

Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM

Client :ITNL

ESTIMATE FOR ROAD LIGHTING

ROAD NO.1

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	44	16549.14	728162.16
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	44	4866.50	214126.00
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	1650	110.00	181500.00
6.0	Pipe type earthing	Nos.	44	750.00	33000.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	Gl earth wires	Kg.	22.44	60.00	1346.40
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I.Pipe	R Mt.	1650	217.00	358050.00
	Total				1593296.56

ROAD NO.2

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	0	16549.14	0.00
2.0	11metre long street light poles with double arm bracket	Nos	15	16929.54	253943.10
3.0	Cement concrete foundation	Nos	15	1350.00	20250.00
4.0	Street light fixture (250W SON)	Nos.	30	4866.50	145995.00
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
6.0	Cable	R Mt.	680	110.00	74800.00
7.0	Pipe type earthing	Nos.	15	750.00	11250.00
8.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
9.0	Gl earth wires	Kg.	7.65	60.00	459.00
10.0	Power Supply	R Mt.	30.00	235.00	7050.00
11.0	G.I.Pipe	R Mt.	680	217.00	147560.00
	Total				731369.10

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ROAD NO.3

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	0	16549.14	0.00
2.0	11metre long street light poles with double arm bracket	Nos	22	16929.54	372449.88
3.0	Cement concrete foundation	Nos	22	1350.00	29700.00
4.0	Street light fixture (250W SON)	Nos.	44	4866.50	214126.00
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
6.0	Cable	R Mt.	850	110.00	93500.00
7.0	Pipe type earthing	Nos.	22	750.00	16500.00
8.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
9.0	GI earth wires	Kg.	11.22	60.00	673.20
10.0	Power Supply	R Mt.	30.00	235.00	7050.00
11.0	G.I.Pipe	R Mt.	850	217.00	184450.00
	Total				988511.08

ROAD NO.8

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	153	16549.14	2532018.42
2.0	11metre long street light poles with double arm bracket	Nos	76	16929.54	1286645.04
3.0	Cement concrete foundation	Nos	76	1350.00	102600.00
4.0	Street light fixture (250W SON)	Nos.	305	4866.50	1484282.50
5.0	FEEDER PILLAR	Nos.	4.00	67,242.00	268968.00
6.0	Cable	R Mt.	8950	110.00	984500.00
7.0	Pipe type earthing	Nos.	229	750.00	171750.00
8.0	Cast iron earth plate	Nos.	8	1410.00	11280.00
9.0	GI earth wires	Kg.	116.79	60.00	7007.40
10.0	Power Supply	R Mt.	#####	235.00	28200.00
11.0	G.I.Pipe	R Mt.	8950	217.00	1942150.00
	Total				8819401.36

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.9

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	176	16549.14	2912648.64
2.0	11metre long street light poles with double arm bracket	Nos	88	16929.54	1489799.52
3.0	Cement concrete foundation	Nos	88	1350.00	118800.00
4.0	Street light fixture (250W SON)	Nos.	352	4866.50	1713008.00
5.0	FEEDER PILLAR	Nos.	5.00	67,242.00	336210.00
6.0	Cable	R Mt.	11650	110.00	1281500.00
7.0	Pipe type earthing	Nos.	264	750.00	198000.00
8.0	Cast iron earth plate	Nos.	10	1410.00	14100.00
9.0	Gl earth wires	Kg.	134.64	60.00	8078.40
10.0	Power Supply	R Mt.	#####	235.00	35250.00
11.0	G.I.Pipe	R Mt.	11650	217.00	2528050.00
	Total				10635444.56

ROAD NO.7

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	176	16549.14	2912648.64
2.0	11metre long street light poles with double arm bracket	Nos	88	16929.54	1489799.52
3.0	Cement concrete foundation	Nos	88	1350.00	118800.00
4.0	Street light fixture (250W SON)	Nos.	352	4866.50	1713008.00
5.0	FEEDER PILLAR	Nos.	6.00	67,242.00	403452.00
6.0	Cable	R Mt.	10250	110.00	1127500.00
7.0	Pipe type earthing	Nos.	264	750.00	198000.00
8.0	Cast iron earth plate	Nos.	5	1410.00	7050.00
9.0	Gl earth wires	Kg.	134.64	60.00	8078.40
10.0	Power Supply	R Mt.	#####	235.00	42300.00
11.0	G.I.Pipe	R Mt.	10250	217.00	2224250.00
	Total				10244886.56

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.14

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	53	16549.14	877104.42
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	53	4866.50	257924.50
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	2150	110.00	236500.00
6.0	Pipe type earthing	Nos.	53	750.00	39750.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	Gl earth wires	Kg.	27.03	60.00	1621.80
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I.Pipe	R Mt.	2150	217.00	466550.00
	Total				1956562.72

ROAD NO.18

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	0	16549.14	0.00
2.0	11metre long street light poles with double arm bracket	Nos	7	16929.54	118506.78
3.0	Cement concrete foundation	Nos	7	1350.00	9450.00
4.0	Street light fixture (250W SON)	Nos.	14	4866.50	68131.00
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
6.0	Cable	R Mt.	850	110.00	93500.00
7.0	Pipe type earthing	Nos.	7	750.00	5250.00
8.0	Cast iron earth plate	Nos.	1	1410.00	1410.00
9.0	Gl earth wires	Kg.	3.57	60.00	214.20
10.0	Power Supply	R Mt.	30.00	235.00	7050.00
11.0	G.I.Pipe	R Mt.	850	217.00	184450.00
	Total				555203.98

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.19

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	52	16549.14	860555.28
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Sodium vapour fitting made from 40mm. Dia 'B' class G.I pipe 1.2 mtrs in length	Nos	24	300.00	7200.00
4.0	Cement concrete foundation	Nos	0	1350.00	0.00
5.0	Street light fixture (150W SON)	Nos	24	4257.25	102174.00
6.0	Street light fixture (250W SON)	Nos.	52	4866.50	253058.00
7.0	FEEDER PILLAR	Nos.	2.00	67,242.00	134484.00
8.0	Cable	R Mt.	5350	110.00	588500.00
9.0	Pipe type earthing	Nos.	63	750.00	47250.00
10.0	Cast iron earth plate	Nos.	4	1410.00	5640.00
11.0	GI earth wires	Kg.	164	60.00	9840.00
12.0	Power Supply	R Mt.	60.00	235.00	14100.00
13.0	G.I.Pipe	R Mt.	5350	217.00	1160950.00
	Total				3183751.28

ROAD NO.28

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	0	16549.14	0.00
2.0	11metre long street light poles with double arm bracket	Nos	44	16929.54	744899.76
3.0	Cement concrete foundation	Nos	44	1350.00	59400.00
4.0	Street light fixture (250W SON)	Nos.	88	4866.50	428252.00
5.0	FEEDER PILLAR	Nos.	2.00	67,242.00	134484.00
6.0	Cable	R Mt.	1450	110.00	159500.00
7.0	Pipe type earthing	Nos.	Nos.	44.00	750.00
8.0	Cast iron earth plate	R Mt.	Nos.	4.00	1410.00
9.0	GI earth wires	Kg.	Kg.	22.44	60.00
10.0	Power Supply	R Mt.	R Mt.	60.00	235.00
11.0	G.I.Pipe	R Mt.	R Mt.	1450.00	217.00
	Total				1529207.76

