

Specification report to accompany the estimate for the work of Forming the New road from Keelur to Vadugammelur KM 0/000- 23/625

1.1 Objectives of Pradhan Mantri Gram Sadak Yojana (PMGSY)

Rural Road connectivity is a key component of rural development by promoting access to economic and social services and thereby generating increased agricultural incomes and productive employment opportunities. It is also a key ingredient in ensuring poverty reduction.

It was against this background of poor connectivity that the Prime Minister announced in 2000, a massive rural roads program. The Prime Minister's Rural Road Program (Pradhan Mantri Gram Sadak Yojana, PMGSY) set a target of:

- Achieving all-weather road access to every village/habitation with a population greater than 1000 by 2003
- Providing all-weather road access to all villages/habitations of population greater than 500 people [250 in case of hill States (North-Eastern states, Sikkim, Himachal Pradesh, Jammu & Kashmir and Uttaranchal), the desert areas and tribal areas] by the end of the Tenth Five Year Plan, i.e., 2007

1.2 All Weather Road

All Weather road is a road that's motorable all year by the prevailing means of rural transport. There will no interruption of traffic during the construction of the project road.

1.3 Core Network

The rural road network required for providing the 'basic access' to all villages/ habitations is termed as the Core Network. Basic access is defined as one all-weather road access from each village/ habitation to the nearby Market Centre or Rural Business Hub (RBH) and essential social and economic services.

A Core Network comprises of Through Routes and Link Routes. Through routes are the ones which collect traffic from several link roads or a long chain of habitations and lead it to a market centre or a higher category road, i.e. the District Roads or the State or National

Highways. Link Routes are the roads connecting a single habitation or a group of habitations to Through Roads or District Roads leading to Market Centres.

Link Routes generally have dead ends terminating on habitations, while Through Routes arise from the confluence of two or more Link Routes and emerge on to a major road or to a Market Centre.

The Core Network may not represent the most convenient or economic route for all purposes. However, since studies show 85-90% of rural trips are to market centres, the Core Network is likely to be a cost-effective conceptual frame work for investment and management purposes, particularly in the context of scarce resources.

The Sub-project road Keelur to Vadugammalur Road (Km 0/0 - 23/625) is a link road with Code L022 in Vennandur block of Namakkal District. This road directly connects the habitations of Vadugammalur Road (Km 0/0 - 23/625) with populations of 956 Thus this link road serves the total population of 956

Namakkal district covers an area of 3363 Sq.km. Namakkal district is bound by Salem district on the north side, on the east side by Attur taluk of Salem district, Perambalur and Tiruchirapalli Districts by Karur district on the south side and on the west side by Erode district.

This district is located at 11° 00' and 12 ° 00' North latitude and 77 ° 40' and 78°05' East longitude

1.5 Climatic Condition

Namakkal District comes under the North Western Agro climatic zone of Tamil Nadu Bodhamalai hills is a agricultural area in Namakkal district.

1.6 The Sub-Project Road

The road passes through Hill terrain

District: : Namakkal

Block: : Vennandur

Road Name: : Keelur to Vadugammalur Road (Km 0/0 - 23/625)

Road Code: : L022

Package No: : TN - 10 - 72

Road Length: : 23/625 Km

Start Point: : Keelur

End Point: : Vadugammelur Road (Km 0/0 - 23/625)

S.no	Habitation Benefitted	Population Benefitted		Chainage	
		Direct	Indirect	From	To
1	Keelur to Vadugammelur	956	0	0	23625


FOREST ENGINEER-
TIRUCHIRAPPALLI

ABSTRACT

Name of the Work: Forming of the New road from Keelur to Vadugammalur KM 0/000- 23/625

