



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD :ROAD NO.2: VAZIRABAD POLICE STATION TO GURUDWARA GATE NO. 1

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						m						Left	Right	
1	0	100	Minor	At Grade	Mahaveer Chk	Nil	Nil	Nil	Yes	Yes	Yes	1	13	
2	100	300	Nil	Nil	Nil	300	Transformer	RHS	Yes	Yes	Yes	2	21	
3	300	540	Minor	At Grade	Gate No. 1	310 & 500	Mandir	RHS	Yes	Yes	Yes	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.2: VAZIRABAD POLICE STATION TO GURUDWARA GATE NO. 1**

**ROAD CONDITION SURVEY**

**STARTING CHAINAGE: VAZIRABAD POLICE STATION**

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (%)	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	100	7.0	A	0.5	0.1	Nil	Nil	28.6	33.3	4.8	2.3	0.3	2.5	I	UP	Bad	P	Bad	Flexible Pavement
2																P	Fair	P	Fair	
3	100	300	7.0	Nil	Nil	Nil	Nil	Nil	16	Nil	Nil	Nil	Nil	Nil	Nil	UP	Bad	UP	Bad	Rigid Pavement with bituminous top
4	300	540	7.0	Nil	Nil	Nil	Nil	Nil	29	Nil	Nil	Nil	Nil	Nil	Nil	UP	Bad	P	Bad	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD :ROAD NO.2: VAZIRABAD POLICE STATION TO GURUDWARA GATE NO. 1**

**ROAD INVENTORY : Terrain, Landuse & Geometry**

**TERRAIN: PLAIN**

SI No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
						Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	100	Com/Res	Com/Res	7.0	UP	1.5	P	1.0	Open	1.0	Nil	Nil	Nil	Nil	Nil	Nil	
2						P	1.5	P	1.5					Nil	Nil	Nil	Nil	
3	100	300	Com/Res	Com/Res	7.0	UP	2.5	UP	1.0	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
4	300	540	Com/Res	Com/Res	7.0	UP	2.5	P	2.5	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.3: GURUDWARA GATE NO. 1 TO KELI MARKET**

**ROAD INVENTORY : Terrain, Landuse & Geometry**

**TERRAIN: PLAIN**

SI No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	
1	0	100	Com/Res	Com/Res	8.0+8.0	UP	1.0	UP	1.0	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
2	100	200	Com/Res	Com/Res	7.0+6.5	UP	1.0	UP	1.0	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	Slab Culvert
3	200	300	Com/Res	Com/Res	7.5+6.5	UP	1.0	UP	1.0	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
4	300	400	Com/Res	Com/Res	11.00	UP	1.0	UP	1.0	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
5	400	500	Com/Res	Com/Res	11.00	UP	0.5	UP	0.5	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
6	500	600	Com/Res	Com/Res	7.00	UP	0.5	UP	0.5	Covered	0.5	Covered	1.0	Nil	Nil	Nil	Nil	
7	600	700	Com/Res	Com/Res	11.00	UP	0.5	UP	0.5	Covered	0.3	Covered	1.0	Nil	Nil	Nil	Nil	
8	700	720	Land	Com/Res	5.40	UP	2.0	UP	2.0	Nil	Nil	Open	0.5	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.3: GURUDWARA GATE NO. 1 TO KELI MARKET**

**ROAD INVENTORY : Other Information**

SI No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						m								
1	0	100	Major	At Grade	Gate No. 1	Nil	Nil	Nil	Yes	Yes	Yes	Nil	1	
2	100	200	Nil	Nil	Nil	150	Transformer	RHS	Yes	Yes	Yes	Nil	Nil	
3	200	300	Minor	At Grade	Gate No. 3	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
4	300	400	Major	At Grade	Old Munda	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
5	400	500	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
6	500	600	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
7	600	700	Minor	At Grade	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
8	700	720	Minor	At Grade	Keli Market	720	Transformer/ Mandir	LHS/RHS	Yes	Yes	Yes	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

**NAME OF THE ROAD : ROAD NO.3: GURUDWARA GATE NO. 1 TO KELI MARKET**

**ROAD CONDITION SURVEY (CONCRETE PAVEMENT)**

**STARTING CHAINAGE: GURUWDARA GATE NO. 1**

Sl No.	Chainage (m)		Average Faulting	Spalled Joint	Cracked Slab	Structural Crack	Failure	Texture Depth	Skid Resistance SCIRM @ 50 kmph	Overall Surface Condition
	From	To	(mm)	(mm)	(mm)	(No.)	(No.)	(mm)		
1	0	100	Nil	Nil	3	32	Nil	1.0	Fair	Fair
2	100	200	Nil	Nil	4	38	Nil	1.0	Fair	Fair
3	200	300	2	Nil	5	35	Nil	1.0	Fair	Bad
4	300	400	2	50	3	26	2	1.0	Fair	Bad
5	400	500	3	20	4	29	Nil	1.0	Fair	Bad
6	500	600	5	50	3	24	Nil	1.0	Fair	Bad
7	600	700	2	Nil	3	16	Nil	1.0	Fair	Fair
8	700	720	2	Nil	3	11	Nil	1.2	Fair	Bad



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO.4: KELI MARKET TO BARKI CHOWK

ROAD CONDITION SURVEY

STARTING CHAINAGE: KELI MARKET

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	200	5.50	A	6	0.5	Nil	Nil	20	27	2.5	12	1.1	10	I	P	Bad	P	Bad	First 10m without Black Top
2	200	320	5.50	Nil	Nil	Nil	Nil	Nil	12	22	3.3	Nil	Nil	30	I	P	Bad	P	Bad	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO.4: KELI MARKET TO BARKI CHOWK

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

SI No.	Chainage (Km)		Land-Use		Carriageway Width	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	
1	0	200	Com/Res	Com/Res	5.50	P	1.2	P	1.25	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
2	200	320	Com/Res	Com/Res	5.50	P	0.5	P	0.5	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	

CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.  
4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO.4: KELI MARKET TO BARKI CHOWK

ROAD INVENTORY : Other Information

SI No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						m						Left	Right	
1	0	200	Minor	At Grade	Keli Market	0	Mandir	RHS	Yes	Yes	Yes	Nil	Nil	
2	200	320	Major	At Grade	Barki Chowk	220	Transformer	RHS	Yes	Yes	Yes	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 5: BARKI CHOWK TO MASJID TO NAVGHAT

ROAD CONDITION SURVEY

STARTING CHAINAGE: BARKI CHOWK

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	110	6.0	Nil	Nil	Nil	Nil	Nil	3	0.5	0.1	Nil	Nil	20.0	I	Nil	Nil	Nil	Nil	
2	110	550	4.0	RIGID PAVEMENT																
3	550	720	5.0	Nil	Nil	Nil	Nil	Nil	19	Nil	Nil	Nil	Nil	60.0	I	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

**NAME OF THE ROAD : ROAD NO. 5: BARKI CHOWK TO MASJID TO NAVGHAT**

**ROAD CONDITION SURVEY (CONCRETE PAVEMENT)**

SI No.	Chainage (m)		Carriageway Width (m)	Average Faulting	Spalled Joint	Cracked Slab	Structural Crack	Failure	Texture Depth	Skid Resistance SCIRM @ 50 kmph	Overall Surface Condition
	From	To		(mm)	(mm)	(mm)	(No.)	(No.)	(mm)		
1	110	200	(m)	3	50	5	11	4	1.1	Nil	Bad
2	200	300	6.0	2	50	3	12	3	1.2	Nil	Bad
3	300	400	4.0	5	100	3	21	5	1.0	Fair	Bad
4	400	550	5.0	3	50	2	16	8	1.2	Nil	Bad



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 5: BARKI CHOWK TO MASJID TO NAVGHAT

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Width (m)	Type	Width (m)	Type	Width	Type	Width	Type	Width	Type	Width		
1	0	110	Res/Com	Res/Com	6.0	Nil	Nil	Nil	Nil	Covered	0.5	Covered	0.5	Nil	Nil	Nil	Nil	
2	110	550	Res	Res	4.0	Nil	Nil	Nil	Nil	Covered	0.5	Covered	0.5	Nil	Nil	Nil	Nil	
3	550	720	Res	Res	5.0	Nil	Nil	Nil	Nil	Open	0.5	Open	0.25	Nil	Nil	Nil	Nil	



## CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED

41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 5: BARKI CHOWK TO MASJID TO NAVGHAT

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	110	Major	At Grade	Keli Market	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
2	110	550	Minor	At Grade	NA	160/340	Mandir / Masjid	LHS / RHS	Yes	Yes	Yes	Nil	Nil	
3	550	720	Nil	Nil	Nil	700	Mandir	LHS	Yes	Yes	Yes	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO.7: REGIONAL WORK SHOP TO MUTHA CHOWK

**ROAD CONDITION SURVEY**

STARTING CHAINAGE : MUTHA CHOWK

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			Type	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	100	10.5	Nil	Nil	Nil	Nil	Nil	5	Nil	Nil	Nil	Nil	8	I	UP	Fair	Up	Fair	
2																P	Fair	P	Fair	
3	100	300	7.0+7.0	Nil	Nil	Nil	Nil	Nil	7	Nil	Nil	0.75	0.03	Nil	I	P	Fair	P	Fair	0.3m Median (with barrier) starts
4	300	500	7.0+7.0	Nil	Nil	Nil	Nil	Nil	Nil	1.5	0.05	5.5	0.20	10.0	I	P	Fair	P	Fair	
5	500	580	10.50	Nil	Nil	Nil	Nil	Nil	4	2.5	0.30	Nil	Nil	14.0	I	UP	Fair	P	Fair	0.3m Median (with barrier) ends
6	580	750	10.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	ROB Bridge Portion
7	750	850	10.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
8	850	950	10.50	Nil	Nil	Nil	Nil	Nil	6	1	0.1	4	0.4	10.0	I	P	Fair	P	Fair	
9	950	1200	7.0+7.0	Nil	Nil	Nil	Nil	Nil	6	8	0.2	17	0.5	Nil	I	P	Fair	P	Fair	0.3m Median (with barrier) starts
10	1200	1400	7.0+7.0	Nil	Nil	Nil	Nil	Nil	Nil	5	0.2	10	0.4	Nil	I	P	Fair	P	Fair	
11	1400	1600	7.0+7.0	A	4.5	0.2	Nil	Nil	Nil	4	0.1	59	2.1	Nil	I	P	Fair	P	Fair	0.3m Median (with barrier) ends
12	1600	1880	7.0+7.0	Nil	Nil	Nil	Nil	Nil	2	0.50	0.0	133	3.4	Nil	I	P	Fair	P	Fair	0.5m Median starts
13	1880	2000	11.00	A	1.5	0.1	Nil	Nil	4	Nil	Nil	2.25	0.1	8.0	I	UP	Fair	UP	Fair	0.5m Median ends
14	2000	2240	11.00	Nil	Nil	Nil	Nil	Nil	1	Nil	Nil	Nil	Nil	5	I	UP	Fair	UP	Fair	
15	2240	2400	7.5+7.5	Nil	Nil	Nil	Nil	Nil	3	Nil	Nil	Nil	Nil	10	I	UP	Fair	UP	Fair	0.5m Median starts
16	2400	2600	7.5+7.0	Nil	Nil	Nil	Nil	Nil	2	5.2	0.2	Nil	Nil	Nil	I	UP	Fair	UP	Fair	
17	2600	2800	6.8+7.0	L	1.8	0.07	Nil	Nil	2	Nil	Nil	Nil	Nil	Nil	I	UP	Fair	UP	Fair	0.5m Median ends



