

NAME OF WORK- REHABILITATION OF THARAD DEESA ROAD (Km 33+290 TO 60+000 AND KM - 80+600 TO 83+950 (SH-54)

Package No. GSHP-II/NCB/09

Name of Division : State Road Project Division, Vadodara

Comparative Statement

Sl.No.	Item No	Description of Item (with brief specification and reference to Book of Specification	Quantity	Unit	Estimate		M/s Apex Tarmac Pvt Limited,Himatnagar.	
					Rate	Amount in Rs.	Rate	Amount
	<i>Bill No. 1 GENERAL ITEMS</i>							
	1.01	Supply of color record photographs						
1	a)	a) Electronic copy and two colour prints	600.00	Nos	30.0	18000.00	10.00	6000.00
2	b)	b) Additional prints of above coloured	200.00	Nos	20.0	4000.00	10.00	2000.00
3	1.02	Supply of master video cassetts of	5.00	Set	25000.0	125000.00	2500.00	12500.00
		Total General Items carried				147000.00		20500.00
	<i>Bill No. 2 SITE CLEARANCE AND DISMANTLING</i>					0.00		0.00
4	2.01	Clearing and grubbing road land including	16.00	Ha	33077.0	529232.00	2500.00	40000.00
	2.02	Dismantling of existing				0.00		0.00
5		a) Bituminous Pavement(Mec	90.00	Cum	179.0	16110.00	100.00	9000.00
6		b) Non-Bituminous Pavement(Man	175.00	Cum	315.0	55125.00	150.00	26250.00

		Total Site clearance and				600467.00		75250.00
	<i>Bill No. 3 EARTH WORKS</i>					0.00		0.00
7	3.01	Roadway excavation necessary for	7510.00	Cum	28.3	212307.70	25.00	187750.00
8	3.02	Loosening and re-compacting the existing	120.00	Cum	47.0	5640.00	15.00	1800.00
9	3.03	Construction of embankment	73975.00	Cum	169.9	12568352.50	20.00	1479500.00
10	3.04	Construction of road embankment	3755.00	Cum	87.9	329951.85	25.00	93875.00
11	3.05	Construction of road subgrade with	26560.00	Cum	195.5	5191683.20	10.00	265600.00
	Total Earthwork carried to					18307935.25		2028525.00
	<i>Bill No. 4 SUB-BASES, BASES (Non-</i>							
	4.01	Construction of Granular				0.00		0.00
12		a) Coarse Graded Grading – I	14160.00	Cum	1159.2	16414272.00	450.00	6372000.00
13		b) Coarse Graded Grading – II	14010.00	Cum	1233.4	17279513.70	450.00	6304500.00
14		a) Mechanically laid	270.00	Cum	1823.6	492361.20	1500.00	405000.00
	Total Sub-bases, Bases (Non-					34186146.90		13081500.00
	<i>Bill No. 5 BASE AND SURFACE COURSE (Bituminous)</i>							
15	5.01	Providing and applying Primer Coat	580.00	Sqm	43.3	25096.60	25.00	14500.00
16		a) Second coat of Surface Dressing	580.00	Sqm	72.7	42166.00	50.00	29000.00

17	5.03	Providing and spraying additional	180.00	Kg	55.1	9923.40	30.00	5400.00	
18	5.04	Filling pot holes and patches	3320.00	Sqm	269.7	895304.40	250.00	830000.00	
19	5.05	Providing and laying 3mm thick slurry	4710.00	Sqm	79.1	372372.60	50.00	235500.00	
20	5.06	Providing fog spray using Bitumen	385.00	Sqm	53.3	20535.90	25.00	9625.00	
21		a)2.00 to 2.50 Kg / 10 Sqm	683155.0	Sqm	9.6	6578782.65	8.00	5465240.00	
22		b) 2.50 to 3.00 Kg / 10 Sqm	3945.00	Sqm	11.8	46629.90	10.00	39450.00	
23	5.08	Variation of quantity of bitumenous	34360.00	Kg	39.8	1366153.60	5.00	171800.00	
24	5.09	Providing Profile Corrective	6348.00	Cum	6411.2	40698361.08	5100.00	32374800.00	
25	5.10	Providing and laying 50mm Bense	12414.00	Cum	7843.7	97371443.52	6500.00	80691000.00	
26	5.11	Providing and laying 30mm thick	6900.00	Cum	9032.7	62325837.00	7300.00	50370000.00	
27	5.12	Variation of quantity of binder (VG-30	117560.0	Kg	57.6	6767929.20	5.00	587800.00	
		Total Base and Surface Course (Bitumenous)				216520535.85		170824115.00	
		<i>Bill No. 6 STRUCTURES (C D works / MNBR / MJBR)</i>							
		REPAIRS AND REHABILITATION					0.00		0.00
	6.01	Dismantling of existing				0.00		0.00	
28		a) Plain cement concrete / R C C	20.00	Cum	283.0	5660.00	100.00	2000.00	