Estimate Amount: 201397000

S.No	Qty	Details of Work	Rate	Unit	Amount
1	85050.00	Clearing and grubbing road land	8.50	Sqm	722925
2		Excavation in soil using hydraulic excavator and tippers with disposal upto 1000 m			
	2716.60	Km 0/000- 1/000	31.52	Cum	85628
	5559.45	Km 1/000- 2/000	31.52	Cum	175234
	15597.91	Km 2/000-3/000	31.52	Cum	491646
	4643.57	Km 3/000- 4/000	31.52	Cum	146365
	4781.30	Km 4/000- 5/000	31.52	Cum	150706
	4161.01	Km 5/000- 6/000	31.52	Cum	131155
	7313.06	Km 6/000- 7/000	31.52	Cum	230508
	6040.41	Km 7/000- 8/000	31.52	Cum	190394
	7192.05	Km 8/000- 9/000	31.52	Cum	226693
	7340.99	Km 9/000- 10/000	31.52	Cum	231388
	4367.41	Km 10/000- 11/000	31.52	Cum	137661
	5264.95	Km 11/000- 12/000	31.52	Cum	165951
	5826.91	Km 12/000- 13/000	31.52	Cum	183664
	11035.38	Km 13/000- 14/000	31.52	Cum	347835
	4722.25	Km 14/000- 15/000	31.52	Cum	148845
	6692.96	Km 15/000- 16/000	31.52	Cum	210962
	9116.00	Km 16/000- 17/000	31.52	Cum	287336
	2490.69	Km 17/000- 18/000	31.52	Cum	78506
	4829.39	Km 18/000- 19/000	31.52	Cum	152222
	4153.49	Km 19/000- 20/000	31.52	Cum	130918
	6729.36	Km 20/000- 21/000	31.52	Cum	212110
	10982.90	Km 21/000- 22/000	31.52	Cum	346181
	8414.53	Km 22/000- 23/000	31.52	Cum	265226
	3631.54	Km 23/000- 23/625	31.52	Cum	114466
3		Construction of Embankment with Material obtained from Roadway Cutting			
	2716.62	Km 0/000- 1/000	49.79	Cum	135260
	5559.45	Km 1/000- 2/000	49.79	Cum	276805
	10365.15	Km 2/000-3/000	49.79	Cum	516081
	4643.57	Km 3/000- 4/000	49.79	Cum	231203
	4781.30	Km 4/000- 5/000	49.79	Cum	238061
	4161.01	Km 5/000- 6/000	49.79	Cum	207177
	7025.90	Km 6/000- 7/000	49.79	Cum	349820
	6040.41	Km 7/000- 8/000	49.79	Cum	300752
	7192.05	Km 8/000- 9/000	49.79	Cum	358092
	4985.75	Km 9/000- 10/000	49.79	Cum	248240
	4367.41	Km 10/000- 11/000	49.79	Cum	217453
	3860.15	Km 11/000- 12/000	49.79	Cum	192197
	5826.91	Km 12/000- 13/000	49.79	Cum	290122
	2320.05	Km 13/000- 14/000	49.79	Cum	115515
	3963.83	Km 14/000- 15/000	49.79	Cum	197359
	6330.80	Km 15/000- 16/000	49.79	Cum	315211
	9116.00	Km 16/000- 17/000	49.79	Cum	453885

	2490.69	Km17/000- 18/000	49.79	Cum	124011
	2261.25	Km 18/000- 19/000	49.79	Cum	112588
	3003.70	Km 19/000- 20/000	49.79	Cum	149554
	4039.60	Km 20/000- 21/000	49.79	Cum	201132
	5253.75	Km 21/000- 22/000	49.79	Cum	261584
	5233.63	Km 22/000- 23/000	49.79	Cum	260582
	2631.19	Km 23/000- 23/625	49.79	Cum	131007
4		Construction of Subgrade, Earthen Shoulders			
	132.85	Km 0/000- 1/000	123.10	Cum	16354
	7163.12	Km 1/000- 2/000	123.10	Cum	881780
	0.00	Km 2/000-3/000	123.10	Cum	0
	4684.43	Km 3/000- 4/000	123.10	Cum	576653
	180.05	Km 4/000- 5/000	123.10	Cum	22164
	3239.74	Km 5/000- 6/000	123.10	Cum	398812
	0.00	Km 6/000- 7/000	123.10	Cum	0
	2116.35	Km 7/000- 8/000	123.10	Cum	260522
	220.86	Km 8/000- 9/000	123.10	Cum	27187
	0.00	Km 9/000- 10/000	123.10	Cum	0
	152.15	Km 10/000- 11/000	123.10	Cum	18729
	0.00	Km 11/000- 12/000	123.10	Cum	0
	2203.42	Km 12/000- 13/000	123.10	Cum	271240
	0.00	Km 13/000- 14/000	123.10	Cum	0
	0.00	Km 14/000- 15/000	123.10	Cum	0
	0.00	Km 15/000- 16/000	123.10	Cum	0
	192.63	Km 16/000- 17/000	123.10	Cum	23713
	2085.19	Km17/000- 18/000	123.10	Cum	256687
	0.00	Km 18/000- 19/000	123.10	Cum	0
	0.00	Km 19/000- 20/000	123.10	Cum	0
	0.00	Km 20/000- 21/000	123.10	Cum	0
	0.00	Km 21/000- 22/000	123.10	Cum	0
	0.00	Km 22/000- 23/000	123.10	Cum	0
	0.00	Km 23/000- 23/625	123.10	Cum	0
5		Excavation for roadway in hard rock			
	1164.26	Km 0/000- 1/000	375.86	Cum	437600
	2382.62	Km 1/000- 2/000	375.86	Cum	895532
	6684.82	Km 2/000-3/000	375.86	Cum	2512556
	1990.1	Km 3/000- 4/000	375.86	Cum	748000
	2049.13	Km 4/000- 5/000	375.86	Cum	770185
	1783.29	Km 5/000- 6/000	375.86	Cum	670267
	3134.17	Km 6/000- 7/000	375.86	Cum	1178008
	2588.75	Km 7/000- 8/000	375.86	Cum	973006
	3082.31	Km 8/000- 9/000	375.86	Cum	1158515
	3146.14	Km 9/000- 10/000	375.86	Cum	1182507
	1871.75	Km 10/000- 11/000	375.86	Cum	703514
	2256.41	Km 11/000- 12/000	375.86	Cum	848092
	2497.25	Km 12/000- 13/000	375.86	Cum	938615
	4729.45	Km 13/000- 14/000	375.86	Cum	1777610
	2023.82	Km 14/000- 15/000	375.86	Cum	760674