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO.7: REGIONAL WORK SHOP TO MUTHA CHOWK

ROAD CONDITION SURVEY

STARTING CHAINAGE : MUTHA CHOWK

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
18	2800	3000	10.50	Nil	Nil	Nil	Nil	Nil	5.24	Nil	Nil	Nil	Nil	20.00	I	UP	Fair	UP	Fair	
19																P	Fair	P	Fair	
20	3000	3200	10.50	Nil	Nil	Nil	Nil	Nil	5.71	Nil	Nil	45.50	2.17	15.00	I	UP	Fair	UP	Fair	
21												P	Fair			P	Fair			
22	3200	3360	10.50	Nil	Nil	Nil	Nil	Nil	12	Nil	Nil	9.5	0.6	20	I	UP	Fair	UP	Fair	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.7: REGIONAL WORK SHOP TO MUTHA CHOWK**

**ROAD INVENTORY : Terrain, Landuse & Geometry**

**TERRAIN: PLAIN**

Sl No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
						Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	100	Com	Res/Com	10.5	UP	1.0	Up	1.5	Open	0.5	Covered	0.5	Nil	Nil	Nil	Nil	
2						P	1.0	P	1.0									
3	100	300	Com	Res/Com	7.0+7.0	P	1.4	P	1.5	Covered	1.0	Covered	1.0	Tiled	4.0	Tiled	4	
4	300	500	Com	Res/Com	7.0+7.0	P	0.8	P	1.0	Covered	1.0	Covered	1.0	Tiled	4.5	Tiled	4	
5	500	580	Com	Res/Com	10.50	UP	3	P	1.0	Nil	Nil	Covered	1.0	Nil	Nil	Tiled	1.5	
6	580	750	Nil	Nil	10.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Tiled	1.5	
7	750	850	Com	Com	10.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Tiled	2.0	Tiled	1.5	
8	850	950	Com	Res/Com	10.50	P	2.8	P	2.8	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
9	950	1200	Com	Res/Com	7.0+7.0	P	1.7	P	1.5	Open	1.0	Covered	1.0	Tiled	3.0	Tiled	2.5	
10	1200	1400	Com	Res/Com	7.0+7.0	P	1.2	P	1.4	Open	1.0	Open	1.0	Tiled	3.5	Tiled	3	
11	1400	1600	Com	Res/Com	7.0+7.0	P	1.7	P	1.4	Open	1.0	Open	1.0	Tiled	3.5	Tiled	3	
12	1600	1880	Com	Res/Com	7.0+7.0	P	1.4	P	1.8	Nil	Nil	Nil	Nil	Tiled	3.5	Tiled	3	
13	1880	2000	Com	Res/Com	11.00	UP	3.0	UP	3.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
14	2000	2240	Com	Res/Com	11.00	UP	3.5	UP	3.5	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	Box Culvert
15	2240	2400	Com	Res/Com	7.5+7.5	UP	3.5	UP	3.5	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
16	2400	2600	Com	Res/Com	7.5+7.0	UP	3.5	UP	3.5	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
17	2600	2800	Com	Res/Com	6.8+7.0	UP	1.0	UP	1.0	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.7: REGIONAL WORK SHOP TO MUTHA CHOWK**

**ROAD INVENTORY : Terrain, Landuse & Geometry**

**TERRAIN: PLAIN**

SI No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
						Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	
18	2800	3000	Com	Res/Com	10.50	UP	1.5	UP	1.5	Open	0.5	Covered	0.5	Nil	Nil	Nil	Nil	
19						P	2.0	P	2.5									
20	3000	3200	Com	Res/Com	10.50	UP	1.5	UP	1.5	Nil	Nil	Covered	0.5	Nil	Nil	Nil	Nil	
21						P	1.0	P	1.0									
22	3200	3360	Com	Res/Com	10.50	UP	1.5	UP	1.5	Nil	Nil	Covered	0.5	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.7: REGIONAL WORK SHOP TO MUTHA CHOWK**

**ROAD INVENTORY : Other Information**

SI No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	100	Major	At Grade	Mahaveer Chk	20	Transformer	LHS	Yes	Yes	Yes	Nil	Nil	
2	100	300	Nil	Nil	Nil	120/200	Telephone Box/Transformer	LHS	Yes	Yes	Yes	4	4	
3	300	500	Nil	Nil	Nil	320	Telephone Box/Transformer	RHS/LHS	Nil	Yes	Yes	2	2	
4	500	580	Nil	Nil	Nil	560	ST Bus Stand	LHS	Nil	Yes	Yes	Nil	1	
5	580	750	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Nil	Nil	
6	750	850	Major	At Grade	Nasratpur	Nil	Nil	Nil	Nil	Yes	Yes	Nil	Nil	
7	850	950	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Nil	Nil	
8	950	1200	Minor	At Grade	Rly Station	Nil	Nil	Nil	Yes	Yes	Yes	3	1	
9	1200	1400	Minor	At Grade	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
10	1400	1600	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	1	3	
11	1600	1880	Major	At Grade	VIP Rd	1650	Bus Stop	LHS	Yes	Yes	Yes	1	Nil	
12	1880	2000	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	14	10	
13	2000	2240	Nil	Nil	Nil	2160	Transformer	LHS	Nil	Yes	Yes	9	1	
14	2240	2400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	12	10	
15	2400	2600	Nil	Nil	Nil	2480	Telephone Box	LHS	Nil	Yes	Yes	6	1	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.7: REGIONAL WORK SHOP TO MUTHA CHOWK**

**ROAD INVENTORY : Other Information**

SI No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
16	2600	2800	Nil	Nil	Nil	2620	Transformer	LHS	Yes	Yes	Yes	Nil	10	
17	2800	3000	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
18	3000	3200	Major	At Grade	Bhagya Nagar	Nil	Nil	Nil	Yes	Yes	Yes	7	Nil	
19	3200	3360	Major	At Grade	Workshop	3260/3300	Telephone Box / Transformer	RHS	Yes	Yes	Yes	1	3	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 8: MUTHA CHOWK TO DEGLOOR NAKA

ROAD CONDITION SURVEY

STARTING CHAINAGE : DEGLOOR NAKA

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (%)	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	200	5.00	Nil	Nil	Nil	Nil	Nil	58	Nil	Nil	Nil	Nil	7.5	I	UP	Bad	UP	Bad	
2	200	400	4.00	Nil	Nil	Nil	Nil	Nil	39	2.0	0.3	Nil	Nil	15	II	UP	Bad	UP	Bad	
3	400	600	4.10	Nil	Nil	Nil	Nil	Nil	43	4.0	0.5	Nil	Nil	30	II	UP	Bad	UP	Bad	
4	600	800	3.40	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	UP	Bad	UP	Bad	BT not seen due to debris
5	800	1000	3.30	Nil	Nil	Nil	Nil	Nil	64	64	9.7	Nil	Nil	15	II	UP	Bad	UP	Bad	
6	1000	1200	3.90	A	5.5	0.7	Nil	Nil	26	18	2.3	1	0.1	20	I	UP	Bad	UP	Bad	
7	1200	1400	7.00	Nil	Nil	Nil	Nil	Nil	31	2.75	0.2	63	4.5	12.5	I	P	Fair	P	Fair	Barki Chowk
8	1400	1600	7.00	Nil	Nil	Nil	Nil	Nil	26	Nil	Nil	1.8	0.1	5	I	P	Fair	P	Fair	
9	1600	1800	10.5	Nil	Nil	Nil	Nil	Nil	10	Nil	Nil	5	0.2	12.5	I	P	Fair	P	Fair	

**CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.**  
**4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703**

**ROAD CONDITION SURVEY**

**STARTING CHAINAGE : DEGLOOR NAKA**

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure %	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
10	1800	2000	7.0	Nil	Nil	Nil	Nil	Nil	Nil	3.5	0.3	360.0	25.7	7.5	I	UP	Fair	UP	Fair	Old Munda
11																P	Fair	P	Fair	
12	2000	2200	7.0	Nil	Nil	Nil	Nil	Nil	12.1	1.5	0.1	404.0	28.9	7.0	I	UP	Fair	UP	Fair	
13																P	Fair	P	Fair	
14	2200	2400	7.0	A+L	10.0	0.7	Nil	Nil	6.4	2.5	0.2	120.0	8.6	10.0	I	UP	Fair	UP	Fair	Mahaveer Chowk
15																P	Fair	P	Fair	
16	2400	2600	7.0	Nil	Nil	Nil	Nil	Nil	16.4	6.0	0.4	6.0	0.4	15.0	I	UP	Fair	UP	Fair	
17																P	Fair	P	Fair	
18	2600	2800	7.0	Nil	Nil	Nil	Nil	Nil	7.9	2.0	0.1	7.5	0.5	7.0	I	UP	Fair	UP	Fair	
19																P	Fair	Nil	Nil	
20	2800	3020	7.0	Nil	Nil	Nil	Nil	Nil	6.5	9.0	0.6	8.0	0.5	12.0	I	UP	Fair	UP	Fair	
21																P	Fair	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 8: MUTHA CHOWK TO DEGLOOR NAKA