29		b) Stone/ Brick masonry	155.00	Cum	194.0	30070.00	100.00	15500.00
30		c) Guide/Hand rails	40.00	Rmt	47.0	1880.00	100.00	4000.00
31		d) Footpath / Median Kerb	200.00	Rmt	9.0	1800.00	10.00	2000.00
32		e) NP 3 pipes / NP 4 pipes	25.00	Rmt	92.0	2300.00	200.00	5000.00
33		f) Spalling of Concrete	110.00	Sqm	9.0	990.00	10.00	1100.00
34		g) Interlocking / Chequered tiles / tiles	225.00	Sqm	98.0	22050.00	15.00	3375.00
35		a) Ordinary Soil / Hard Soil	290.00	Cum	113.0	32770.00	50.00	14500.00
36		b) Ordinary rock/soft rock (not require	25.00	Cum	160.0	4000.00	70.00	1750.00
37	6.03	Providing and laying granular material for	36.00	Cum	422.8	15221.16	400.00	14400.00
38	6.04	Providing Plain Cement Concrete M15	1569.00	Cum	4252.0	6671388.00	3000.00	4707000.00
39	6.05	Reinforced concrete / PCC Grade M20 in	30.00	Cum	5124.0	153720.00	4000.00	120000.00
	6.06	Providing, laying and jointing RC NP-				0.00		0.00
40		a) Diameter 900 mm	30.00	Rmt	5005.0	150150.00	2800.00	84000.00
41		b) Diameter 1200 mm	10.00	Rmt	6249.0	62490.00	4500.00	45000.00
42	6.07	Providing and filling at the back of	215.00	Cum	386.0	82990.00	50.00	10750.00

43	6.08	Epoxy bonding of new concrete to old	300.00	Sqm	498.0	149400.00	300.00	90000.00
44	6.09	Reinforced concrete / PCC Grade M25 in	5.00	Cum	6178.0	30890.00	4500.00	22500.00
45	6.10	Providing and fixing in position	4.65	MT	71828.0	334000.20	54000.00	251100.00
46	6.11	Providing and fixing in position 20mm	40.00	Rmt	443.0	17720.00	600.00	24000.00
47	6.12	Providing drainage spout complete as	80.00	Nos	851.0	68080.00	850.00	68000.00
48	6.13	Providing weep holes in BB masonry/Plai	50.00	Nos	101.0	5050.00	100.00	5000.00
49	6.14	RR Stone Masonry work in Cement	135.00	Cum	2801.0	378135.00	2800.00	378000.00
50	6.15	Brick masonry work in cement mortar	155.00	Cum	4886.0	757330.00	3400.00	527000.00
51	6.16	Filter media beneath the pitching/revet	45.00	Cum	562.0	25290.00	250.00	11250.00
52	6.17	Pitching/revetment on slopes with	25.00	Cum	4337.0	108425.00	3200.00	80000.00
53	6.18	Providing and laying floorig complete as	180.00	Cum	3919.0	705420.00	3000.00	540000.00
54	6.19	Repairs to spalling and patches by	120.00	Sqm	1768.3	212198.40	1250.00	150000.00
55	6.21	Plastering with cement mortar (1:3) on brick	715.00	Sqm	96.0	68640.00	150.00	107250.00
56	6.22	Providing, fixing and erecting 50mm	40.00	Rmt	2291.0	91640.00	850.00	34000.00
57	6.23	Providing and applying two coats of ready	45.00	Sqm	50.0	2250.00	50.00	2250.00