	2868.41	Km 15/000- 16/000	375.86	Cum	1078122
	3906.86	Km 16/000- 17/000	375.86	Cum	1468431
	1067.44	Km17/000- 18/000	375.86	Cum	401207
	2069.74	Km 18/000- 19/000	375.86	Cum	777932
	1780.07	Km 19/000- 20/000	375.86	Cum	669055
	2884.01	Km 20/000- 21/000	375.86	Cum	1083985
	4706.96	Km 21/000- 22/000	375.86	Cum	1769156
	3606.23	Km 22/000- 23/000	375.86	Cum	1355436
	1556.37	Km 23/000- 23/625	375.86	Cum	584979
6		Gravel Shoulder- Construction of Embankment			
	436.50	Km 0/000- 1/000	411.89	Cum	179790
	450.00	Km 1/000- 2/000	431.31	Cum	194090
	450.00	Km 2/000-3/000	450.73	Cum	202829
	450.00	Km 3/000- 4/000	470.15	Cum	211568
	450.00	Km 4/000- 5/000	489.57	Cum	220307
	450.00	Km 5/000- 6/000	508.99	Cum	229046
	450.00	Km 6/000- 7/000	528.4	Cum	237780
	450.00	Km 7/000- 8/000	547.82	Cum	246519
	450.00	Km 8/000- 9/000	564.53	Cum	254039
	450.00	Km 9/000- 10/000	581.23	Cum	261554
	450.00	Km 10/000- 11/000	597.93	Cum	269069
	450.00	Km 11/000- 12/000	614.64	Cum	276588
	432.00	Km 12/000- 13/000	631.34	Cum	272739
	450.00	Km 13/000- 14/000	648.05	Cum	291623
	450.00	Km 14/000- 15/000	664.75	Cum	299138
	450.00	Km 15/000- 16/000	681.45	Cum	306653
	450.00	Km 16/000- 17/000	698.16	Cum	314172
	450.00	Km17/000- 18/000	714.86	Cum	321687
	450.00	Km 18/000- 19/000	731.57	Cum	329207
	450.00	Km 19/000- 20/000	748.27	Cum	336722
	450.00	Km 20/000- 21/000	764.97	Cum	344237
	450.00	Km 21/000- 22/000	781.68	Cum	351756
	450.00	Km 22/000- 23/000	798.38	Cum	359271
	281.25	Km 23/000- 23/625	798.38	Cum	224544
7		Granular SubBase- Gr. III			
	345.15	Km 0/000- 1/000	1305.73	Cum	450673
	350.25	Km 1/000- 2/000	1323.01	Cum	463384
	357.15	Km 2/000-3/000	1340.29	Cum	478685
	342.15	Km 3/000- 4/000	1357.57	Cum	464493
	342.15	Km 4/000- 5/000	1374.85	Cum	470405
	342.15	Km 5/000- 6/000	1392.13	Cum	476317
	342.15	Km 6/000- 7/000	1409.41	Cum	482230
	342.15	Km 7/000- 8/000	1426.69	Cum	488142
	342.15	Km 8/000- 9/000	1443.97	Cum	494054
	338.1	Km 9/000- 10/000	1461.25	Cum	494049
	338.1	Km 10/000- 11/000	1478.53	Cum	499891
	338.1	Km 11/000- 12/000	1495.81	Cum	505733
	329.33	Km 12/000- 13/000	1513.09	Cum	498306