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width		
1	0	200	Com	Com	5.00	UP	2.5	UP	2.5	Open	0.3	Covered	0.5	Nil	Nil	Nil	Nil	
2	200	400	Res/Com	Res/Com	4.00	UP	3.5	UP	3.0	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	2-Cell Pipe Culvert
3	400	600	Res/Com	Res/Com	4.10	UP	3	UP	3		Nil	Nil	Nil	Nil	Nil	Nil	Nil	
4	600	800	Res/Com	Res/Com	3.40	UP		UP		Open	1.1	Open	1.1	Nil	Nil	Nil	Nil	
5	800	1000	Res/Com	Res/Com	3.30	UP	NOT VISIBLE	UP	NOT VISIBLE	Open	1.1	Open	1.1	Nil	Nil	Nil	Nil	
6	1000	1200	Res/Com	Res/Com	3.90	UP		UP		Open	1.1	Open	1.1	Nil	Nil	Nil	Nil	
7	1200	1400	Res/Com	Res/Com	7.00	P	1.5	P	1.5	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
8	1400	1600	Res/Com	Res/Com	7.00	P	2.0	P	2.0	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
9	1600	1800	Res/Com	Res/Com	10.5	P	2.1	P	2.0	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
10	1800	2000	Res/Com	Res/Com	7.0	UP	2.0	UP	2.0	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
11						P	1.6	P	1.8					Nil	Nil	Nil	Nil	
12	2000	2200	Res/Com	Res/Com	7.0	UP	2.0	UP	2.0	Covered	1.0	Covered	1.0	Nil	Nil	Tiled	2.2	
13						P	1.7	P	1.7					Nil	Nil	Nil	Nil	
14	2200	2400	Res/Com	Res/Com	7.0	UP	2.5	UP	2.5	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
15						P	2.0	P	2.0					Nil	Nil	Nil	Nil	

**CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.**  
**4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703**

**ROAD INVENTORY : Terrain, Landuse & Geometry**

**TERRAIN: PLAIN**

SI No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
						Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	
16	2400	2600	Res/Com	Res/Com	7.0	UP	2.0	UP	2.0	Covered	1.0	Covered	1.0	Nil	Nil	Tiled	2.2	
17						P	1.2	P	1.2					Nil	Nil	Nil	Nil	
18	2600	2800	Res/Com	Res/Com	7.0	UP	2.0	UP	2.0	Covered	1.0	Covered	1.0	Tiled	3.0	Nil	Nil	
19						P	1.5							Nil	Nil	Nil	Nil	
20	2800	3020	Res/Com	Res/Com	7.0	UP	2.0	UP	1.5	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
21						P	1.0							Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 8: MUTHA CHOWK TO DEGLOOR NAKA**

**ROAD INVENTORY : Other Information**

SI No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0	200	Major	At Grade	Degloor rd	Nil	Nil	Nil	Yes	Nil	Yes	Nil	1	
2	200	400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
3	400	600	Minor	At Grade	Navghat	580	Masjid	RHS Shol	Yes	Yes	Yes	Nil	Nil	
4	600	800	Nil	Nil	Nil	600	Telephone Box	RHS Shol	Yes	Yes	Yes	Nil	Nil	
5	800	1000	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
6	1000	1200	Nil	Nil	Nil	1060	Masjid	RHS Shol	Yes	Yes	Yes	Nil	Nil	
7	1200	1400	Major	At Grade	Barki Chk	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
8	1400	1600	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
9	1600	1800	Major	At Grade	Godawari	1700 & 1780	Gantry	LHS & RHS	Yes	Yes	Yes	Nil	Nil	
10	1800	2000	Nil	Nil	Nil	1800	Telephone Box	LHS	Yes	Yes	Yes	Nil	Nil	
11	2000	2200	Minor	At Grade	Gurudwada	2060	Transformer	LHS	Yes	Yes	Yes	Nil	Nil	
12	2200	2400	Minor	At Grade	Forest Office	2280	Transformer	LHS	Yes	Yes	Yes	Nil	Nil	
13	2400	2600	Minor	At Grade	Banda Ghat	2460	Mandir	RHS	Yes	Yes	Yes	Nil	Nil	
14	2600	2800	Nil	Nil	Nil	2600 & 2700	Transformer	LHS	Yes	Yes	Yes	Nil	1	
15	2800	3020	Major	At Grade	SP Office	2860	Transformer	LHS	Yes	Yes	Yes	2	4	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 9: DEGLOOR NAKA TO HINGOLI ROAD

ROAD CONDITION SURVEY

STARTING CHAINAGE : DEGLOOR NAKA

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure %	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			Left		Right		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	200	13.00	METAL ROAD											UP	Bad	UP	Bad	Metal Roads Starts	
2	200	400	11.20		UP	Bad	UP	Bad												
3	400	600	11.00		UP	Bad	UP	Bad												
4	600	800	10.90		UP	Bad	UP	Bad												
5	800	1000	12.50		UP	Bad	UP	Bad												
6	1000	1200	13.00		UP	Bad	UP	Bad												
7	1200	1400	12.00		UP	Bad	UP	Bad												
8	1400	1600	12.00																Metal Roads Ends	
9	1600	1800	11.50	EARTHEN ROAD															Earthen Roads Starts	
10	1800	2000	11.50																	
11	2000	2200	12.00																	
12	2200	2400	7.00																Rly Level Crossing	
13	2400	2600	5.50																	
14	2600	2800	8.00																	
15	2800	3000	12.00																	
16	3000	3200	10.00																	
17	3200	3400	11.00																	
18	3400	3600	10.00																	
19	3600	3800	9.00																	







**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 10: MUTHA CHOWK TO GOVARDHANGHAT TO LATUR ROAD

ROAD CONDITION SURVEY

STARTING CHAINAGE : MUTHA CHOWK

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	80	5.0	Nil	Nil	Nil	Nil	Nil	Nil	0.3	0.06	4	1.0	Nil	Nil	Nil	Nil	UP	Fair	
2	80	200	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Fair	UP	Fair	Cross Road
3	200	400	5.0	Nil	Nil	Nil	Nil	Nil	1.25	Nil	Nil	Nil	Nil	Nil	I	UP	Fair	UP	Fair	
4	400	600	5.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	15	I	UP	Fair	UP	Fair	
5	600	640	6.5	A	2	0.06	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	I	UP	Fair	UP	Fair	Concrete Pavement
6	640	2150	Missing Link																	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 10: MUTHA CHOWK TO GOVARDHANGHAT TO LATUR ROAD

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath			
	From	To	L	R		Left		Right		Left		Right		Left		Right	
					Type	Width (m)	Type	Width (m)	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	80	Com/Res	Com/Res	5.0	Nil	Nil	UP	0.75	Open	0.3	Covered	0.3	Nil	Nil	Nil	Nil
2	80	200	Com/Res	Com/Res	7.0	UP	0.5	UP	1.0	Open	0.3	Open	0.3	Nil	Nil	Nil	Nil
3	200	400	Com/Res	Com/Res	5.0	UP	1.5	UP	1.0	Covered	0.3	Open	0.3	Nil	Nil	Nil	Nil
4	400	600	Com/Res	Com/Res	5.0	UP	1.5	UP	1.0	Covered	0.3	Nil	Nil	Nil	Nil	Nil	Nil
5	600	640	Com/Res	Com/Res	6.5	UP	1.5	UP	1.0	Covered	0.3	Nil	Nil	Nil	Nil	Nil	Nil
6	640	2150	Missing Link														

Remarks
RHS Drain Ends at 160m



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 10: MUTHA CHOWK TO GOVARDHANGHAT TO LATUR ROAD

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	80	Major	At Grade	Mutha Chowk	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
2	80	200	Minor	At Grade	Naleshwar	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
3	200	400	Nil	Nil	Nil	340	Transformer	RHS	Yes	Yes	Yes	4	5	
4	400	600	Minor	At Grade	NA	480/520	Transformer/Tubewell	LHS / RHS	Yes	Yes	Yes	5	2	
5	600	640	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	2	4	
6	640	2150	<b>Missing Link</b>											



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 42: DEGLOOR ROAD JUNCTION TO OLD GODWARI RIVER BRIDGE**

**ROAD CONDITION SURVEY**

**STARTING CHAINAGE : GODAWARI OLD BRIDGE**

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			m	Class	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	200	9.40	A	18	1	Nil	Nil	13	Nil	Nil	390	21	70	I	UP	Fair	Up	Fair	100m Approach of Bridge
2	200	400	8.70	A	412	24	Nil	Nil	3	Nil	Nil	174	10	200	I	UP	Bad	Up	Bad	
3	400	600	8.60	A	14	1	Nil	Nil	3	Nil	Nil	208	12	15	I	UP	Bad	Up	Bad	
4	600	800	9.20	Nil	Nil	Nil	Nil	Nil	1	0.10	0.01	403	22	200	I	UP	Bad	Up	Bad	
5	800	900	7.00	Nil	Nil	Nil	Nil	Nil	2	Nil	Nil	203	29	120	I	UP	Bad	Up	Bad	
6	900	1160	6.60	A+L	24	1	Nil	Nil	2	Nil	Nil	33	2	140	I	UP	Bad	Up	Bad	





CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO.12: BARYAM SINGH HOUSE TO GURUDWARA GATE NO. 2 TO YATRI NIWAS

ROAD CONDITION SURVEY

STARTING CHAINAGE : BARYAM SINGH HOUSE

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	90	7.8	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Rigid Pavement
2	90	200	5.0	Nil	Nil	Nil	Nil	35	Nil	Nil	93	6.0	60	I	UP	Bad	UP	Bad	Bad	Flexible Pavement
3	200	340	5.5	A	70	9	Nil	Nil	23	3	0.32	120	6.1	90	I	UP	Bad	UP	Bad	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO.12: BARYAM SINGH HOUSE TO GURUDWARA GATE NO. 2 TO YATRI NIWAS