58	6.24	Providing and erecting flood gauge post on	10.00	Nos	3231.6	32316.40	2500.00	25000.00
59	6.25	Construction of R C C railing of M30 grade	40.00	Rmt	1778.0	71120.00	2500.00	100000.00
60	6.26	Providing and casting in situ cement	45.00	Cum	6096.2	274327.65	4000.00	180000.00
61	6.27	Cleaning choked HP/Slab/Box	585.00	Rmt	35.4	20697.30	50.00	29250.00
62	6.28	Levelling and dressing over area at inlet	1720.00	Sqm	22.3	38287.20	15.00	25800.00
63	6.29	Painting and lettering over Cross	56.00	Nos	100.9	5649.28	100.00	5600.00
		Total Structures				10634345.59		7686375.00
		<i>Bill No. / DRAINAGE AND PROTECTION WORKS</i>						
	7.01	Construction of median				0.00		0.00
64		a) Kerb	100.00	Rmt	240.0	24000.00	350.00	35000.00
65		b) Kerb Channel	100.00	Rmt	447.0	44700.00	400.00	40000.00
	7.02	Providing, laying and				0.00		0.00
66		a) Diameter 450 mm	60.00	Rmt	1050.0	63000.00	1000.00	60000.00
67		b) Diameter 600 mm	20.00	Rmt	1681.0	33620.00	1600.00	32000.00
68	7.03	Construction of Manhole including	4.00	Nos	4114.0	16456.00	5000.00	20000.00
69	7.04	Providing and fixing M S grill Manhole cover	100.00	Kg	74.0	7400.00	65.00	6500.00

70	7.05	Providing and laying interlocking C	87.00	Sqm	460.0	40023.48	525.00	45675.00
71	7.06	Painting on concrete surface by	390.00	Sqm	58.0	22620.00	50.00	19500.00
		Total Drainage and Protection				251819.48		258675.00
		<i>BILL NO. 6 TRAFFIC SIGNAGE AND ROAD APPURTENANCES</i>				0.00		0.00
72	8.01	Metal Beam Crash Barrier Providing and	2250.00	Rmt	3182.0	7159500.00	2200.00	4950000.00
73	i)	Facility information / Cheverone	10.00	Nos	4748.0	47480.00	4300.00	43000.00
74	ii)	Advance direction sign 2240 mm x	118.00	Nos	44593.0	5261974.00	17000.00	2006000.00
75	iii)	Route marker sign 450 mm x 600	24.00	Nos	3477.0	83448.00	3000.00	72000.00
76	iv)	Four / Two lane Ahead sign 1200mm	4.00	Nos	35796.0	143184.00	15000.00	60000.00
77	v)	Village name board / Bump Ahead board	192.00	Nos	11022.0	2116224.00	4000.00	768000.00
78	i)	Triangular 900 mm side complete as	211.00	Nos	3961.0	835771.00	3500.00	738500.00
79	ii)	Low level Hazard Marker 900mmx300m	8.00	Nos	6061.0	48488.00	4000.00	32000.00
80	iii)	Providing and fixing sign board made	100.00	Nos	1161.0	116100.00	800.00	80000.00
81	i)	Triangular 900mm side (for 'GIVE WAY	90.00	Nos	3961.0	356490.00	3500.00	315000.00
82	ii)	Stop sign - Octagone of size 900mm	4.00	Nos	5909.0	23636.00	5000.00	20000.00
83	iii)	Speed limit, compulsory keep left	36.00	Nos	3556.0	128016.00	3200.00	115200.00

84		Providing and fixing sign boards made	40.00	Nos	14155.0	566200.00	11000.00	440000.00
85		Supplying and fixing Jumbo bollard (High	40.00	Nos	4950.0	198000.00	4500.00	180000.00
86		a) CENTER LINE / EDGE MRKING.	11010.00	Sqm	383.0	4216830.00	280.00	3082800.00
87		i) Straight arrows	65.00	Sqm	421.3	27384.50	300.00	19500.00
88		ii) Left / Right arrows	75.00	Sqm	476.1	35704.50	300.00	22500.00
89	i)	HECTOMETER STONES(PRE	120.00	Nos	477.0	57240.00	225.00	27000.00
90	ii)	KILOMETER STONES(PRE CAST)	25.00	Nos	1645.0	41125.00	1500.00	37500.00
91	iii)	5th KILOMETER STONES(PRE	5.00	Nos	2688.0	13440.00	2000.00	10000.00
92	iv)	Indicator stone	1988.00	Nos	469.9	934141.32	225.00	447300.00
93	i)	HECTOMETER STONES	4.00	Nos	179.8	719.04	10.00	40.00
94	ii)	KILOMETER STONES	5.00	Nos	465.0	2324.80	10.00	50.00
95	iii)	5th KILOMETER STONES	1.00	Nos	908.3	908.30	10.00	10.00
96		a) Long delineators at start & end of	54.00	Nos	1006.0	54324.00	1000.00	54000.00
97		b) Median Delineators (short on along	112.00	Nos	160.0	17920.00	150.00	16800.00
98		c) Supplying and fixing R C C M20	560.00	Nos	982.8	550362.40	800.00	448000.00