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.28A

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	34	16549.14	562670.76
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	34	4866.50	165461.00
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	1450	110.00	159500.00
6.0	Pipe type earthing	Nos.	34	750.00	25500.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	Gl earth wires	Kg.	17.34	60.00	1040.40
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I.Pipe	R Mt.	1450	217.00	314650.00
	Total				1305934.16

ROAD NO.4

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	0	16549.14	0.00
2.0	11metre long street light poles with double arm bracket	Nos	9	16929.54	152365.86
3.0	Cement concrete foundation	Nos	9	1350.00	12150.00
4.0	Street light fixture (250W SON)	Nos.	18	4866.50	87597.00
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
6.0	Cable	R Mt.	450	110.00	49500.00
7.0	Pipe type earthing	Nos.	9	750.00	6750.00
8.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
9.0	Gl earth wires	Kg.	4.59	60.00	275.40
10.0	Power Supply	R Mt.	30.00	235.00	7050.00
11.0	G.I.Pipe	R Mt.	450	217.00	97650.00
	Total				483400.26

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.5

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	0	16549.14	0.00
2.0	11metre long street light poles with double arm bracket	Nos	22	16929.54	372449.88
3.0	Cement concrete foundation	Nos	22	1350.00	29700.00
4.0	Street light fixture (250W SON)	Nos.	44	4866.50	214126.00
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
6.0	Cable	R Mt.	850	110.00	93500.00
7.0	Pipe type earthing	Nos.	22	750.00	16500.00
8.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
9.0	Gl earth wires	Kg.	11.22	60.00	673.20
10.0	Power Supply	R Mt.	30.00	235.00	7050.00
11.0	G.I.Pipe	R Mt.	850	217.00	184450.00
	Total				988511.08

ROAD NO.6

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	15	16549.14	248237.10
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	15	4866.50	72997.50
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	650	110.00	71500.00
6.0	Pipe type earthing	Nos.	15	750.00	11250.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	Gl earth wires	Kg.	7.65	60.00	459.00
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I.Pipe	R Mt.	650	217.00	141050.00
	Total				622605.60

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.27

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	22	16549.14	364081.08
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	22	4866.50	107063.00
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	1550	110.00	170500.00
6.0	Pipe type earthing	Nos.	22	750.00	16500.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	Gl earth wires	Kg.	11.22	60.00	673.20
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I.Pipe	R Mt.	1550	217.00	336350.00
	Total				1072279.28

ROAD NO.29

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	43	16549.14	711613.02
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	43	4866.50	209259.50
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	1650	110.00	181500.00
6.0	Pipe type earthing	Nos.	43	750.00	32250.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	Gl earth wires	Kg.	21.93	60.00	1315.80
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I.Pipe	R Mt.	1650	217.00	358050.00
	Total				1571100.32

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.23

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	21	16549.14	347531.94
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	21	4866.50	102196.50
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	850	110.00	93500.00
6.0	Pipe type earthing	Nos.	21	750.00	15750.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	Gl earth wires	Kg.	10.71	60.00	642.60
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I.Pipe	R Mt.	850	217.00	184450.00
	Total				821183.04

ROAD NO.26

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	29	16549.14	479925.06
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	29	4866.50	141128.50
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	1250	110.00	137500.00
6.0	Pipe type earthing	Nos.	29	750.00	21750.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	Gl earth wires	Kg.	14.79	60.00	887.40
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I.Pipe	R Mt.	1250	217.00	271250.00
	Total				1129552.96

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.32

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	210	16549.14	3475319.40
2.0	11metre long street light poles with double arm bracket	Nos	104	16929.54	1760672.16
3.0	Cement concrete foundation	Nos	104	1350.00	140400.00
4.0	Street light fixture (250W SON)	Nos.	418	4866.50	2034197.00
5.0	FEEDER PILLAR	Nos.	5.00	67,242.00	336210.00
6.0	Cable	R Mt.	11950	110.00	1314500.00
7.0	Pipe type earthing	Nos.	314	750.00	235500.00
8.0	Cast iron earth plate	Nos.	10	1410.00	14100.00
9.0	GI earth wires	Kg.	160.14	60.00	9608.40
10.0	Power Supply	R Mt.	#####	235.00	35250.00
11.0	G.I.Pipe	R Mt.	11950	217.00	2593150.00
	Total				11948906.96

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ESTIMATE FOR ROAD LIGHTING

ROAD NO.11

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	15	16549.14	248237.10
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	15	4866.50	72997.50
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00
5.0	Cable	R Mt.	650	110.00	71500.00
6.0	Pipe type earthing	Nos.	15	750.00	11250.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	7.65	70.00	535.50
9.0	Power Supply	R Mt.	30.00	235.00	7050.00
10.0	G.I Pipe	R Mt.	650	217.00	141050.00
	Total				622682.10

ROAD NO.12

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	23	16549.14	380630.22
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	23	4866.50	111929.50
4.0	FEEDER PILLAR	Nos.	1	67,242.00	67242.00
5.0	Cable	R Mt.	950	110.00	104500.00
6.0	Pipe type earthing	Nos.	23	750.00	17250.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	11.73	60.00	703.80
9.0	Power Supply	R Mt.	30	235.00	7050.00
10.0	G.I Pipe	R Mt.	950	217.00	206150.00
	Total				898275.52

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ROAD NO.13

<i>Sr. No.</i>	<i>Description</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Rate</i>	<i>Amount in Rs.</i>
1.0	11 metre long street light poles with single arm bracket	Nos	37	16549.14	612318.18
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	37	4866.50	180060.50
4.0	FEEDER PILLAR	Nos.	1	67,242.00	67242.00
5.0	Cable	R Mt.	1450	110.00	159500.00
6.0	Pipe type earthing	Nos.	37	750.00	27750.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	18.87	60.00	1132.20
9.0	Power Supply	R Mt.	30	235.00	7050.00
10.0	G.I Pipe	R Mt.	1450	217.00	314650.00
	Total				1372522.88

ROAD NO.15					
<i>Sr. No.</i>	<i>Description</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Rate</i>	<i>Amount in Rs.</i>
1.0	11 metre long street light poles with single arm bracket	Nos	9	16549.14	148942.26
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	9	4866.50	43798.50
4.0	FEEDER PILLAR	Nos.	1	67,242.00	67242.00
5.0	Cable	R Mt.	350	110.00	38500.00
6.0	Pipe type earthing	Nos.	9	750.00	6750.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	4.59	60.00	275.40
9.0	Power Supply	R Mt.	30	235.00	7050.00
10.0	G.I Pipe	R Mt.	350	217.00	75950.00
	Total				391328.16

Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.16		
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	23	16549.14	380630.22
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	23	4866.50	111929.50
4.0	FEEDER PILLAR	Nos.	1	67,242.00	67242.00
5.0	Cable	R Mt.	950	110.00	104500.00
6.0	Pipe type earthing	Nos.	23	750.00	17250.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	11.73	60.00	703.80
9.0	Power Supply	R Mt.	30	235.00	7050.00
10.0	G.I Pipe	R Mt.	950	217.00	206150.00
	Total				898275.52

ROAD NO.17					
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	39	16549.14	645416.46
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	39	4866.50	189793.50
4.0	FEEDER PILLAR	Nos.	1	67,242.00	67242.00
5.0	Cable	R Mt.	1550	110.00	170500.00
6.0	Pipe type earthing	Nos.	39	750.00	29250.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	19.89	60.00	1193.40
9.0	Power Supply	R Mt.	30	235.00	7050.00
10.0	G.I Pipe	R Mt.	1550	217.00	336350.00
	Total				1449615.36

Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.22		

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	83	16549.14	1373578.62
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	83	4866.50	403919.50
4.0	FEEDER PILLAR	Nos.	2	67,242.00	134484.00
5.0	Cable	R Mt.	3250	110.00	357500.00
6.0	Pipe type earthing	Nos.	83	750.00	62250.00
7.0	Cast iron earth plate	Nos.	4	1410.00	5640.00
8.0	GI earth wires	Kg.	42.33	60.00	2539.80
9.0	Power Supply	R Mt.	60	235.00	14100.00
10.0	G.I Pipe	R Mt.	3250	217.00	705250.00
	Total				3059261.92

ROAD NO.30					
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	83	16549.14	1373578.62
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	83	4866.50	403919.50
4.0	FEEDER PILLAR	Nos.	2	67,242.00	134484.00
5.0	Cable	R Mt.	3250	110.00	357500.00
6.0	Pipe type earthing	Nos.	83	750.00	62250.00
7.0	Cast iron earth plate	Nos.	4	1410.00	5640.00
8.0	GI earth wires	Kg.	42.33	60.00	2539.80
9.0	Power Supply	R Mt.	60	235.00	14100.00
10.0	G.I Pipe	R Mt.	3250	217.00	705250.00
	Total				3059261.92

Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.31		
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	53	16549.14	877104.42
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	53	4866.50	257924.50
4.0	FEEDER PILLAR	Nos.	1	67,242.00	67242.00
5.0	Cable	R Mt.	2150	110.00	236500.00
6.0	Pipe type earthing	Nos.	53	750.00	39750.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	27.03	60.00	1621.80
9.0	Power Supply	R Mt.	30	235.00	7050.00
10.0	G.I Pipe	R Mt.	2150	217.00	466550.00
	Total				1956562.72

ROAD NO.10					
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	128	16549.14	2118289.92
2.0	11metre long street light poles with double arm bracket	Nos	64	16929.54	1083490.56
3.0	Street light fixture (250W SON)	Nos.	256	4866.50	1245824.00
4.0	Street light fixture (150W SON)	Nos.	36	4857.25	174861.00
5.0	7metre long street light poles with single arm bracket	Nos.	36	11990.00	431640.00
6.0	FEEDER PILLAR	Nos.	4	67,242.00	268968.00
7.0	Cable	R Mt.	6550	180.00	1179000.00
8.0	Pipe type earthing	Nos.	128	750.00	96000.00
9.0	Cast iron earth plate	Nos.	8	1410.00	11280.00
10.0	GI earth wires	Kg.	200	60.00	12000.00
11.0	Power Supply	R Mt.	120	200.00	24000.00
12.0	G.I Pipe	Kg.	200	60.00	12000.00
	Total				6657353.48

Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM
Client :ITNL
ESTIMATE FOR ROAD LIGHTING **ROAD NO.24**

<i>Sr. No.</i>	<i>Description</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Rate</i>	<i>Amount in Rs.</i>
1.0	11 metre long street light poles with single arm bracket	Nos	127	16549.14	2101740.78
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	127	4866.50	618045.50
4.0	FEEDER PILLAR	Nos.	2	67,242.00	134484.00
5.0	Cable	R Mt.	4950	110.00	544500.00
6.0	Pipe type earthing	Nos.	127	750.00	95250.00
7.0	Cast iron earth plate	Nos.	4	1410.00	5640.00
8.0	GI earth wires	Kg.	64.77	60.00	3886.20
9.0	Power Supply	R Mt.	60	235.00	14100.00
10.0	G.I Pipe	R Mt.	4950	217.00	1074150.00
	Total				4591796.48

ROAD NO.34

<i>Sr. No.</i>	<i>Description</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Rate</i>	<i>Amount in Rs.</i>
1.0	11 metre long street light poles with single arm bracket	Nos	57	16549.14	943300.98
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	57	4866.50	277390.50
4.0	FEEDER PILLAR	Nos.	1	67,242.00	67242.00
5.0	Cable	R Mt.	2350	110.00	258500.00
6.0	Pipe type earthing	Nos.	57	750.00	42750.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	29.07	60.00	1744.20
9.0	Power Supply	R Mt.	30	235.00	7050.00
10.0	G.I Pipe	R Mt.	2350	217.00	509950.00
	Total				2110747.68

Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.35		
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	136	16549.14	2250683.04
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	136	4866.50	661844.00
4.0	FEEDER PILLAR	Nos.	2	67,242.00	134484.00
5.0	Cable	R Mt.	5350	110.00	588500.00
6.0	Pipe type earthing	Nos.	Nos.	136.00	750.00
7.0	Cast iron earth plate	R Mt.	Nos.	4.00	1410.00
8.0	GI earth wires	Kg.	Kg.	69.36	60.00
9.0	Power Supply	R Mt.	R Mt.	60.00	235.00
10.0	G.I Pipe	R Mt.	R Mt.	5350.00	217.00
	Total				3638183.04

ROAD NO.37					
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	28	16549.14	463375.92
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	28	4866.50	136262.00
4.0	FEEDER PILLAR	Nos.	1	67,242.00	67242.00
5.0	Cable	R Mt.	1250	110.00	137500.00
6.0	Pipe type earthing	Nos.	28	750.00	21000.00
7.0	Cast iron earth plate	Nos.	2	1410.00	2820.00
8.0	GI earth wires	Kg.	14.28	60.00	856.80
9.0	Power Supply	R Mt.	30	235.00	7050.00
10.0	G.I Pipe	R Mt.	1250	217.00	271250.00
	Total				1107356.72

Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.39		

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	60	16549.14	992948.40
2.0	11metre long street light poles with double arm bracket	Nos	122	16929.54	2065403.88
3.0	cement concrete foundation	Nos	122	1350.00	164700.00
	Street light fixture (250W SON)	Nos.	242	4866.50	1177693.00
4.0	FEEDER PILLAR	Nos.	3	67,242.00	201726.00
5.0	Cable	R Mt.	6500	110.00	715000.00
6.0	Pipe type earthing	Nos.	244	750.00	183000.00
7.0	Cast iron earth plate	Nos.	6	1410.00	8460.00
8.0	GI earth wires	Kg.	92.82	60.00	5569.20
9.0	Power Supply	R Mt.	90	235.00	21150.00
10.0	G.I Pipe	R Mt.	6500	217.00	1410500.00
	Total				6946150.48

ROAD NO.40					
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	103	16549.14	1704561.42
2.0	11metre long street light poles with double arm bracket	Nos	51	16929.54	863406.54
3.0	cement concrete foundation	Nos	51	1350.00	68850.00
4.0	Street light fixture (250W SON)	Nos.	205	4866.50	997632.50
5.0	FEEDER PILLAR	Nos.	3	67,242.00	201726.00
6.0	Cable	R Mt.	6350	110.00	698500.00
7.0	Pipe type earthing	Nos.	102	750.00	76500.00
8.0	Cast iron earth plate	Nos.	6	1410.00	8460.00
9.0	GI earth wires	Kg.	78.54	60.00	4712.40
10.0	Power Supply	R Mt.	90	235.00	21150.00
11.0	G.I Pipe	R Mt.	6350	217.00	1377950.00
	Total				6023448.86

Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.38(a)		
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	167	16549.14	2763706.38
2.0	11metre long street light poles with double arm bracket	Nos	0	16929.54	0.00
3.0	Street light fixture (250W SON)	Nos.	167	4866.50	812705.50
4.0	FEEDER PILLAR	Nos.	2	67,242.00	134484.00
5.0	Cable	R Mt.	6550	110.00	720500.00
6.0	Pipe type earthing	Nos.	Nos.	167.00	750.00
7.0	Cast iron earth plate	R Mt.	Nos.	4.00	1410.00
8.0	Gl earth wires	Kg.	Kg.	85.17	60.00
9.0	Power Supply	R Mt.	R Mt.	60.00	235.00
10.0	G.I Pipe	R Mt.	R Mt.	6550.00	217.00
	Total				4434067.88

ROAD NO.41					
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	96	16549.14	1588717.44
2.0	11metre long street light poles with double arm bracket	Nos	47	16929.54	795688.38
3.0	cement concrete foundation	Nos	47	1350.00	63450.00
4.0	Street light fixture (250W SON)	Nos.	190	4866.50	924635.00
5.0	FEEDER PILLAR	Nos.	3	67,242.00	201726.00
6.0	Cable	R Mt.	5850	110.00	643500.00
7.0	Pipe type earthing	Nos.	94	750.00	70500.00
8.0	Cast iron earth plate	Nos.	6	1410.00	8460.00
9.0	Gl earth wires	Kg.	72.93	60.00	4375.80
10.0	Power Supply	R Mt.	90	235.00	21150.00
11.0	G.I Pipe	R Mt.	5850	217.00	1269450.00
	Total				5591652.62

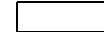
Proect : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICPAL CORPORATION UNDER JNNURM

Client :ITNL

ESTIMATE FOR ROAD LIGHTING

ROAD NO.42

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	11 metre long street light poles with single arm bracket	Nos	64	16549.14	1059144.96
2.0	11metre long street light poles with double arm bracket	Nos	31	16929.54	524815.74
3.0	cement concrete foundation	Nos	31	1350.00	41850.00
4.0	Street light fixture (250W SON)	Nos.	126	4866.50	613179.00
5.0	FEEDER PILLAR	Nos.	2	67,242.00	134484.00
6.0	Cable	R Mt.	3650	110.00	401500.00
7.0	Pipe type earthing	Nos.	62	750.00	46500.00
8.0	Cast iron earth plate	Nos.	4	1410.00	5640.00
9.0	GI earth wires	Kg.	48.45	60.00	2907.00
10.0	Power Supply	R Mt.	60	235.00	14100.00
11.0	G.I Pipe	R Mt.	3650	217.00	792050.00
	Total				3636170.70



**Proect : DPR FOR ROADS IN NANDED
WAGHALA CITY MUNICIPAL
CORPORATION UNDER JNNURM**

Client : I T N L

**SUMMARY OF ESTIMATE FOR
ROAD LIGHTING**

Sr.no.	Road no.	Total Estimated Cost
	1	1593296.56
	2	731369.10
	3	988511.08
	4	483400.26
	5	988511.08
	6	622605.60
	7	10244886.56
	8	8819401.36
	9	10635444.56
	10	5488912.80
	11	622682.10
	12	898275.52
	13	1372522.88
	14	1956562.72
	15	391328.16
	16	898275.52
	17	1449615.36
	18	555203.98
	19	3183751.28
	20	
	21	
	22	3059261.92
	23	821183.04
	24	4591796.48
	25	
	26	1129552.96
	27	1072279.28
	28	1529207.76
	28(A)	1305934.16
	29	1571100.32
	30	3059261.92
	31	1956562.72
	32	11948906.96
	33	
	34	2110747.68
	35	3638183.04
	36	
	37	1107356.72
	38(A)	4434067.88
	39	6946150.48
	40	6023448.86
	41	5591652.62
	42	3636170.70
	TOTAL	117457381.98

NOTE : Road nos.20, 21,25, 33 and 36
do not exist in the latest chart

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM
Client :ITNL
ESTIMATE FOR ROAD LIGHTING
ROAD NO.11

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	15	16549.14	248237.10	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	15	4866.50	72997.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contractor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB - 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm,width G.I strip /erected on pole with 25 x 3 mm.M.S clamps / in provided trench in provided pipe in an approved manner 4c x 16 sq.mm.	R Mt.	650	110.00	71500.00	D.S.R no:7-2-16
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	15	750.00	11250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I pipe 2 mtr. deep but at right angle at 0.6 mtr.below ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	7.65	70.00	535.50	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface back filling with light ramming to make the road /ground surface back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	650	217.00	141050.00	D.S.R no:7-5-9
	Total				622682.10	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.12			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	23	16549.14	380630.22	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	23	4866.50	111929.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB - 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm,width G.I strip /erected on pole with 25 x 3 mm.M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	950	110.00	104500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	23	750.00	17250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I pipe 2 mtr. deep but at right angle at 0.6 mtr.below ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	11.73	60.00	703.80	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	950	217.00	206150.00	D.S.R no:7-5-9
	Total				898275.52	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.13		
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	37	16549.14	612318.18
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	37	4866.50	180060.50
4.0	FEDER PILLAR Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.	Nos.	1.00	67,242.00	67242.00
	Incoming				
	100 A 4P MCCB - 1 No.				
	63 A TPN MCB - 1 No.				
	70 A TPN Contactor				
	Outgoing				
	40A 4P MCCB – 8 No.				
5.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	1450	110.00	159500.00
	4c x 16 sq.mm.				
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	37	750.00	27750.00
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	18.87	60.00	1132.20
9.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	30.00	235.00	7050.00
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1450	217.00	314650.00
	Total				1372522.88

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.15			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	9	16549.14	148942.26	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	9	4866.50	43798.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCCB - 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x 25 mm,width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	350	110.00	38500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	9	750.00	6750.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	4.59	60.00	275.40	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with congnous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	350	217.00	75950.00	D.S.R no:7-5-9
	Total				391328.16	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.16			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	23	16549.14	380630.22	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25H / SON - T 250 GLA or approved equivalent).	Nos.	23	4866.50	111929.50	Market Rate
4.0	FEEDER PILLAR Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.	Nos.	1.00	67,242.00	67242.00	Market Rate
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm, standed aluminium with 6mm, 25mm, Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x 25 mm,width G.I strip /erected on pole with 25 x 3 mm, M.S clamps / in provided trench in provided pipe in an approved manner 4c x 16 sq.mm.	R Mt.	950	110.00	104500.00	D.S.R no:7-2-16
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	23	750.00	17250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30, Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	11.73	60.00	703.80	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm, standed/solid aluminium with 6mm, 25mm, Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	30.00	235.00	7050.00	
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	950	217.00	206150.00	D.S.R no:7-5-9
	Total				898275.52	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL-A33						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.17			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	39	16549.14	645416.46	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	39	4866.50	189793.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB - 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm,width G.I strip /erected on pole with 25 x 3 mm.M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	1550	110.00	170500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	39	750.00	29250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	19.89	60.00	1193.40	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1550	217.00	336350.00	D.S.R no:7-5-9
	Total				1449615.36	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM
 Client :ITNL
 ESTIMATE FOR ROAD LIGHTING ROAD NO.22