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Condn	Type	Condn	Type	Width	Type	Width	Type	Width	Type	Width		
1	0	90	Res/Com	Res/Com	7.8	Nil	Nil	Nil	Nil	Open	0.25	Open	0.25	Nil	Nil	Nil	Nil	80m open drain
2	90	200	Res/Com	Res/Com	5.0	UP	1.0	UP	1.0	Open	0.25	Covered	0.25	Nil	Nil	Nil	Nil	Slab Culverts (2 nos.)
3	200	340	Res/Com	Res/Com	5.5	UP	1.0	UP	1.0	Open	0.25	Open	0.25	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.12: BARYAM SINGH HOUSE TO GURUDWARA GATE NO. 2 TO YATRI NIWAS**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0	90	Minor	At Grade	Gandhi Statue	90	Transformer	LHS	Yes	Yes	Yes	Nil	Nil	Rigid Pavement
2	90	200	Nil	Nil	Nil	160	Gurudwara Gate No.2	RHS	Yes	Yes	Yes	Nil	Nil	
3	200	340	Minor	At Grade	Yatri Niwas	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	





**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 13: CHKHALWADI ROAD TO BHAGAT SINGH ROAD

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Condn	Type	Condn	Type	Width	Type	Width	Type	Width	Type	Width		
1	0	250	Res	Res	5.0	Nil	Nil	Nil	Nil	Covered	0.25	Covered	0.25	Nil	Nil	Nil	Nil	80m open drain
2	250	400	Res	Res	3.5	UP	0.75	UP	0.75	Open	0.25	Open	0.25	Nil	Nil	Nil	Nil	
3	400	580	Res	Res	3.5	UP	0.75	UP	0.75	Open	0.25	Open	0.25	Nil	Nil	Nil	Nil	
4	580	670	Res	Res	3.0	Nil	Nil	Nil	Nil	Open	0.25	Open	0.25	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 13: CHKHALWADI ROAD TO BHAGAT SINGH ROAD**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0	250	Minor	At Grade	Bhagat Singh Rd	Nil	Nil	Nil	Yes	Yes	Yes	13	Nil	
2	250	400	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
3	400	580	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	10	6	
4	580	670	Minor	At Grade	Old Munda	Nil	Nil	Nil	Yes	Yes	Yes	23	10	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 14: YATRI NIWAS TO CRUSHER ROAD

ROAD CONDITION SURVEY

STARTING CHAINAGE : YATRI NIWAS

Sl No.	Chainage (Km)		Carriageway Width	Crack Type	Cracking				Ravelling	Potholes		Patching		Edge Failure	Rut Depth	Shoulder				Remarks
	From	To			(m)	All Crack		Wide > 3mm		(%)	sqm	%	sqm			%	m	Class	Left	
					sqm	%	sqm	%		sqm	%	sqm	%			Type	Condn	Type	Condn	
1	0	200	3.5	A	50	7	Nil	Nil	10	60	8.6	9	1.3	60	II	UP	Bad	UP	Bad	
2	200	400	3.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Bad	UP	Bad	Metal Road
3	400	570	3.0	Nil	Nil	Nil	Nil	Nil	6	9	1.7	152	30	Nil	Nil	UP	Bad	UP	Bad	
4	570	1020	Misiing Link																Agricultural Field	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 14: YATRI NIWAS TO CRUSHER ROAD

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Condn	Type	Condn	Type	Width	Type	Width	Type	Width	Type	Width		
1	0	200	Res	Res	3.5	UP	3.0	UP	3.0	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
2	200	400	Res	Res	3.0	UP	2.0	UP	2.0	Covered	0.5	Open	0.5	Nil	Nil	Nil	Nil	Metal Road
3	400	570	Res	Res	3.0	UP	2.0	UP	2.0	Covered	0.5	Open	0.5	Nil	Nil	Nil	Nil	
4	570	1020	Missing Link															



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 14: YATRI NIWAS TO CRUSHER ROAD

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0	200	Minor	At Grade	Degloor Rd	Nil	Nil	Nil	Yes	Yes	Yes	12	4	
2	200	400	Nil	Nil	Nil	220	Transformer	LHS	Yes	Yes	Yes	31	12	Metal Road
3	400	570	Minor	At Grade	Bhagat Singh Rd	380	Transformer	LHS	Yes	Yes	Yes			
4	570	1020	Missing Link											



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 15: GURUDWARA GATE NO. 3 TO BHAGAT SINGH ROAD

ROAD CONDITION SURVEY

STARTING CHAINAGE : GATE NO. 3

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	150	3.0	A	44.0	10	Nil	Nil	26	3.0	0.7	Nil	Nil	140.0	I	UP	Bad	UP	Bad	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 15: GURUDWARA GATE NO. 3 TO BHAGAT SINGH ROAD

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

SI No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Width (m)	Type	Width (m)	Type	Width	Type	Width	Type	Width	Type	Width		
1	0	150	Res	Res	3.0	UP	0.5	UP	0.5	Nil	Nil	Open	0.3	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 15: GURUDWARA GATE NO. 3 TO BHAGAT SINGH ROAD

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/ Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	150	Major	At Grade	Bhagat Singh Rd	0	Gate No.3	Start	Yes	Yes	Yes	3	Nil	3-Cell Pipe Culvert



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 17: GURUDWARA GATE NO. 1 TO DENA BANK TO NAGINA GHAT

ROAD CONDITION SURVEY

STARTING CHAINAGE : GATE NO. 1

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	100	7	Nil	Nil	Nil	Nil	Nil	61	Nil	Nil	178	25	100	I	UP	Bad	UP	Bad	Gate No.1
2																P	Bad	P	Bad	
3	100	350	6.5	A	150	9.2	Nil	Nil	9	Nil	Nil	56.5	3.5	160	I	UP	Bad	UP	Bad	
4	350	420	5.8	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Bad	UP	Bad	Concrete Pavement Starts
5	420	600	9.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
6	600	720	10.6	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	P	Bad	Nil	Nil	Concrete Pav Ends at 690



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**

**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 17: GURUDWARA GATE NO. 1 TO DENA BANK TO NAGINA GHAT**

**ROAD CONDITION SURVEY (CONCRETE PAVEMENT)**

SI No.	Chainage (m)		Average Faulting	Spalled Joint	Cracked Slab	Structural Crack	Failure	Texture Depth	Skid Resistance SCIRM @ 50 kmph	Overall Surface Condition
	From	To	(mm)	(mm)	(mm)	(No.)	(No.)	(mm)		
1	350	420	3	20	5	32	All	1.2	Fair	Bad
2	420	600	2	50	3	21	5	1.0	Slippery	Bad
3	600	690	2	200	3	16	4	1.0	Fair	Fair



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 17: GURUDWARA GATE NO. 1 TO DENA BANK TO NAGINA GHAT

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
					Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	
1	0	100	Com	Com	7	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2						P	1.0	P	1.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3	100	350	Res/Com	Res/Com	6.5	UP	2.0	UP	2.0	Nil	Nil	Open	0.5	Nil	Nil	Nil	Nil	
4	350	420	Res/Com	Res/Com	5.8	UP	2.0	UP	2.0	Covered	0.5	Nil	Nil	Nil	Nil	Nil	Nil	
5	420	600	Res/Com	Res/Com	9.0	Nil	Nil	Nil	Nil	Covered	0.5	Nil	Nil	Nil	Nil	Nil	Nil	
6	600	720	Res/Com	Res/Com	10.6	P	2.0	Nil	Nil	Covered	0.5	Nil	Nil	Nil	Nil	Nil	Nil	





CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 18: GANDHI STATUE TO MAHAVEER CHOWK

ROAD CONDITION SURVEY

STARTING CHAINAGE : MAHAVEER CHOWK

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	100	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	169.5	24	60	I	Nil	Nil	UP	Fair	Mahaverr Chowk
2																P	Fair	P	Fair	
3	100	230	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	330	36	30	I	Nil	Nil	UP	Fair	
4																P	Fair	P	Fair	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 18: GANDHI STATUE TO MAHAVEER CHOWK

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
						Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	100	Com/Res	Com	7.0	Nil	Nil	UP	1.0	Covered	0.3	Open	0.3	Tiled	2.5	Nil	Nil	
2						P	1.5	P	1.5									
3	100	230	Com/Res	Com	7.0	Nil	Nil	UP	1.0	Covered	0.3	Nil	Nil	Tiled	2.5	Nil	Nil	
4						P	1.5	P	1.5									



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 18: GANDHI STATUE TO MAHAVEER CHOWK**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	100	Major	At Grade	Mutha Chk	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
2			Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
3	100	230	Nil	Nil	Nil	140	Darga	LHS	Yes	Yes	Yes	Nil	Nil	
4			Minor	At Grade	Shivaji Statue	200	Water Chamber	LHS	Yes	Yes	Yes	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO. 19: HINGOLI GATE (RUB) TO FOREST OFFICE TO BANDA GHAT

ROAD CONDITION SURVEY

STARTING CHAINAGE : HINGOLI GATE

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks				
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left			Right			
			sqm		%	sqm	%	Type	Condn					Type	Condn									
1	0	100	10.5+10.5	First 10m stretch of full width under construction -Base										Nil	Nil	Nil	Nil	Nil	I	Nil	Nil	Nil	Nil	0.6m Depressed Median
2	100	220	9.0+9.0	90m Stretch of 8m width on RHS is under widening pa										Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	New Construction with widening
3	220	420	8.0	Nil	Nil	Nil	Nil	Nil	1.6	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	RUB Portion			
4	420	600	7.0+7.0	A	0.5	0.02	Nil	Nil	3.5	Nil	Nil	361	14.3	Nil	I	UP	Bad	UP	Bad					
5																P	Fair	P	Fair	1.0m median starts				
6	600	800	7.0+7.0	Nil	Nil	Nil	Nil	Nil	2.1	0.5	0.02	401	14.3	Nil	I	UP	Fair	UP	Fair					
7																P	Fair	P	Fair					
8	800	1000	7.0+7.0	A	2.5	0.09	Nil	Nil	5.4	0.5	0.02	315	11.25	Nil	I	P	Fair	P	Fair					
9	1000	1160	7.0+7.0	Nil	Nil	Nil	Nil	Nil	8.9	0.25	0.01	18	1.6	Nil	I	Nil	Nil	Nil	Nil	1.0m median ends				
10	1160	1300	10.0	A	16	0.8	Nil	Nil	5.4	Nil	Nil	6	0.6	80	I	UP	Fair	UP	Fair					
11																P	Fair	P	Fair					
12	1300	1700	Missing Link																					



