uninteresting appearance.

a. Geology

Black cotton soil is found abundantly in the region. The depth of soil in different areas in the city varies from 7.5 cm to more than 90 cm. It is estimated that around 10% of the area has the shallow soil with the depth of 7.5 cm. No minerals of economic importance are found in the city. But, the city is rich with minerals which can act as building materials. The flood plain of Bhima river is rich with minerals which support growth of cash crops such as sugar cane and cotton. This has acted as an initial boost for economy of Solapur.

Materials available at the Time of Emergency in Solapur Corporation:

Sr. No.	Machinery Vehicles & Material	Total Available
1	JCB	7
2	Dumper	8
3	Tempo 407	2
4	Tata Sumo	2
5	Hydraulic Jack	3
6	Versatile Tata make iron crowbar of 25mm thickness and 1.6m long	24
7	Solid iron hammer 8 pound	24
8	Solid iron hammer 6 pound	24
9	Garware Nylon rope of 18mm thickness	4

10	Thick cotton rope 100 ft long	
11	Tarpaulin 12ft 18ft	20
12	Orpat Torch chargeable	6
13	Fireman Helmet (ISI marked)	20
14	Mask for dust and smoke	40
15	Full Face Mask for Chlorine/Ammonia gas	5
16	Reflective Jackets	10
17	Gumboot (Full) ACTION	20
18	Tall wooden ladder 17ft	2
19	Portable inflatable Emergency Lighting System	1
20	Steel Cutter	1
21	Wood Cutter big 1 and small 1	2
22	Raincoat	10
23	Aluminum Ladder	1

**Accident happened Earlier and Action Taken by the City Engineer
Emergency Team (Quick Response Team) in brief:**

Year 2012-13

1. Date : 12 Apr 2012

Reason : Heavy Rainfall and Storm

Accidents : Broken Digital advertising Banners fell on road .

Action Taken By Q.R.T: Using JCB and 15-20 Workers road were cleaned.

2. Date: 9 Aug 2012

Reason : Heavy Rainfall

Accidents : Sewer chock up near Nagar Petrol Pump on Akkalkot Road

Action Taken By Q.R.T: Using JCB Sewer got released and with the help of workers groove taken for water draining.

3. Date: 11 Sept 2012

Reason : Heavy Rainfall and storm

Accidents : On Jail road Police Station bound in front of Ganji Pan Shop 3-4 trees fell down.

Action Taken By Q.R.T: Using JCB and with the help of 8-10 workers trees removed and submitted to the city engineer premix.

4. Date: 22 Sept 2012

Reason : Heavy Rainfall

Accidents : Water got accumulated in front of Achiever's hall and police training center.

Action Taken By Q.R.T: after taking permission from Police training center Q. R. T team broken the compound wall with the help of workers and groove taken to storm drainage line.

Year 2013-14

1. Date: 18 Jul 2013

Reason : Heavy rainfall.

Accidents : Because of heavy rainfall Storm Drainage Line Chocked up and water got accumulated at S.T. stand area, Panjarapol chowk, beside Shivaji statue

Action Taken By Q.R.T: Drainage chock up got released with the help of workers.

2. Date: 27 Jul 2013

Reason : Heavy rainfall.

Accidents : Because of heavy rainfall water got accumulated at Bramhdev Nagar, Tilak Nagar

Action Taken By Q.R.T: With help of workers groove taken for water draining and its connected to the sewer.

3. Date: 9 Sept 2013

Reason : Heavy rainfall.

Accidents : Because of heavy rainfall water got accumulated at Hyderabad road, Vidi gharakul and old akkalkot naka so water gone into the citizens homes.

Action Taken By Q.R.T: With the help of 15 -20 Workers and JCB groove taken for water draining.

4. Date: 18 Sept 2013

Reason : Heavy rainfall.

Accidents : Because of heavy rainfall water came into the home beside sewer at Moulali Chowk

Action Taken By Q.R.T: With the help of Workers groove taken for water draining.

Year 2014-15

1. Date: 01 Jul 2014

Reason : Heavy rainfall.

Accidents : Because of heavy rainfall water got accumulated at Kumar Chowk

Action Taken By Q.R.T: With the help of workers groove taken for water draining.

2. Date: July 2014

Action Taken By Q.R.T: Old dangerous buildings cause to fall which were one at Mangalwar Peth Police Station Meeth Galli and another one beside Asha Theater Mechanic Chowk.

3. Date: 27 Aug 2014

Reason : Heavy rainfall.

Accidents : Traffic jam because of water got accumulated at Mahavir Chowk , Hotagi road.

Action Taken By Q.R.T: With the help of 8-10 workers groove taken for water draining.

4. Date: 28 May 2014

Reason : Heavy rainfall and storm.

Accidents : Because of storm and heavy rainfall Parashuram Kamble's

Patra shed fly away and gone on the neighbors home.

fly away of Action Taken By Q.R.T: Private gas cutter taken to cut the angles and removed that patra shed with the help of 10-15 workers and also fallen trees were submitted to the city engineer premix.

Information about important Hospitals in the city:

Sr. No.	Name of the Hospital	Phone No.	
		Office	Mobile
1	Ashwini Sahakari Hospital	2319901/2/3/4	
2	Yashodhara Super Specialty Hospital	2323001/2323002	
3	Unique Hospital	2323211	9850831619
4	Railway Hospital	2327474	
5	Solapur Sahakari Hospital	2624718	
6	Chh. S. M. Sahakari Hospital	2749432/2749488	
7	Vima Kamagar Hospital	2600560	
8	Sidhleshwar Cancer Hospital	2600088	
9	Kumathekar Hospital	2300311	
10	Vijay Hospital	2318250	
11	Basaveshwar Hospital	2331405	
12	S. P. Institute (Dr. Valasangakar)	2727063	
13	Mule Hospital		

Information about Ambulances in Solapur:

Sr. No.	Hospital Name	Phone No.				
		Total Ambulances	STD Code	Office	Home	Mobile
1	General Hospital,Solapur	3	0217	2319161		
2	E. S. I. Hospital Hotagi Road. Solapur	1	0217	3600560		
3	Kotanis Hospital, Railway Line	1	0217	2627052		
4	Lady Duffrin Hospital Duffrin Chowk, Solapur	1	0217	2740384		
5	Sahakari Hospital	2	0217	2627312		

Blood Banks in Solapur:

Sr. No.	Hospital Name	Phone No.			
		STD Code	Office	Home	Mobile
1	Dr. Hedgewar Sahakari Blood Bank	0217	231128/2311215		
2	Gopabai Damani Blood Bank	0217	2722106/2726858		
3	Solapur Blood Bank, Railway Line, Solapur	0217	2749440		
4	Civil Hospital Blood Bank	0217	2319161		
5	Irapanna Bolli Blood Bank	0217			
6	Akhatar Blood Bank	0217			
7	Siddheshwar Blood Bank	0217			
8	Akshay Blood Bank	0217			