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	21	16549.14	347531.94	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	21	4866.50	102196.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contractor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB - 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm,width G.I strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench in provided pipe in an approved manner	R Mt.	850	110.00	93500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	21	750.00	15750.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	10.71	60.00	642.60	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	850	217.00	184450.00	D.S.R no:7-5-9
	Total				821183.04	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.30			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	83	16549.14	1373578.62	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25H / SON - T 250 GLA or approved equivalent).	Nos.	83	4866.50	403919.50	Market Rate
4.0	FEDER PILLAR Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.	Nos.	2.00	67,242.00	134484.00	Market Rate
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm, standed aluminium with 6mm, 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x 25 mm,width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner 4c x 16 sq.mm.	R Mt.	3250	110.00	357500.00	D.S.R no:7-2-16
6.0	Supplying and erecting pipe type earthing with 40 mm, dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia. G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	83	750.00	62250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30, Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	4	1410.00	5640.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	42.33	60.00	2539.80	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm, standed/solid aluminium with 6mm, 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	60.00	235.00	14100.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	3250	217.00	705250.00	D.S.R no:7-5-9
	Total				3059261.92	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.31			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	53	16549.14	877104.42	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25H / SON - T 250 GLA or approved equivalent).	Nos.	53	4866.50	257924.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCCB - 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm,width G.I strip /erected on pole with 25 x 3 mm, M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	2150	110.00	236500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	53	750.00	39750.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	27.03	60.00	1621.80	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with	R Mt.	30.00	235.00	7050.00	
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface back filling with light ramming to make the road /ground surface. back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	2150	217.00	466550.00	D.S.R no:7-5-9
	Total				1956562.72	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.10		
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	128	16549.14	2118289.92 Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	64	16929.54	1083490.56 Market Rate
3.0	Supplying & erecting wall bracket for erection of side entry W.P fluo fitting /M.V fitting/Sodium vapour fitting made from 40mm. Dia 'B' class G.I pipe 1.2 mtrs in length duly grouted in wall with 50 x3 mm. M.S.flat and 10 x 100 mm.nuts and bolts with suitable size of 2 Nos. U clamps with sets screw complete erected with PVC wire leads and with provided junction box and finishing the site as per background with cement ,plaster etc.along with necessary nipple ,reducer etc if required.	Nos	36	300.00	10800.00 DSR No:4-4-4
4.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duely plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole).	Nos	64	1350.00	86400.00 DSR No:8-2-3
5.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	256	4866.50	1245824.00 Market Rate
6.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 150W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN15IH / SON - T 150 GLA or approved equivalent).	Nos.	36	4857.25	174861.00 Market Rate
7.0	Supply of 7M high hot dip galvanised octagonal pole with top 70 mm A/F, bottom 130 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 220x220x12 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply M20 X 700MM long 'J' type foundation bolt with template suitable for above pole.	Nos.	36	11990.00	431640.00 Market Rate
8.0	FEEDER PILLAR	Nos.	4.00	67,242.00	268968.00 Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.				
	Incoming				
	100 A 4P MCCB - 1 No.				
	63 A TPN MCB - 1 No.				
	70 A TPN Contactor				
	Outgoing				
	40A 4P MCCB – 8 No.				Market Rate
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm.M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	6550	110.00	720500.00 D.S.R no:7-2-16
	4c x 16 sq.mm.				D.S.R no:8-3-7
10.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	128	750.00	96000.00 D.S.R no:8-3-2A
11.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.I.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	8	1410.00	11280.00 D.S.R no:8-3-5
12.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	200	60.00	12000.00
13.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	120.00	235.00	28200.00 D.S.R no:7-2-20
14.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	6550	217.00	1421350.00 D.S.R no:7-5-9
	Total				6288253.48

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.24			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	127	16549.14	2101740.78	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25H / SON - T 250 GLA or approved equivalent).	Nos.	127	4866.50	618045.50	Market Rate
4.0	FEEDER PILLAR	Nos.	2.00	67,242.00	134484.00	Market Rate
	Supply, testing & commissioning of the following factory					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm,width G.I strip /erected on pole with 25 x 3 mm.M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	4950	110.00	544500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia. G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	127	750.00	95250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	4	1410.00	5640.00	D.S.R no:8-3-2A
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	64.77	60.00	3886.20	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	60.00	235.00	14100.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet).	R Mt.	4950	217.00	1074150.00	D.S.R no:7-5-9
	Total				3517646.48	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.34		
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	57	16549.14	943300.98 Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00 Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	57	4866.50	277390.50 Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00 Market Rate
	Supply, testing & commissioning of the following factory				
	Incoming				
	100 A 4P MCCB - 1 No.				
	63 A TPN MCB - 1 No.				
	70 A TPN Contactor				
	Outgoing				
	40A 4P MCCB – 8 No.				
5.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 4 core 16 S.Q.mm, standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	2350	110.00	258500.00 D.S.R no:7-2-16
	4c x 16 sq.mm.				
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia. G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	57	750.00	42750.00 D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00 D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	29.07	60.00	1744.20 D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00 D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm. below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	2350	217.00	509950.00 D.S.R no:7-5-9
	Total				1600797.68

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.35			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	136	16549.14	2250683.04	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	136	4866.50	661844.00	Market Rate
4.0	FEDER PILLAR Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.	Nos.	2.00	67,242.00	134484.00	Market Rate
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on trusses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	5350	110.00	588500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia. G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	136	750.00	102000.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I pipe 2 mtr. deep but at right angle at 0.6 mtr.below ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	4	1410.00	5640.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	69.36	60.00	4161.60	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on trusses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	60.00	235.00	14100.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	5350	217.00	1160950.00	D.S.R no:7-5-9
	Total				3761412.64	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.37			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	28	16549.14	463375.92	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	28	4866.50	136262.00	Market Rate
4.0	FEEDER PILLAR Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.	Nos.	1.00	67,242.00	67242.00	Market Rate
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.O.mm, standed aluminium with 6mm, 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm,width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	1250	110.00	137500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia. G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	28	750.00	21000.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.I.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	14.28	60.00	856.80	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm, standed/solid aluminium with 6mm, 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm, out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETRIX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1250	217.00	271250.00	D.S.R no:7-5-9
	Total				1107356.72	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.39			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	60	16549.14	992948.40	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	122	16929.54	2065403.88	Market Rate
	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duely plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	122	1350.00	164700.00	DSR NO:8-2-3
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	242	4866.50	1177693.00	Market Rate
4.0	FEEDER PILLAR	Nos.	3.00	67,242.00	201726.00	
	Supply, testing & commissioning of the following factory					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB - 8 No.					Market Rate
5.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	6500	110.00	715000.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia. G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	244	750.00	183000.00	D.S.R no:8-3-2A
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	6	1410.00	8460.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	92.82	60.00	5569.20	
9.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	90.00	235.00	21150.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	6500	217.00	1410500.00	D.S.R no:7-5-9
Total					6946150.48	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM					
Client :ITNL					
ESTIMATE FOR ROAD LIGHTING			ROAD NO.40		
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	103	16549.14	1704561.42 Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	51	16929.54	863406.54 Market Rate
	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	51	1350.00	68850.00 DSR NO:8-2-3
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	205	4866.50	997632.50 Market Rate
4.0	FEEDER PILLAR	Nos.	3.00	67,242.00	201726.00 Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.				
	Incoming				
	100 A 4P MCCB - 1 No.				
	63 A TPN MCB - 1 No.				
	70 A TPN Contactor				
	Outgoing				
	40A 4P MCB - 8 No.				Market Rate
5.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	6350	110.00	698500.00 D.S.R no:7-2-16
	4c x 16 sq.mm.				
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	102	750.00	76500.00 D.S.R no:8-3-2A
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I.wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	6	1410.00	8460.00 D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	78.54	60.00	4712.40 D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	90.00	235.00	21150.00 D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	6350	217.00	1377950.00 D.S.R no:7-5-9
	Total				6023448.86