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO. 19: HINGOLI GATE (RUB) TO FOREST OFFICE TO BANDA GHAT

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

SI No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
						Type	Width (m)	Type	Width (m)	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	100	Com/Res	Ag	10.5+10.5	Nil	Nil	Nil	Nil	Covered	1.0	Covered	1.0	P	1.2	P	1.2	
2	100	220	Com/Res	Ag	9.0+9.0	Nil	Nil	Nil	Nil	Covered	1.0	Open	1.0	P	1.2	Nil	Nil	
3	220	420	Nil	Nil	8.0	Nil	Nil	Nil	Nil	Covered	1.0	Covered	1.0	P	1.2	P	1.2	
4	420	600	Com/Res	Com/Res	7.0+7.0	UP	1.0	UP	1.0									
5						P	1.0	P	1.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
6	600	800	Com/Res	Com/Res	7.0+7.0	P	1.0	P	1.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
7						P	1.0	P	1.0									
8	800	1000	Com/Res	Com/Res	7.0+7.0	P	1.0	P	1.0	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
9	1000	1160	Com/Res	Com/Res	7.0+7.0	Nil	Nil	Nil	Nil	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	
10	1160	1300	Com/Res	Com	10.0	UP	1.0	UP	1.0	Open	1.0	Nil	Nil	Nil	Nil	Nil	Nil	
11						P	1.0	P	1.0									
12	1300	1700	Com/Res	Com/Res	Missing Link													



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 19: HINGOLI GATE (RUB) TO FOREST OFFICE TO BANDA GHAT**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0	100	Major	At Grade	VIP Road	80	Transformer	RHS	Yes	Nil	Yes	Nil	Nil	
2	100	220	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	Nil	Nil	
3	220	420	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	Nil	Nil	RUB Portion
4	420	600	Major	At Grade	Degloor Road	Nil	Nil	Nil	Yes	Nil	Yes	Nil	Nil	
5	600	800	Major	At Grade	Yatri Niwas	Nil	Nil	Nil	Yes	Nil	Yes	Nil	Nil	
6	800	1000	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	Nil	Nil	
7	1000	1160	Major	At Grade	Vazirabad Road	Nil	Nil	Nil	Yes	Nil	Yes	Nil	Nil	
8	1160	1300	Nil	Nil	Nil	1200	Forest Office	RHS	Yes	Nil	Yes	Nil	Nil	
10	1300	1700	Missing Link											



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 23: VAZIRABAD ROAD TO BANDA GHAT

ROAD CONDITION SURVEY

STARTING CHAINAGE : VAZIRABAD ROAD

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Cond					Type	Cond					
1	0	200	4.5	Nil	Nil	Nil	Nil	Nil	7.8	Nil	Nil	2.25	0.25	120	I	UP	Fair	UP	Fair	Bituminous Pavement
2	200	300	3.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Fair	UP	Fair	
3	300	330	3.1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Bad	UP	Bad	Concrete Pavement





**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 23: VAZIRABAD ROAD TO BANDA GHAT

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	200	Major	At Grade	Mutha Chowk	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
2	200	300	Minor	At Grade	Nil	Nil	Nil	Nil	Yes	Yes	Yes	5	6	Minor bridge at ch.250
3	300	330	Nil	Nil	Nil	350	Gurudwara	End	Nil	Nil	Yes	Nil	Nil	Concrete Pavement



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO. 24: DEGLOOR ROAD THROUGH C.R.C TO GYANAMATA SCHOOL

ROAD CONDITION SURVEY

STARTING CHAINAGE : DEGLOOR ROAD

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			Left		Right		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	500	12.5																	
2	500	1040	6.5																CROSSING RAILWAY LINE AT 1040M	
3	1040	1500	5.0																	
4	1500	2000	4.0																	
5	2000	2500	4.0																	





**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 24: DEGLOOR ROAD THROUGH C.R.C TO GYANAMATA SCHOOL**

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	500	Minor	At Grade	Degloor Rd	Nil	Nil	Nil	Nil	Yes	15	2	Fully Cart Track	
2	500	1040	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes				
3	1040	1500	Nil	Nil	Nil	1040	Rly. Level Crossing	Nil	Nil	Yes				
4	1500	2000	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	20	36		
5	2000	2500	Minor	At Grade	Nil	Nil	Nil	Nil	Nil	Yes				



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO.28: BAFNA PETROL PUMP TO OLD MUNDA TO NEW BRIDGE ON GODAWDARI**

**ROAD CONDITION SURVEY**

**STARTING CHAINAGE : BAFNA PETROL PUMP**

Sl No.	Chainage (Km)		Carriageway Width	Crack Type	Cracking				Ravelling	Potholes		Patching		Edge Failure	Rut Depth	Shoulder				Remarks
	From	To			(m)	All Crack		Wide > 3mm		%	sqm	%	sqm			%	m	Class	Left	
			sqm			%	sqm	%	Type					Condn	Type				Condn	
1	0	200	7.0+7.0	Nil	Nil	Nil	Nil	Nil	2.1	13.0	0.5	Nil	Nil	Nil	II	UP	Bad	UP	Bad	
2																P	Fair	P	Fair	
3	200	400	7.0+7.0	Nil	Nil	Nil	Nil	Nil	1	9	0.30	152	5.4	Nil	I	P	Fair	Nil	Nil	
4	400	600	6.5+6.9	Nil	Nil	Nil	Nil	Nil	1	68	2.52	7	0.3	Nil	I	Nil	Nil	Nil	Nil	
5	600	800	7.0	A	2	0.1	Nil	Nil	13	8.50	0.61	Nil	Nil	Nil	I	P	Fair	P	Fair	
6	800	980	7.0	A	27	2.1	Nil	Nil	3	24	1.9	3	0.2	Nil	I	Nil	Nil	Nil	Nil	
7	980	1070	10.7	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Fair	UP	Fair	Rigid Pavement
9	1070	1160	7.0	A	7	1	Nil	Nil	3	3.5	0.6	0.8	0.1	Nil	I	P	Fair	P	Fair	
10	1160	1240	15.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	P	Fair	P	Fair	Old Munda Island
11	1240	1360	5.5	A	1	0.2	Nil	Nil	Nil	Nil	Nil	32	4.8	Nil	I	UP	Fair	UP	Fair	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

**NAME OF THE ROAD : ROAD NO.28: BAFNA PETROL PUMP TO OLD MUNDA TO NEW BRIDGE ON GODAWDARI**

**ROAD CONDITION SURVEY (CONCRETE PAVEMENT)**

SI No.	Chainage (m)		Average Faulting	Spalled Joint	Cracked Slab	Structural Crack	Failure	Texture Depth	Skid Resistance SCIRM @ 50 kmph	Overall Surface Condition
	From	To	(mm)	(mm)	(mm)	(No.)	(No.)	(mm)		
1	980	1070	2	100	5	29	3	1.1	Slippery	Bad



**CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.**  
**4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703**



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO.28: BAFNA PETROL PUMP TO OLD MUNDA TO NEW BRIDGE ON GODAWDARI

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0	200	Major	At Grade	Degloor Rd	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
2												Nil	Nil	
3	200	400	Nil	Nil	Nil	380	Transformer	LHS	Yes	Yes	Yes	Nil	Nil	
4	400	600	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	19 Street lights at central median.
5	600	800	Nil	Nil	Nil	800	Transformer	RHS	Yes	Yes	Yes	Nil	Nil	
6	800	980	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	4	9	
7	980	1070	Major	At Grade	Gate No.1	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
9	1070	1160	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
10	1160	1240	Major	At Grade	Old Munda Island	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
11	1240	1360	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	Godawari Bridge



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO.28A: KHALSA RUB APPROACHES

ROAD CONDITION SURVEY

STARTING CHAINAGE : DEGLOOR ROAD

Sl No.	Chainage (Km)		Carriageway Width	Crack Type	Cracking				Ravelling	Potholes		Patching		Edge Failure	Rut Depth	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm									Left		Right		
			(m)		sqm	%	sqm	%	(%)	sqm	%	sqm	%	m	Class	Type	Condn	Type	Condn	
1	0	200	5.5	Nil	Nil	Nil	Nil	Nil	5.5	Nil	Nil	Nil	Nil	Nil	II	UP	Bad	UP	Bad	
3	200	220	5.0	Concrete Pavement											UP	Bad	UP	Bad		
4	220	330	5.0	Metal road											Nil	Nil	Nil	Nil		



**CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.**  
**4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703**



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO.28A: KHALSA RUB APPROACHES

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
3	0	200	Major	At grade	Degloor road	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
4	200	220	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
5	220	330	Major	At grade	Hingoli road	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO. 29: CRUSHER ROAD (FROM DEGLOOR ROAD) TO KELI MARKET

ROAD CONDITION SURVEY

STARTING CHAINAGE : DEGLOOR ROAD

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			Left		Right		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	220	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	P	Good	P	Good	New Pavement Constructed		
2	220	400	7.0	Metal Road										UP	Bad	UP	Bad	Metal Road in Bad Condition		
3	400	600	7.0												UP	Bad	UP		Bad	
4	600	800	7.0												UP	Bad	UP		Bad	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 29: CRUSHER ROAD (FROM DEGLOOR ROAD) TO KELI MARKET

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

SI No.	Chainage (Km)		Land-Use		Carriageway Width	Type of C/S	Height of Fill (m)		Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R	(m)	Cut/ Fill	L	R	Left		Right		Left		Right		Left		Right		
									Type	Width (m)	Type	Width (m)	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	220	Ag	Ag	7.0	Fill	0.5	0.5	P	1.5	P	1.5	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
2	220	400	Ag	Ag	7.0	Fill	0.5	0.5	UP	1.5	UP	1.5	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
3	400	600	Res	Ag	7.0	Nil	Nil	Nil	UP	1.5	UP	1.5	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
4	600	800	Res/Com	Ag	7.0	Nil	Nil	Nil	UP	1.5	UP	1.5	Open	0.5	Open	1.0	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 29: CRUSHER ROAD (FROM DEGLOOR ROAD) TO KELI MARKET