99	8.07	Providing and fixing of rod stud 100 x	2874.00	Nos	603.0	1733022.00	500.00	1437000.00
100	8.08	Providing and constructing raised Rumble	957.00	Rmt	62.5	59812.50	50.00	47850.00
101	8.09	Providing fitting and fixing mild	40.00	Rmt	3425.0	137000.00	3000.00	120000.00
102	8.1	Construction of raised pedestrain	50.00	Rmt	4394.3	219715.00	4000.00	200000.00
103	8.11	Supplying and erecting MNES certified	23.00	Nos	34000.0	782000.00	29000.00	667000.00
104	8.12	Providing and fixing Aluminium	57.00	Sqm	5350.0	304950.00	4000.00	228000.00
105		a) For tree up to avg. girth 450 mm.	5500.00	Nos	5.5	30470.00	5.00	27500.00
106		b) For tree above avg. girth 450 mm.	3500.00	Nos	11.1	38780.00	10.00	35000.00
		Total Traffic Signaage and Road				26342684.36		16747550.00
		<i>Bill No. 9 SAFETY IN ROAD CONSTRUCTION</i>				0.00		0.00
	9.01	Supplying and fixing sign				0.00		0.00
107		a) Octagonal 900x 900 mm	4.00	Nos	7153.0	28612.00	5000.00	20000.00
108		b) Circular 600 dia	4.00	Nos	1160.0	4640.00	3000.00	12000.00
109		c) Informatory signs as per drawing	8.00	Nos	3670.0	29360.00	3500.00	28000.00
110		d) Cautionary warning signs (Triangular	12.00	Nos	6061.0	72732.00	4000.00	48000.00
111	9.02	Providing of red fluorescent with white	30.00	Nos	244.0	7320.00	225.00	6750.00

112	9.03	Installation of a steel portable	12.00	Nos	2963.0	35556.00	2500.00	30000.00
113	9.04	Providing Barricading/ Caution Tapes of	2000.00	Rmt	1.0	2000.00	1.00	2000.00
		Total Safety road				180220.00		146750.00
114	10.01	Construction of Recharge pits within the	16.00	Nos	18000.0	288000.00	15000.00	240000.00
115	10.02	Construction of silt traps at the discharge	500.00	Rmt	900.0	450000.00	900.00	450000.00
116	10.03	Periodic air quality monitoring	12.00	Nos	7500.0	90000.00	7000.00	84000.00
117	10.05	Noise quality monitoring at specified silent	12.00	Nos	3000.0	36000.00	2500.00	30000.00
118	10.06	Redevelopment of Borrow Area	100535.0	Smt	4.0	402140.00	1.00	100535.00
119		a) IEC materials – printing,	6.00	set	3000.0	18000.00	3000.00	18000.00
120		b) Healthcare clinic	4.00	Nos	30000.0	120000.00	20000.00	80000.00
121		c) Condom vending machines	1.00	Nos	15000.0	15000.00	10000.00	10000.00
122		d) Condom supplies (Refillinig	6.00	Refillinig	3000.0	18000.00	500.00	3000.00
123		e) Testing (All required test per person)	75.00	Per Person	1500.0	112500.00	500.00	37500.00
124		f) Signages and hoardings	5.00	set	15000.0	75000.00	2500.00	12500.00
		Total Implementation of				1624640.00		1065535.00

	<i>Bill No. 11 MAINTENANCE</i>					0.00		0.00
125	11.01	Maintenance of project road for first year	30.06	per km	40000.0	1202400.00	5000.00	150300.00
126	11.02	Maintenance of project road for second	30.06	per km	50000.0	1503000.00	10000.00	300600.00
		Total Maintenance carried to				2705400.00		450900.00
		Total cost of Construction				311501194.43		212385675.00
Offered REBATE %								2.00%
REBATE AMOUNT								4247713.50
NET AMOUNT								20,81,37,961.50