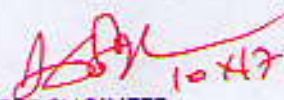
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	340.69	Km 14/000- 15/000	1547.65	Cum	527269
	338.1	Km 15/000- 16/000	1564.93	Cum	529103
	338.1	Km 16/000- 17/000	1582.21	Cum	534945
	342.15	Km 17/000- 18/000	1599.49	Cum	547266
	338.2	Km 18/000- 19/000	1616.77	Cum	546792
	342.43	Km 19/000- 20/000	1634.05	Cum	559548
	340.11	Km 20/000- 21/000	1650.25	Cum	561267
	350.23	Km 21/000- 22/000	1666.45	Cum	583641
	342.97	Km 22/000- 23/000	1682.65	Cum	577098
	217.73	Km 23/000- 23/625	1682.65	Cum	366363
8		Water Bound Macadam- II			
	237.04	Km 0/000- 1/000	1602.71	Cum	379906
	240.19	Km 1/000- 2/000	1625.04	Cum	390318
	245.36	Km 2/000-3/000	1647.37	Cum	404199
	234.11	Km 3/000- 4/000	1669.71	Cum	390896
	234.11	Km 4/000- 5/000	1692.04	Cum	396123
	234.11	Km 5/000- 6/000	1714.38	Cum	401354
	234.11	Km 6/000- 7/000	1736.71	Cum	406581
	234.11	Km 7/000- 8/000	1759.04	Cum	411809
	234.11	Km 8/000- 9/000	1780.69	Cum	416877
	231.08	Km 9/000- 10/000	1802.34	Cum	416485
	231.08	Km 10/000- 11/000	1823.99	Cum	421488
	231.08	Km 11/000- 12/000	1845.63	Cum	426488
	225.40	Km 12/000- 13/000	1867.28	Cum	420885
	229.22	Km 13/000- 14/000	1888.93	Cum	432981
	233.02	Km 14/000- 15/000	1910.58	Cum	445203
	231.08	Km 15/000- 16/000	1932.22	Cum	446497
	231.08	Km 16/000- 17/000	1953.87	Cum	451500
	234.11	Km 17/000- 18/000	1975.52	Cum	462489
	231.15	Km 18/000- 19/000	1997.17	Cum	461646
	234.32	Km 19/000- 20/000	2018.82	Cum	473050
	232.58	Km 20/000- 21/000	2039.37	Cum	474317
	240.17	Km 21/000- 22/000	2059.93	Cum	494733
	234.72	Km 22/000- 23/000	2080.49	Cum	488333
	149.23	Km 23/000- 23/625	2080.49	Cum	310472
9		Water Bound Macadam- III			
	237.04	Km 0/000- 1/000	1890.82	Cum	448200
	240.19	Km 1/000- 2/000	1913.15	Cum	459519
	245.36	Km 2/000-3/000	1935.48	Cum	474889
	234.11	Km 3/000- 4/000	1957.82	Cum	458345
	234.11	Km 4/000- 5/000	1980.15	Cum	463573
	234.11	Km 5/000- 6/000	2002.48	Cum	468801
	234.11	Km 6/000- 7/000	2024.82	Cum	474031
	234.11	Km 7/000- 8/000	2047.15	Cum	479258
	234.11	Km 8/000- 9/000	2068.8	Cum	484327
	231.08	Km 9/000- 10/000	2090.45	Cum	483061
	231.08	Km 10/000- 11/000	2112.1	Cum	488064