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.38(a)			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	167	16549.14	2763706.38	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	167	4866.50	812705.50	Market Rate
4.0	FEDER PILLAR Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.	Nos.	2.00	67,242.00	134484.00	Market Rate
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm, standed aluminium with 6mm, 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x 25 mm,width G.I strip /erected on pole with 25 x 3 mm.M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	6550	110.00	720500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia. G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	167	750.00	125250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	4	1410.00	5640.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	85.17	60.00	5110.20	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm, standed/solid aluminium with 6mm, 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 gauge x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	60.00	235.00	14100.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELE'TREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	6550	217.00	1421350.00	D.S.R no:7-5-9
	Total				6002846.08	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.41			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	96	16549.14	1588717.44	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	47	16929.54	795688.38	Market Rate
	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duely plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	47	1350.00	63450.00	DSR NO:8-2-3
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	190	4866.50	924635.00	Market Rate
4.0	FEEDER PILLAR	Nos.	3.00	67,242.00	201726.00	Market Rate
	Supply, testing & commissioning of the following factory					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB – 8 No.					Market Rate
5.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm.M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	5850	110.00	643500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	94	750.00	70500.00	D.S.R no:8-3-2A
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	6	1410.00	8460.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	72.93	60.00	4375.80	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	90.00	235.00	21150.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface. back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	5850	217.00	1269450.00	D.S.R no:7-5-9
	Total				5591652.62	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.42			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	64	16549.14	1059144.96	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	31	16929.54	524815.74	Market Rate
	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duely plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	31	1350.00	41850.00	DSR NO:8-2-3
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25H / SON - T 250 GLA or approved equivalent).	Nos.	126	4866.50	613179.00	Market Rate
4.0	FEEDER PILLAR	Nos.	2.00	67,242.00	134484.00	Market Rate
	Supply, testing & commissioning of the following factory					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCCB – 8 No.					Market Rate
5.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm.M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	3650	110.00	401500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr. long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	62	750.00	46500.00	D.S.R no:8-3-2A
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.I.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	4	1410.00	5640.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	48.45	60.00	2907.00	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved	R Mt.	60.00	235.00	14100.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELLEREX/ ELE'TREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	3650	217.00	792050.00	D.S.R no:7-5-9
	Total				3636170.70	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING						
ROAD NO.1						
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	44	16549.14	728162.16	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
	Providing cement concrete foundation including excavation for the poles (45cmx45cmx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duely plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	0	1350.00	0.00	DSR No:8-2-3
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	44	4866.50	214126.00	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall/on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner					D.S.R no:7-2-16
	4c x 16 sq.mm.	R Mt.	1650	110.00	181500.00	
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	44	750.00	33000.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	22.44	60.00	1346.40	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1650	217.00	358050.00	D.S.R no:7-5-9
	Total				1593296.56	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM
Client :ITNL
ESTIMATE FOR ROAD LIGHTING ROAD NO.2

Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16549.14	0.00	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	15	16929.54	253943.10	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duely plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	15	1350.00	20250.00	DSR No:8-2-3
4.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	30	4866.50	145995.00	Market Rate
5.0	FEEDER PILLAR Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor. Incoming 100 A 4P MCCB - 1 No. 63 A TPN MCB - 1 No. 70 A TPN Contactor Outgoing 63A 4P MCB – 8 No.	Nos.	1.00	67,242.00	67242.00	Market Rate
6.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	680	110.00	74800.00	D.S.R no:7-2-16
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	15	750.00	11250.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	7.65	60.00	459.00	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V .grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	680	217.00	147560.00	D.S.R no:7-5-9
Total					731369.10	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.3			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16549.14	0.00	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	22	16929.54	372449.88	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	22	1350.00	29700.00	DSR No:8-2-3
4.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH /SON - T 250 GLA or approved equivalent).	Nos.	44	4866.50	214126.00	Market Rate
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
6.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner					D.S.R no:7-2-16
	4c x 16 sq.mm.	R Mt.	850	110.00	93500.00	
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	22	750.00	16500.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	11.22	60.00	673.20	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	850	217.00	184450.00	D.S.R no:7-5-9
	Total				988511.08	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.8			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	153	16549.14	2532018.42	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	76	16929.54	1286645.04	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	76	1350.00	102600.00	DSR No:8-2-3
4.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH /SON - T 250 GLA or approved equivalent).	Nos.	305	4866.50	1484282.50	Market Rate
5.0	FEEDER PILLAR	Nos.	4.00	67,242.00	268968.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	40A 4P MCB – 8 No.					
6.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.O.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner					D.S.R no:7-2-16
	4c x 16 sq.mm.	R Mt.	8950	110.00	984500.00	
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	229	750.00	171750.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	8	1410.00	11280.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	116.79	60.00	7007.40	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.O.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	120.00	235.00	28200.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	8950	217.00	1942150.00	D.S.R no:7-5-9
	Total				8819401.36	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.9			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	176	16549.14	2912648.64	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	88	16929.54	1489799.52	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	88	1350.00	118800.00	DSR No:8-2-3
4.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	352	4866.50	1713008.00	Market Rate
5.0	FEEDER PILLAR	Nos.	5.00	67,242.00	336210.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
6.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.O.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner					D.S.R no:7-2-16
	4c x 16 sq.mm.	R Mt.	11650	110.00	1281500.00	
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	264	750.00	198000.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	10	1410.00	14100.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	134.64	60.00	8078.40	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.O.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	150.00	235.00	35250.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	11650	217.00	2528050.00	D.S.R no:7-5-9
	Total				10635444.56	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL+A33						
ESTIMATE FOR ROAD LIGHTING						
ROAD NO.7						
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	176	16549.14	2912648.64	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	88	16929.54	1489799.52	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	88	1350.00	118800.00	DSR No:8-2-3
4.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH /SON - T 250 GLA or approved equivalent).	Nos.	352	4866.50	1713008.00	Market Rate
5.0	FEEDER PILLAR	Nos.	6.00	67,242.00	403452.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
6.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.O.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner					D.S.R no:7-2-16
	4c x 16 sq.mm.	R Mt.	10250	110.00	1127500.00	
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	264	750.00	198000.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	5	1410.00	7050.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	134.64	60.00	8078.40	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.O.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	180.00	235.00	42300.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	10250	217.00	2224250.00	D.S.R no:7-5-9
	Total				10244886.56	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING						
ROAD NO.14						
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	53	16549.14	877104.42	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	53	4866.50	257924.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner					D.S.R no:7-2-16
	4c x 16 sq.mm.	R Mt.	2150	110.00	236500.00	
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	53	750.00	39750.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	27.03	60.00	1621.80	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	2150	217.00	466550.00	D.S.R no7-5-9
	Total				1956562.72	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.18			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16549.14	0.00	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	7	16929.54	118506.78	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	7	1350.00	9450.00	DSR No:8-2-3
4.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	14	4866.50	68131.00	Market Rate
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCCB – 8 No.					
7.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed.with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner					D.S.R no:7-2-16
	4c x 16 sq.mm.	R Mt.	850	110.00	93500.00	
8.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	7	750.00	5250.00	D.S.R no:8-3-7
9.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	1	1410.00	1410.00	D.S.R no:8-3-5
10.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	3.57	60.00	214.20	D.S.R no:8-3-4
110.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed.with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	850	217.00	184450.00	D.S.R no:7-5-9
	Total				555203.98	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.19			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	52	16549.14	860555.28	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Supplying & erecting wall bracket for erection of side entry W.P fluo fitting /M.V fitting/Sodium vapour fitting made from 40mm. Dia 'B' class G.I pipe 1.2 mtrs in length duly grouted in wall with 50 x3 mm. M.S.flat and 10 x 100 mm.nuts and bolts with suitable size of 2 Nos. U clamps with sets screw complete erected with PVC wire leads and with provided junction box and finishing the site as per background with cement ,plaster etc.along with necessary nipple ,reducer etc if required.	Nos	24	300.00	7200.00	DSR No:4-4-4
4.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duely plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	0	1350.00	0.00	DSR No:8-2-3
5.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 150W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN15IH /SON - T 150 GLA or approved equivalent).	Nos	24	4257.25	102174.00	Market Rate
6.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH /SON - T 250 GLA or approved equivalent).	Nos.	52	4866.50	253058.00	Market Rate
7.0	FEEDER PILLAR Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor. Incoming 100 A 4P MCCB - 1 No. 63 A TPN MCB - 1 No. 70 A TPN Contactor Outgoing 63A 4P MCB – 8 No.	Nos.	2.00	67,242.00	134484.00	Market Rate
8.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall/on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner 4c x 16 sq.mm.	R Mt.	5350	110.00	588500.00	D.S.R no:7-2-16
9.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	63	750.00	47250.00	D.S.R no:8-3-7
10.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	4	1410.00	5640.00	D.S.R no:8-3-5
11.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	164	60.00	9840.00	D.S.R no:8-3-4
12.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	60.00	235.00	14100.00	D.S.R no:7-2-20
13.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface ,back filling with light ramming to make the road /ground surface ,back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	5350	217.00	1160950.00	D.S.R no:7-5-9
Total					3183751.28	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.28			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16549.14	0.00	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	44	16929.54	744899.76	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mtr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	44	1350.00	59400.00	DSR No:8-2-3
4.0	Supply, erection, testing and commissioning of street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	88	4866.50	428252.00	Market Rate
5.0	FEEDER PILLAR	Nos.	2.00	67,242.00	134484.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
6.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.O.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	1450	110.00	159500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	44	750.00	33000.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	4	1410.00	5640.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	22.44	60.00	1346.40	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.O.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	60.00	235.00	14100.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1450	217.00	314650.00	D.S.R no:7-5-9
	Total				1895272.16	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.28A			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	34	16549.14	562670.76	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent)	Nos.	34	4866.50	165461.00	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	1450	110.00	159500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr 'long B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	34	750.00	25500.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2.00	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for	Kg.	17.34	60.00	1040.40	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWG) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1450	217.00	314650.00	D.S.R no:7-5-9
	Total				1305934.16	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.4			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16549.14	0.00	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	9	16929.54	152365.86	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	9	1350.00	12150.00	DSR No:8-2-3
4.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	18	4866.50	87597.00	Market Rate
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
6.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. stranded aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	450	110.00	49500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	9	750.00	6750.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	4.59	60.00	275.40	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. stranded/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	450	217.00	97650.00	D.S.R no:7-5-9
	Total				483400.26	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING						
ROAD NO.5						
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16549.14	0.00	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	22	16929.54	372449.88	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	22	1350.00	29700.00	DSR No:8-2-3
4.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	44	4866.50	214126.00	Market Rate
5.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
6.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	850	110.00	93500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	22	750.00	16500.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duly sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duly sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duly tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	11.22	60.00	673.20	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	850	217.00	184450.00	D.S.R no:7-5-9
	Total				988511.08	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.6			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	15	16549.14	248237.10	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent)	Nos.	15	4866.50	72997.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	650	110.00	71500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	15	750.00	11250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	7.65	60.00	459.00	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	650	217.00	141050.00	D.S.R no:7-5-9
	Total				622605.60	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.27			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	22	16549.14	364081.08	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SQN - T 250 GLA or approved equivalent) .	Nos.	22	4866.50	107063.00	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	1550	110.00	170500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	22	750.00	16500.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	11.22	60.00	673.20	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1550	217.00	336350.00	D.S.R no:7-5-9
	Total				1072279.28	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.29			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	43	16549.14	711613.02	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SQN - T 250 GLA or approved equivalent) .	Nos.	43	4866.50	209259.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	1650	110.00	181500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr .long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	43	750.00	32250.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I. pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	21.93	60.00	1315.80	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1650	217.00	358050.00	D.S.R no:7-5-9
	Total				1571100.32	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING						
ROAD NO.23						
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	21	16549.14	347531.94	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SQN - T 250 GLA or approved equivalent)	Nos.	21	4866.50	102196.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	850	110.00	93500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	21	750.00	15750.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	10.71	60.00	642.60	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	850	217.00	184450.00	D.S.R no:7-5-9
	Total				821183.04	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING			ROAD NO.26			
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	29	16549.14	479925.06	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	0	16929.54	0.00	Market Rate
3.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent)	Nos.	29	4866.50	141128.50	Market Rate
4.0	FEEDER PILLAR	Nos.	1.00	67,242.00	67242.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
5.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	1250	110.00	137500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
6.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	29	750.00	21750.00	D.S.R no:8-3-7
7.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.I.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	2	1410.00	2820.00	D.S.R no:8-3-5
8.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	14.79	60.00	887.40	D.S.R no:8-3-4
9.0	Supply & erecting PVC armoured cable 1100V grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed,with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	30.00	235.00	7050.00	D.S.R no:7-2-20
10.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	1250	217.00	271250.00	D.S.R no:7-5-9
	Total				1129552.96	