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	220	Major	At Grade	Degloor Road	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
2	220	400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
3	400	600	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	2	
4	600	800	Minor	At Grade	Barki Chowk	700	Overhead EL	Nil	Nil	Nil	Yes	Nil	2	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 30: LATUR ROAD TO MILK DAIRY

ROAD CONDITION SURVEY

STARTING CHAINAGE : MILK DAIRY

Sl No.	Chainage (Km)		Carriageway Width	Crack Type	Cracking				Ravelling	Potholes		Patching		Edge Failure	Rut Depth	Shoulder				Remarks
	From	To			(m)	All Crack		Wide > 3mm		(%)	sqm	%	sqm			%	m	Class	Left	
					sqm	%	sqm	%		sqm	%	sqm	%			Type	Condn	Type	Condn	
1	0	200	3.50	A	10	1.4	Nil	Nil	86	Nil	Nil	Nil	Nil	180	Nil	UP	Bad	UP	Bad	
2	200	400	4.00	A+L	5	0.6	Nil	Nil	6	7.5	0.9	Nil	Nil	160	Nil	UP	Bad	UP	Bad	
3	400	600	4.00	Nil	Nil	Nil	Nil	Nil	22	1.8	0.2	Nil	Nil	110	Nil	UP	Bad	UP	Bad	
4	600	800	3.50	Nil	Nil	Nil	Nil	Nil	9	Nil	Nil	Nil	Nil	20	Nil	UP	Bad	UP	Bad	
5	800	1000	4.00	Nil	Nil	Nil	Nil	Nil	15	Nil	Nil	Nil	Nil	20	Nil	UP	Bad	UP	Bad	
6	1000	1200	4.00	Nil	Nil	Nil	Nil	Nil	3	12	1.5	Nil	Nil	20	Nil	UP	Bad	UP	Bad	
7	1200	1400	4.20	Nil	Nil	Nil	Nil	Nil	21	32	3.8	Nil	Nil	120	Nil	UP	Bad	UP	Bad	





CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 30: LATUR ROAD TO MILK DAIRY

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	200	Minor	At Grade	Milk Dairy	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
2	200	400	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	Nil	Nil	
3	400	600	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	Nil	Nil	
4	600	800	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
5	800	1000	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
6	1000	1200	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
7	1200	1400	Major	At Grade	Latur Road	1300	Mandir	LHS	Nil	Nil	Nil	Nil	Nil	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 31: NAVGHAT BRIDGE TO MILK DAIRY (LATUR ROAD)

ROAD CONDITION SURVEY

STARTING CHAINAGE : MILK DAIRY

Sl No.	Chainage (Km)		Carriageway Width	Crack Type	Cracking				Ravelling	Potholes		Patching		Edge Failure	Rut Depth	Shoulder				Remarks
	From	To			(m)	All Crack		Wide > 3mm		sqm	%	sqm	%			m	Class	Left		
			sqm			%	sqm	%	(%)					sqm	%			sqm	%	
1	0	200	3.50	A+L	18	3	Nil	Nil	37	6	0.9	Nil	Nil	200	Nil	UP	Bad	UP	Bad	Bituminous Road Starts
2	200	400	3.50	A+L	11	2	Nil	Nil	57	8	1.1	Nil	Nil	200	Nil	UP	Bad	UP	Bad	Bituminous Road Ends
3	400	600	Avg. Road Width -6.5m		No Black Top										UP	Bad	UP	Bad	Metal Road in Bad Condition	
4	600	800													UP	Bad	UP	Bad		
5	800	1000													UP	Bad	UP	Bad		
6	1000	1200													UP	Bad	UP	Bad		



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 31: NAVGHAT BRIDGE TO MILK DAIRY (LATUR ROAD)

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Type of C/S Cut/ Fill	Height of Fill (m)		Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R			L	R	Left		Right		Left		Right		Left		Right		
									Type	Condn	Type	Condn	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	200	Ag	Ag	3.50	Fill	0.5	0.5	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Single Cell Pipe Culvert
2	200	400	Ag	Ag	3.50	Fill	0.5	0.5	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
3	400	600	Ag	Ag	Avg. Road Width -6.5m	Fill	0.5	0.5	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Single Cell Pipe Culvert
4	600	800	Ag	Ag		Fill	0.8	0.8	UP	1.2	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Single Cell Pipe Culvert
5	800	1000	Ag	Ag		Fill	1.0	1.0	UP	1.2	UP	1.2	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Two Cell Pipe Culvert
6	1000	1200	Ag	Ag		Fill	1.0	1.0	UP	1.2	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Single Cell Pipe Culvert



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 31: NAVGHAT BRIDGE TO MILK DAIRY (LATUR ROAD)**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	200	Major	At Grade	Latur Road	Nil	Nil	Nil	Nil	Nil	Yes	3	1	
2	200	400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	5	2	
3	400	600	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2	3	
4	600	800	Minor	At Grade	TV Center	Nil	Nil	Nil	Nil	Nil	Nil	4	5	
5	800	1000	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	5	2	
6	1000	1200	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	6	2	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 32: AIRPORT (FOREST NAKA) TO CHARAPATI NAGAR**

**ROAD CONDITION SURVEY**

**STARTING CHAINAGE : CHARAPATI NAGAR**

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%							Type	Condn	Type	Condn			
1	0	200	7.0	A	10.0	0.7	Nil	Nil	17.9	Nil	Nil	31.0	2.2	Nil	I	UP	Bad	UP	Bad	
2																P	Fair	P	Fair	
3	200	400	7.0	A	0.8	0.1	Nil	Nil	3.6	Nil	Nil	6.8	0.5	Nil	I	UP	Bad	UP	Bad	
4																P	Fair	P	Fair	
5	400	600	7.0	Nil	Nil	Nil	Nil	Nil	3.6	Nil	Nil	15.0	1.1	Nil	I	UP	Bad	UP	Bad	
6																P	Fair	P	Fair	
7	600	800	7.0	A	92.5	6.6	Nil	Nil	10.0	0.8	0.1	72.0	5.1	0.0	I	UP	Bad	UP	Bad	
8																P	Fair	P	Fair	
9	800	1000	7.0	A	27.0	1.9	Nil	Nil	1.1	Nil	Nil	60.5	4.3	Nil	I	UP	Bad	UP	Bad	
10																P	Fair	P	Fair	
11	1000	1200	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	348.0	24.9	Nil	I	UP	Bad	UP	Bad	
12																P	Fair	P	Fair	
13	1200	1400	7.0	A	300.0	21.4	Nil	Nil	8.6	0.3	Nil	562.0	40.1	Nil	I	UP	Fair	UP	Fair	
14																P	Fair	P	Fair	
15	1400	1600	7.0	A	Nil	Nil	Nil	Nil	Nil	15.5	Nil	136.0	9.7	0.1	I	UP	Fair	UP	Fair	
16																P	Fair	P	Fair	
17	1600	1800	7.0	A	2.0	0.1	Nil	Nil	Nil	Nil	Nil	12.0	0.9	Nil	I	UP	Fair	UP	Fair	
18																P	Fair	P	Fair	
19	1800	2000	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	10.0	0.7	80.0	I	UP	Fair	UP	Fair	
20																P	Fair	P	Fair	
21	2000	2200	7.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	60	4.3	Nil	I	UP	Fair	UP	Fair	
22	2200	2400	7.50	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	289	19.2	Nil	II	UP	Fair	UP	Fair	
23	2400	2600	7.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	715	51	Nil	I	UP	Bad	UP	Bad	
24	2600	2800	6.70	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	585	44	120.00	I	UP	Bad	UP	Bad	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 32: AIRPORT (FOREST NAKA) TO CHARAPATI NAGAR

ROAD CONDITION SURVEY

STARTING CHAINAGE : CHARAPATI NAGAR

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			Left		Right		
	sqm	%	sqm		%	Type	Condn	Type	Condn											
25	2800	3000	6.50	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	550	42	140.00	II	UP	Bad	UP	Bad	
26	3000	3200	7.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	470	34	Nil	I	UP	Bad	UP	Bad	
27	3200	3400	7.50	A	22	1	Nil	Nil	Nil	Nil	Nil	340	23	Nil	III	UP	Bad	UP	Bad	
28	3400	3600	7.00	L	6	0.4	Nil	Nil	Nil	Nil	Nil	445	32	Nil	II	UP	Bad	UP	Bad	
29	3600	3800	6.80	A	180	13.2	Nil	Nil	15	Nil	Nil	527	39	200.00	I	UP	Bad	UP	Bad	
30	3800	3900	7.50	Nil	Nil	Nil	Nil	Nil	13	Nil	Nil	48	6	Nil	I	UP	Bad	UP	Bad	



**CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.**  
**4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703**



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 32: AIRPORT (FOREST NAKA) TO CHARAPATI NAGAR**

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location (km)	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
												Left	Right	
1	0	200	Minor	At Grade	Charapati Nagar	160	Transformer	LHS	Yes	Nil	Yes	Nil	Nil	
2	200	400	Nil	Nil	Nil	280/340	Transformer	RHS/LHS	Yes	Nil	Yes	Nil	Nil	
3	400	600	Nil	Nil	Nil	580	Petrol Pump	LHS	Yes	Nil	Yes	Nil	Nil	
4	600	800	Major	At Grade	Ganesh Nagar	620	Overhead E L	LHS	Yes	Nil	Yes	1	1	
5	800	1000	Major	At Grade	Malegaon	940	Post Box	LHS	Yes	Nil	Yes	2	1	
6	1000	1200	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	2	5	
7	1200	1400	Major	At Grade	Nanded Rly Stn	1300	ST Workshop	RHS	Yes	Nil	Yes	1	4	
8	1400	1600	Nil	Nil	Nil	1480/1540	Transformer /Tubewell	LHS/RHS	Yes	Nil	Yes	4	6	
9	1600	1800	Nil	Nil	Nil	1660	Transformer	LHS	Yes	Nil	Yes	2	2	
10	1800	2000	Minor	At Grade	Bhagya Nagar	1800	Shiv Mandir	LHS	Yes	Nil	Yes	1	2	AIRSTRIP Starts
11	2000	2200	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	20	Nil	
12	2200	2400	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	34	Nil	
13	2400	2600	Nil	Nil	Nil	2540	Electric Sub station	LHS	Nil	Nil	Yes	28	22	
14	2600	2800	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	33	55	
15	2800	3000	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	55	1	
16	3000	3200	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	42	Nil	
17	3200	3400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	36	Nil	
18	3400	3600	Nil	Nil	Nil	3450	Rly Div. Office	Nil	Nil	Nil	Yes	56	Nil	
19	3600	3800	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	62	Nil	
20	3800	3900	Major	At Grade	Hingoli Rd	Nil	Nil	Nil	Nil	Nil	Yes	34	1	AIRSTRIP Continuing

**CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.**  
**4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703**



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 34: PAWDEWADI NAKA TO REST HOUSE**

ROAD CONDITION SURVEY

**STARTING CHAINAGE : PAWDEWADI NAKA**

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	200	5.0	A	120	12.0	Nil	Nil	25	1.0	0.10	272	27	200	I	UP	Fair	UP	Fair	
2	200	400	4.0	Nil	Nil	Nil	Nil	Nil	31	1	0.09	214	27	180	I	UP	Fair	UP	Fair	
3	400	600	3.5	A	70	10.0	Nil	Nil	11	20	2.9	403	58	160	I	UP	Bad	UP	Fair	
4	600	820	3.5	Nil	Nil	Nil	Nil	Nil	39	Nil	Nil	300	10	200	I	UP	Fair	UP	Fair	
5	820	900	Missing Link																	





**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 34: PAWDEWADI NAKA TO REST HOUSE**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0	200	Major	At Grade	Pawdewadi Naka	Nil	Nil	Nil	Yes	Yes	Yes	Nil	10	
2	200	400	Nil	Nil	Nil	380	Transformer	LHS	Yes	Yes	Yes	3	11	
3	400	600	Minor	At Grade	Science College	Nil	Nil	Nil	Yes	Yes	Yes	1	4	
4	600	820	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	9	
5	820	900	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 35: SHIVAJINAGAR TO NASRATPUR

ROAD CONDITION SURVEY

STARTING CHAINAGE : ROB

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	100	10.0		Nil	Nil	Nil	Nil	5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
2	100	300	7.5	Nil	Nil	Nil	Nil	Nil	3	0.5	0.03	Nil	Nil	Nil	I	UP	Fair	Nil	Nil	
3	300	500	7.0	Nil	Nil	Nil	Nil	Nil	3	Nil	Nil	0.3	0.02	Nil	I	Nil	Nil	Nil	Nil	
4	500	700	5.5	Nil	Nil	Nil	Nil	Nil	5	Nil	Nil	Nil	Nil	Nil	I	P	Fair	P	Fair	
5	700	820	5.5	Nil	Nil	Nil	Nil	Nil	2	Nil	Nil	Nil	Nil	120.0	I	P	Fair	P	Fair	
6	820	1000	7.0													UP	Fair	UP	Fair	Metal Road Starts
7	1000	1200	7.0													UP	Fair	UP	Fair	
8	1200	1400	7.0													UP	Fair	UP	Fair	
9	1400	1600	7.00													UP	Fair	UP	Fair	
10	1600	1800	7.00													UP	Fair	UP	Fair	
11	1800	2000	7.00													UP	Fair	UP	Fair	
12	2000	2200	7.00													UP	Fair	UP	Fair	
13	2200	2340	3.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Fair	UP	Fair	Concrete Pavement
14	2340	3000	3.50																	
15	3000	5000	3.50																	Missing Link Earthen Road







**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 38A: PART OF WESTERN BYPASS**

**ROAD CONDITION SURVEY**

**STARTING CHAINAGE : LATUR DAIRY**

SI No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	200	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	I	UP	Fair	UP	Fair	New Flexible Pavement in good condition	
2	200	400	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Fair	UP	Fair		
3	400	600	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Fair	UP	Fair		
4	600	800	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Fair	UP	Fair		
5	800	1060	7.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	UP	Fair	UP	Fair		
6	1060	3900	3.0	Partially Curt Track																



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO. 38A: PART OF WESTERN BYPASS

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

SI No.	Chainage (Km)		Carriageway Width	Land-Use		Type of C/S	Height of Fill (m)		Shoulder				Side Drains				Footpath				Remarks	
	From	To		(m)	L		R	Cut/ Fill	L	R	Left		Right		Left		Right		Left			Right
			Type			Width (m)					Type	Width (m)	Type	Width	Type	Width	Type	Width	Type	Width		Type
1	0	200	7.0	Ag	Ag	Fill	1.2	1.2	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
2	200	400	7.0	Ag	Ag	Fill	1.2	1.2	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
3	400	600	7.0	Ag	Ag	Fill	1.2	1.2	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
4	600	800	7.0	Ag	Ag	Fill	1.2	1.2	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
5	800	1060	7.0	Ag	Ag	Fill	1.2	1.2	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
6	1060	3900	3.0	Partially Cart Track																		



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 38A: PART OF WESTERN BYPASS

ROAD INVENTORY : Other Information

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks	
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right		
						(km)									
1	0	200	Major	At Grade	Latur Road	Nil	Nil	Nil	Nil	Nil	Yes	2	2	Single cell Pipe Culvert	
2	200	400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	3		
3	400	600	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	4		
4	600	800	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	Double cell Pipe Culvert	
5	800	1060	Minor	At Grade	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil		
6	1060	3900	Cart Track										45	50	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 39: ANANDNAGAR ROAD

ROAD CONDITION SURVEY

STARTING CHAINAGE : ST WORKSHOP

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure m	Rut Depth Class	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	200	7.0	A	1.8	0.1	Nil	Nil	6.4	Nil	Nil	137.2	9.8	80.0	II	UP	Fair	UP	Fair	
2																P	Fair	P	Fair	
3	200	440	7.0	Nil	Nil	Nil	Nil	Nil	11.9	Nil	Nil	238.3	14.2	Nil	I	UP	Bad	UP	Bad	
4																P	Fair	Nil	Nil	
5	440	600	7.0+7.0	Nil	Nil	Nil	Nil	Nil	10.7	Nil	Nil	520.0	23.2	Nil	I	UP	Bad	UP	Bad	1.0 m median starts
6																P	Fair	Nil	Nil	
7	600	800	7.0+7.0	Nil	Nil	Nil	Nil	Nil	2.9	12.0	0.4	440.0	15.7	100.0	I	UP	Fair	UP	Fair	
8																P	Fair	Nil	Nil	
9	800	1000	6.5+6.6	Nil	Nil	Nil	Nil	Nil	3.1	0.5	0.02	372	14.2	Nil	I	UP	Fair	UP	Fair	
10	1000	1200	6.5+6.5	A	9	0.3	Nil	Nil	7.7	Nil	Nil	200	7.7	Nil	I	UP	Fair	UP	Fair	
11	1200	1400	6.5+6.5	Nil	Nil	Nil	Nil	Nil	9.2	Nil	Nil	240	9.2	180.0	I	UP	Fair	UP	Fair	
12	1400	1600	6.6+6.6	Nil	Nil	Nil	Nil	Nil	7.6	Nil	Nil	220	8.3	80.0	I	UP	Fair	UP	Fair	
13	1600	1800	6.8+6.6	A	23	0.9	Nil	Nil	10.4	Nil	Nil	96	3.6	Nil	I	UP	Bad	UP	Bad	
14	1800	2060	6.8+6.6	Nil	Nil	Nil	Nil	Nil	6.9	Nil	Nil	150	4.3	80.0	I	UP	Bad	UP	Bad	1.0 m median starts



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 39: ANANDNAGAR ROAD

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Carriageway Width (m)	Land-Use		Type of C/S	Height of Fill (m)		Depth of Cut (m)		Shoulder				Side Drains				Footpath				Remarks
	From	To		L	R		Cut/ Fill	L	R	L	R	Left		Right		Left		Right		Left		Right	
											Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	200	7.0	Ag/Com	Ag/Com	Nil	Nil	Nil	Nil	Nil	UP	2.5	UP	2.5	Open	0.5	Nil	Nil	Nil	Nil	Nil	Nil	
2											P	1.5	P	1.5									
3	200	440	7.0	Ag/Com	Ag/Com	Nil	Nil	Nil	Nil	Nil	UP	2.5	UP	2.0	Nil	Nil	Open	0.5	Nil	Nil	Nil	Nil	
4											P	1.5	P	1.5									
5	440	600	7.0+7.0	Ag/Com	Ag/Com	Nil	Nil	Nil	Nil	Nil	UP	2.5	UP	2.5	Open	1.0	Open	1.0	Paved	1.5	Paved	1.5	
6											P	1.5	Nil	Nil									
7	600	800	7.0+7.0	Ag/Com	Ag/Com	Nil	Nil	Nil	Nil	Nil	UP	2.5	UP	2.0	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
8											P	1.5	Nil	Nil									
9	800	1000	6.5+6.6	Ag/Com	Ag/Com	Nil	Nil	Nil	Nil	Nil	UP	2.0	UP	2.0	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
10	1000	1200	6.5+6.5	Ag/Com	Ag/Com	Nil	Nil	Nil	Nil	Nil	UP	2.0	UP	2.0	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
11	1200	1400	6.5+6.5	Res/Com	Res/Com	Fill	0.3	0.3	Nil	Nil	UP	2.0	UP	2.0	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
12	1400	1600	6.6+6.6	Res/Com	Res/Com	Fill	0.3	0.3	Nil	Nil	UP	1.5	UP	1.5	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
13	1600	1800	6.8+6.6	Res/Com	Res/Com	Fill	0.3	0.3	Nil	Nil	UP	2.0	UP	1.5	Open	1.0	Open	1.0	Nil	Nil	Nil	Nil	
14	1800	2060	6.8+6.6	Res/Com	Res/Com	Fill	0.2	0.2	Nil	Nil	UP	2.0	UP	2.0	Nil	Nil	Open	1.0	Nil	Nil	Nil	Nil	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 39: ANANDNAGAR ROAD**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0	200	Major	At Grade	ST Workshop	Nil	Nil	Nil	Yes	Nil	Yes	2	1	
2														
3	200	440	Nil	Nil	Nil	220 / 280	Mandir / Transformer	LHS	Yes	Nil	Yes	14	25	
4														
5	440	600	Major	At Grade	VIP Road	Nil	Nil	Nil	Yes	Nil	Yes	7	7	Median Starts
6														
7	600	800	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	16	17	
8														
9	800	1000	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	20	18	
10	1000	1200	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	21	20	
11	1200	1400	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	18	20	
12	1400	1600	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	22	19	
13	1600	1800	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Yes	20	19	
14	1800	2060	Major	At Grade	Hingoli Road	Nil	Nil	Nil	Yes	Nil	Yes	18	22	Median Ends

**CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.**  
**4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703**



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

NAME OF THE ROAD : ROAD NO. 40: BHAGYANAGAR TO YASHWANT COLLEGE TO RAILWAY STATION

ROAD CONDITION SURVEY

STARTING CHAINAGE : RLY STATION

Sl No.	Chainage (Km)		Carriageway Width (m)	Crack Type	Cracking				Ravelling (%)	Potholes		Patching		Edge Failure (m)	Rut Depth (Class)	Shoulder				Remarks
	From	To			All Crack		Wide > 3mm			sqm	%	sqm	%			sqm	%	Left		
			sqm		%	sqm	%	Type	Condn					Type	Condn					
1	0	100	7.0	Nil	Nil	Nil	Nil	Nil	48	Nil	Nil	0.6	0.1	60	I	UP	Bad	UP	Bad	
2																P	Bad	P	Bad	
3	100.00	300.00	15.00	Nil	Nil	Nil	Nil	Nil	5	4	0.1	7	0.2	Nil	I	P	Bad	P	Bad	
4	300.00	500.00	11.00	A	2	0.1	Nil	Nil	11	Nil	Nil	195	8.9	Nil	I	P	Fair	UP	Fair	
5	500.00	700.00	10.00	Nil	Nil	Nil	Nil	Nil	9	Nil	Nil	2	0.1	Nil	I	P	Fair	P	Fair	
6	700.00	900.00	10.00	Nil	Nil	Nil	Nil	Nil	16	Nil	Nil	80	4.0	Nil	I	P	Fair	UP	Fair	
7	900.00	1100.00	7.5+7.5	A	50	3.3	Nil	Nil	4	Nil	Nil	41	2.7	80	II	UP	Fair	UP	Fair	VIP Road Portion
8	1100.00	1300.00	10.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2	0.1	Nil	I	P	Fair	P	Fair	
9	1300.00	1500.00	10.00	Nil	Nil	Nil	Nil	Nil	Nil	0.5	0.03	Nil	Nil	Nil	I	P	Fair	P	Fair	
10	1500.00	1700.00	10.00	Nil	Nil	Nil	Nil	Nil	7	1.0	0.05	113	5.7	Nil	I	P	Fair	P	Fair	
11	1700.00	1900.00	10.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1	0.1	Nil	I	P	Fair	UP	Bad	
12	1900.00	2100.00	10.00	Nil	Nil	Nil	Nil	Nil	11	2	0.10	72	3.6	Nil	I	P	Fair	UP	Bad	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 40: BHAGYANAGAR TO YASHWANT COLLEGE TO RAILWAY STATION

ROAD INVENTORY : Terrain, Landuse & Geometry

TERRAIN: PLAIN

Sl No.	Chainage (Km)		Land-Use		Carriageway Width (m)	Shoulder				Side Drains				Footpath				Remarks
	From	To	L	R		Left		Right		Left		Right		Left		Right		
						Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	Type	Width	
1	0	100	Res/Com	Res/Com	7.0	UP	1.5	UP	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
2			Res/Com	Res/Com		P	1.5	P	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3	100.00	300.00	Res/Com	Res/Com	15.00	P	2.5	P	2.5	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
4	300.00	500.00	Res/Com	Res/Com	11.00	P	2.0	UP	2.0	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
5	500.00	700.00	Res/Com	Res/Com	10.00	P	1.5	P	1.5	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
6	700.00	900.00	Res/Com	Res/Com	10.00	P	1.5	UP	1.5	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
7	900.00	1100.00	Res/Com	Res/Com	7.5+7.5	UP	2.5	UP	2.5	Covered	1.0	Covered	1.0	Nil	Nil	Nil	Nil	VIP Road Portion
8	#####	1300.00	Res/Com	Res/Com	10.00	P	1.5	P	1.5	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
9	#####	1500.00	Res/Com	Res/Com	10.00	P	2.0	P	2.0	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
10	#####	1700.00	Res/Com	Res/Com	10.00	P	1.5	P	1.5	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
11	#####	1900.00	Res/Com	Res/Com	10.00	P	2.0	UP	2.0	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	
12	#####	2100.00	Res/Com	Res/Com	10.00	P	2.0	UP	2.0	Open	0.5	Open	0.5	Nil	Nil	Nil	Nil	

**CONSULTING ENGINEERING SERVICES (INDIA) PVT. LTD.**  
**4th Floor, Tower-7, Vashi Railway Station Complex, Navi Mumbai - 400703**



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 40: BHAGYANAGAR TO YASHWANT COLLEGE TO RAILWAY STATION**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)								
1	0.00	100.00	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	Nil	Nil	
2									Yes	Yes	Yes			
3	100.00	300.00	Minor	At Grade	Rly Station	260	Transformer	LHS	Yes	Yes	Yes	1	1	
4	300.00	500.00	Nil	Nil	Nil	460	Transformer	LHS	Yes	Yes	Yes	Nil	Nil	
5	500.00	700.00	Nil	Nil	Nil	550	Transformer	LHS	Yes	Yes	Yes	Nil	Nil	
6	700.00	900.00	Nil	Nil	Nil	780/840	Transformer	LHS / RHS	Yes	Yes	Yes	Nil	Nil	
7	900.00	1100.00	Major	At Grade	VIP Road	Nil	Nil	Nil	Yes	Yes	Yes	5	5	VIP Road
8	1100.00	1300.00	Nil	Nil	Nil	1160	Law College	LHS	Yes	Yes	Yes	38	Nil	
9	1300.00	1500.00	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	33	1	
10	1500.00	1700.00	Minor	At Grade	Nil	Nil	Nil	Nil	Yes	Yes	Yes	25	18	
11	1700.00	1900.00	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Yes	Yes	30	29	
12	1900.00	2100.00	Major	At Grade	Bhagya Nagar	Nil	Nil	Nil	Yes	Yes	Yes	26	22	



CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED  
41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005

NAME OF THE ROAD : ROAD NO. 41: GAKUL DAIRY TO DEGLOOR ROAD JUNCTION

ROAD CONDITION SURVEY

STARTING CHAINAGE : EASTERN BYPASS

Sl No.	Chainage (Km)		Carriageway Width	Crack Type	Cracking				Ravelling	Potholes		Patching		Edge Failure	Rut Depth	Shoulder				Remarks
	From	To			(m)	All Crack		Wide > 3mm		(%)	sqm	%	sqm			%	m	Class	Left	
					sqm	%	sqm	%		sqm	%	sqm	%			Type	Condn	Type	Condn	
1	0	200	11.00	Nil	Nil	Nil	Nil	Nil	1.4	Nil	Nil	3.5	0.2	60	I	UP	Bad	UP	Bad	
2	200	400	10.50	A	10	0.5	Nil	Nil	2.9	Nil	Nil	23	1.1	Nil	II	UP	Bad	UP	Bad	
3	400	600	10.50	A	4	0.2	Nil	Nil	1.0	Nil	Nil	28	1.3	100	I	UP	Bad	UP	Bad	
4	600	800	10.80	A	12	0.6	Nil	Nil	1.7	Nil	Nil	12.8	0.6	Nil	I	UP	Bad	UP	Bad	
5	800	1000	10.30	A	6	0.3	Nil	Nil	1.5	0.3	0.01	31.5	1.5	100	I	UP	Bad	UP	Bad	
6	1000	1200	10.50	A	19	0.9	Nil	Nil	2.5	Nil	Nil	29.2	1.4	100	I	UP	Bad	UP	Bad	
7	1200	1400	10.60	A+L	25	1.2	Nil	Nil	1.4	Nil	Nil	62	2.9	100	I	UP	Bad	UP	Bad	
8	1400	1600	10.80	A+L	10	0.4	Nil	Nil	0.9	Nil	Nil	47.5	2.2	100	I	UP	Bad	UP	Bad	
9	1600	1840	11.80	A+L	16	0.6	Nil	Nil	2.6	Nil	Nil	36.3	1.3	80	I	UP	Bad	UP	Bad	





**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 41: GAKUL DAIRY TO DEGLOOR ROAD JUNCTION**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	200	Major	At Grade	Degloor rd	Nil	Nil	Nil	Nil	Nil	Yes	5	5	
2	200	400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	6	17	
3	400	600	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	1	9	
4	600	800	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	1	7	
5	800	1000	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	2	5	
6	1000	1200	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	3	5	
7	1200	1400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	3	4	
8	1400	1600	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	2	6	
9	1600	1840	Minor	At Grade	Radio Center	Nil	Nil	Nil	Nil	Nil	Yes	4	5	



**CONSULTING ENGINEERING SERVICES (INDIA) PRIVATE LIMITED**  
**41 A, MAKER TOWER, CUFFE PARADE, MUMBAI - 400005**

**NAME OF THE ROAD : ROAD NO. 42: DEGLOOR ROAD JUNCTION TO OLD GODWARI RIVER BRIDGE**

**ROAD INVENTORY : Other Information**

Sl No.	Chainage (Km)		Road Junction			Road Side Features			Utilities			Tree Within DP		Remarks
	From	To	Major/Minor	Type	Leading To	Location	Feature	Offsets / Details	Water Mains	Sewer Lines	Power / Tel cables	Left	Right	
						(km)						Left	Right	
1	0	200	Minor	At Grade	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
2	200	400	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	4	Nil	
3	400	600	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
4	600	800	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
5	800	900	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	
6	900	1160	Major	At Grade	Degloor rd	Nil	Nil	Nil	Nil	Nil	Yes	21	22	