	231.08	Km 11/000- 12/000	2133.74	Cum	493065
	225.40	Km 12/000- 13/000	2155.39	Cum	485825
	229.22	Km 13/000- 14/000	2177.04	Cum	499021
	233.02	Km 14/000- 15/000	2198.69	Cum	512339
	231.08	Km 15/000- 16/000	2220.33	Cum	513074
	231.08	Km 16/000- 17/000	2241.98	Cum	518077
	234.11	Km 17/000- 18/000	2263.63	Cum	529938
	231.15	Km 18/000- 19/000	2285.28	Cum	528242
	234.32	Km 19/000- 20/000	2306.92	Cum	540557
	232.58	Km 20/000- 21/000	2327.48	Cum	541325
	240.17	Km 21/000- 22/000	2348.04	Cum	563929
	234.72	Km 22/000- 23/000	2368.60	Cum	555958
	149.23	Km 23/000- 23/625	2368.60	Cum	353466
10		Primer Coat			
	3160.50	Km 0/000- 1/000	64.51	Sqm	203884
	3202.50	Km 1/000- 2/000	64.51	Sqm	206593
	3271.50	Km 2/000-3/000	64.51	Sqm	211044
	3121.50	Km 3/000- 4/000	64.51	Sqm	201368
	3121.50	Km 4/000- 5/000	64.51	Sqm	201368
	3121.50	Km 5/000- 6/000	64.51	Sqm	201368
	3121.50	Km 6/000- 7/000	64.51	Sqm	201368
	3121.50	Km 7/000- 8/000	64.51	Sqm	201368
	3121.50	Km 8/000- 9/000	64.51	Sqm	201368
	3081.00	Km 9/000- 10/000	64.51	Sqm	198755
	3081.00	Km 10/000- 11/000	64.51	Sqm	198755
	3081.00	Km 11/000- 12/000	64.51	Sqm	198755
	3005.33	Km 12/000- 13/000	64.51	Sqm	193874
	3056.28	Km 13/000- 14/000	64.51	Sqm	197161
	3106.92	Km 14/000- 15/000	64.51	Sqm	200427
	3081.00	Km 15/000- 16/000	64.51	Sqm	198755
	3081.00	Km 16/000- 17/000	64.51	Sqm	198755
	3121.50	Km 17/000- 18/000	64.51	Sqm	201368
	3081.98	Km 18/000- 19/000	64.51	Sqm	198819
	3124.28	Km 19/000- 20/000	64.51	Sqm	201547
	3101.10	Km 20/000- 21/000	64.51	Sqm	200052
	3202.32	Km 21/000- 22/000	64.51	Sqm	206582
	3129.66	Km 22/000- 23/000	64.51	Sqm	201894
	1989.75	Km 23/000- 23/625	64.51	Sqm	128359
11		Tack Coat			
	3160.50	Km 0/000- 1/000	12.66	Sqm	40012
	3202.50	Km 1/000- 2/000	12.66	Sqm	40544
	3271.50	Km 2/000-3/000	12.66	Sqm	41417
	3121.50	Km 3/000- 4/000	12.66	Sqm	39518
	3121.50	Km 4/000- 5/000	12.66	Sqm	39518
	3121.50	Km 5/000- 6/000	12.66	Sqm	39518
	3121.50	Km 6/000- 7/000	12.66	Sqm	39518
	3121.50	Km 7/000- 8/000	12.66	Sqm	39518
	3121.50	Km 8/000- 9/000	12.66	Sqm	39518

	3081.00	Km 9/000- 10/000	12.66	Sqm	39005
	3081.00	Km 10/000- 11/000	12.66	Sqm	39005
	3081.00	Km 11/000- 12/000	12.66	Sqm	39005
	3005.33	Km 12/000- 13/000	12.66	Sqm	38047
	3056.28	Km 13/000- 14/000	12.66	Sqm	38693
	3106.92	Km 14/000- 15/000	12.66	Sqm	39334
	3081.00	Km 15/000- 16/000	12.66	Sqm	39005
	3081.00	Km 16/000- 17/000	12.66	Sqm	39005
	3121.50	Km17/000- 18/000	12.66	Sqm	39518
	3081.98	Km 18/000- 19/000	12.66	Sqm	39018
	3124.28	Km 19/000- 20/000	12.66	Sqm	39553
	3101.10	Km 20/000- 21/000	12.66	Sqm	39260
	3202.32	Km 21/000- 22/000	12.66	Sqm	40541
	3129.66	Km 22/000- 23/000	12.66	Sqm	39621
	1989.75	Km 23/000- 23/625	12.66	Sqm	25190
12		Premix carpet			
	3160.50	Km 0/000- 1/000	182.66	Sqm	577297
	3202.50	Km 1/000- 2/000	183.05	Sqm	586218
	3271.50	Km 2/000-3/000	183.44	Sqm	600124
	3121.50	Km 3/000- 4/000	183.83	Sqm	573825
	3121.50	Km 4/000- 5/000	184.21	Sqm	575012
	3121.50	Km 5/000- 6/000	184.6	Sqm	576229
	3121.50	Km 6/000- 7/000	184.99	Sqm	577446
	3121.50	Km 7/000- 8/000	185.38	Sqm	578664
	3121.50	Km 8/000- 9/000	185.77	Sqm	579881
	3081.00	Km 9/000- 10/000	186.16	Sqm	573559
	3081.00	Km 10/000- 11/000	186.55	Sqm	574761
		Control Section			
	3081.00	Km 11/000- 12/000	157.35	Sqm	484795
	3005.33	Km 12/000- 13/000	157.74	Sqm	474061
		Cold Mix- Bitchem			
	3056.28	Km 13/000- 14/000	163.08	Sqm	498418
	3106.92	Km 14/000- 15/000	163.47	Sqm	507888
	3081.00	Km 15/000- 16/000	163.86	Sqm	504853
	3081.00	Km 16/000- 17/000	164.25	Sqm	506054
	3121.50	Km17/000- 18/000	164.64	Sqm	513924
	3081.98	Km 18/000- 19/000	165.03	Sqm	508619
	3124.28	Km 19/000- 20/000	165.41	Sqm	516787
	3101.10	Km 20/000- 21/000	165.78	Sqm	514100
	3202.32	Km 21/000- 22/000	166.14	Sqm	532033
	3129.66	Km 22/000- 23/000	166.51	Sqm	521120
	1989.75	Km 23/000- 23/625	166.51	Sqm	331313
13		Seal Coat			
	3160.50	Km 0/000- 1/000	76.95	Sqm	243200
	3202.50	Km 1/000- 2/000	77.08	Sqm	246849
	3271.50	Km 2/000-3/000	77.21	Sqm	252593
	3121.50	Km 3/000- 4/000	77.34	Sqm	241417
	3121.50	Km 4/000- 5/000	77.47	Sqm	241823

	3121.50	Km 5/000- 6/000	77.6	Sqm	242228
	3121.50	Km 6/000- 7/000	77.73	Sqm	242634
	3121.50	Km 7/000- 8/000	77.86	Sqm	243040
	3121.50	Km 8/000- 9/000	77.98	Sqm	243415
	3081.00	Km 9/000- 10/000	78.11	Sqm	240657
	3081.00	Km 10/000- 11/000	78.24	Sqm	241057
	Control Section				
	3081.00	Km 11/000- 12/000	62.57	Sqm	192778
	3005.33	Km 12/000- 13/000	62.70	Sqm	188434
	Cold Mix- Bitchem				
	3056.28	Km 13/000- 14/000	67.21	Sqm	205413
	3106.92	Km 14/000- 15/000	67.33	Sqm	209189
	3081.00	Km 15/000- 16/000	67.46	Sqm	207844
	3081.00	Km 16/000- 17/000	67.59	Sqm	208245
	3121.50	Km 17/000- 18/000	67.72	Sqm	211388
	3081.98	Km 18/000- 19/000	67.85	Sqm	209112
	3124.28	Km 19/000- 20/000	67.98	Sqm	212389
	3101.10	Km 20/000- 21/000	68.1	Sqm	211185
	3202.32	Km 21/000- 22/000	68.23	Sqm	218494
	3129.66	Km 22/000- 23/000	68.35	Sqm	213912
	1989.75	Km 23/000- 23/625	68.35	Sqm	135999
14		Providing and Fixing Name Board			
	3.00		10000.00		30000
15		Providing and fixing Logo For PMGSY projects			
	12.00		5000.00		60000
16		Providing and Fixing Citizen Information Board			
	7.00		15000.00		105000
17		Providing and Fixing Maintenance Information Board			
	14.00		15000.00		210000
18		Providing and Fixing of Cautionary, Mandatory and informatory Sign board			
	156.00	90 cm Equilateral Cautionary Board	4750.00		741000
	204.00	60 cm Circular Sign board	4350.00		887400
	156.00	Chevron Signs 90 Cm octagon	6800.00		1060800
	1064.00	Reflectors	340.00		361760
19		Km Stone			
	24.00		1700.00		40800
20		Hm Stone			
	95.00		500.00		47500
21		Construction of Piped Causeway			3442106
22		Construction of RCC Pipe Culvert- 96 Nos			16218810

23		Construction of Retaining Wall			71607401
24		Preparation of Estimate			1181250
25		Labour Welfare Fund 1%			1982241
26		Contingencies and other unforeseen items			9413
				Total	201397000


 FOREST ENGINEER
 TIRUCHIRAPPALLI