Project : DPR FOR ROADS IN NANDED WAGHALA CITY MUNICIPAL CORPORATION UNDER JNNURM						
Client :ITNL						
ESTIMATE FOR ROAD LIGHTING						
ROAD NO.32						
Sr. No.	Description	Unit	Qty	Unit Rate	Amount in Rs.	Reference
1.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long single arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	210	16549.14	3475319.40	Market Rate
2.0	Supply of 11M high hot dip galvanised octagonal pole with top 90 mm A/F, bottom 210 mm A/F made up of 3 mm thk HT steel plate having a base plate of size 300x300x20 with 1500mm long double arm bracket made up of 48.3x3.25mm thk pipe including supply of M24x750MM long 'J' type foundation bolts with template suitable for above pole.	Nos	104	16929.54	1760672.16	Market Rate
3.0	Providing cement concrete foundation including excavation for the poles (45cmsx45cmsx1.2Mr.) deep in 1:3:6 cement concrete(20 to 25mm stone metal)and 45cm. X 45 cm.x45 cm./45cm.dia.x 45 cm.height plinth duly plastered and with necessary curing and finishing in an approved manner (for 11 Mtr pole)	Nos	104	1350.00	140400.00	DSR No:8-2-3
4.0	Street light fixture (including lamp) suitable for 250W HPSV lamp as per technical specifications (Crompton Greaves - SSGUN25IH / SON - T 250 GLA or approved equivalent).	Nos.	418	4866.50	2034197.00	Market Rate
5.0	FEEDER PILLAR	Nos.	5.00	67,242.00	336210.00	Market Rate
	Supply, testing & commissioning of the following factory fabricated MCB distribution board, moisture, dust & vermin proof, suitable for wall/floor mounting complete with copper bus bars, provisions for earthing, painting, canopy, etc. complete as per specification & drawing. The DB shall be provided with timer equipment along with control lead to be mounted within the panel. The timer shall be capable of energising 70A TPN contactor.					
	Incoming					
	100 A 4P MCCB - 1 No.					
	63 A TPN MCB - 1 No.					
	70 A TPN Contactor					
	Outgoing					
	63A 4P MCB – 8 No.					
6.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 4 core 16 S.Q.mm. standed aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x 25 mm.width G.I strip /erected on pole with 25 x 3 mm. M.S clamps / in provided trench in provided pipe in an approved manner	R Mt.	11950	110.00	1314500.00	D.S.R no:7-2-16
	4c x 16 sq.mm.					
7.0	Supplying and erecting pipe type earthing with 40 mm. dia 2.5mtr long 'B' grade G.I pipe or 20mm. Dia.G.I.Rod buried in earth with necessary double G.I earth wire No.8 SWG Complete erected and connected to nearest Switch gears /earth terminal.	Nos.	314	750.00	235500.00	D.S.R no:8-3-7
8.0	Supplying and earthing galvanised cast iron earth plate size 60 x 60 x 0.6cms. Buried in specifically prepared earth pit so as to keep top of earth plate 1.5 mtr. Below ground level with 30. Kg charcoal and salt each complete with necessary length of double G.earth wire SWG connected to plate with cadmium plate G.I nut bolts 12 mtr dia with bituminous compound with 12 mm. dia G.I .pipe 2 mtr.deep but at right angle at 0.6 mtr.blow ground level and remaining portion of G.I wire from surface of the earth to switchgears in PVC pipe upto accessible height duely sealed at both ends by bituminous compound complete connected to the nearest switchgears with end socket as per direction and duely sealed at both ends by bituminous compound complete connected to nearest switchgears with end socket as per direction and duely tested by earth tester and recording the result.	Nos.	10	1410.00	14100.00	D.S.R no:8-3-5
9.0	Supply and installation of 8 SWG GI earth wires for earthing.	Kg.	160.14	60.00	9608.40	D.S.R no:8-3-4
10.0	Supply & erecting PVC armoured cable 1100V ,grade with I.S.I mark 3.5 core 70 S.Q.mm. standed/solid aluminium with 6mm. 25mm. Width M.S.spacers & G.I saddles screwed with continuous 10 SWG G.I.earth wire complete erected on wall /on truses with 22 guage x25mm with G.I. strip /erected on pole with 25 x 3 mm.M.S clamps /in provided trench /in provided pipe in an approved manner.	R Mt.	150.00	235.00	35250.00	D.S.R no:7-2-20
11.0	Supplying and laying Under ground cable protection (including excavation)90 mm. out side dia. Double wall corrugated pipes (DWC) of HDPE with IS 14930 part II mark on it (similar to TELEREX/ ELETREX) with necessary connecting sockets/couplings tees of same material at required depth upto 90 cm.below road /ground surface .back filling with light ramming to make the road /ground surface .back filling with light ramming to make the road /ground surface as it was (except bitumen carpet)	R Mt.	11950	217.00	2593150.00	D.S.R no:7-5-9
	Total				11948906.96	

Road No.	Road Width(M)	Road Length(M)	Array	Spacing	No of Poles Double Bracket	Single Bracket	No. of luminaires	Av Lux.	Total Load(KW)	Starting Current	Running Current	No. of Earth Pit	Length of earth Strip	GI Earth wires(KG)
1	15	750	Staggered	35		44	44	39.6	12.32	31.24	20.83	3	800	22.36714286
2	15	540	Double	35	16.0	0	32	38.2	8.96	22.72	15.15	2	750	8.16
3	18	760	Staggered+M	40	19.0	39	77	45.2	21.56	54.67	36.45	9	2450	29.58
8	24	2903	Staggered+M	40	72.6	146	291	38.1	81.564	206.823	137.88	12	9750	111.54975
9	30	3830	Staggered+M	40	96	193	384	35.6	107.52	272.64	181.76	14	15000	147.0075
7	24	3350	Staggered+M	40	84	168	335	38.8	83.75	237.85	158.57	12	9750	128.1375
11	15	230	OPPOSITE	35		7	14	39.2	3.92	9.94	6.63	3	800	3.351428571
12	18	417	OPPOSITE	33	0	13	26	37.5	7.28	18.46	12.31	9	2450	6.444545455
13	15	667	OPPOSITE	35	0	19	38	39.9	10.64	26.98	17.99	2	750	9.719142857
14	18	978	OPPOSITE	35	0	28	56	35.4	15.68	39.76	26.51	9	2450	14.25085714
15	15	156	OPPOSITE	35	0	4	8	38.6	2.24	5.68	3.79	2	750	2.273142857
16	15	420	OPPOSITE	35	0	12	24	39.2	6.72	17.04	11.36	3	800	6.12
17	24	719	OPPOSITE	25	0	29	58	39.5	14.5	41.18	27.45	12	9750	14.6676
18	18	238	Staggered + M	40	6	13	25	41.9	6.944	17.608	11.74	9	2450	9.6135
19	18	1838	Staggered + M	40	46	93	185	42	51.744	131.208	87.47	12	9750	70.8135
28	18	1399	Staggered + M	40	35	71	141	42	39.48	100.11	66.74	12	9750	54.02175
28(a)	15	663	OPPOSITE	35		39	39	39.3	10.92	27.69	18.46	2	750	19.83171429
30	18	1545	OPPOSITE	35	0	44	88	34.9	24.64	62.48	41.65	12	9750	22.51285714
4	18	307	Staggered + M	40	8	16	32	42	8.876	22.507	15.00	12	9750	12.25275

5	15	769	Double	35	22		44	38.6	12.304	31.19943	20.80	9	2450	11.20542857
6	18	265	OPPOSITE	35		8	16	36.1	4.48	11.36	7.57	12	9750	#REF!
10	24	2736	Staggered + M	40	68	138	274	35.4	68.5	194.54	129.69	12	9750	105.162
24	24	2413	OPPOSITE	25	0	97	194	40.1	48.5	137.74	91.83	12	9750	49.2252
27	15	797	OPPOSITE	35	0	23	46	40.7	12.88	32.66	21.77	2	750	11.61342857
29	18	798	OPPOSITE	35	0	23	46	36.4	12.88	32.66	21.77	12	9750	11.628
31	30	975	OPPOSITE	25	0	39	78	34.1	21.84	55.38	36.92	14	15000	19.89
22	20	320	OPPOSITE	30	0	11	22	37.9	6.16	15.62	10.41	14	15000	5.44
23	15	387	OPPOSITE	35	0	11	22	39.9	6.16	15.62	10.41	2	750	5.639142857
26	30	529	OPPOSITE	25	0	21	42	34.5	11.76	29.82	19.88	14	15000	10.7916
32	30	3954	Staggered + M	40	99	199	452	38.6	126.56	320.92	213.95	14	15000	151.7505
34	18	1062	OPPOSITE	33	0	32	64	37.4	17.92	45.44	30.29	12	9750	16.41272727
35	15	2569	OPPOSITE	35	0	73	146	39.5	40.88	103.66	69.11	2	750	37.434
37	15	520	OPPOSITE	35	0	15	30	40.4	8.4	21.3	14.20	2	750	7.577142857
39	30	2117	Staggered + M	40	53	107	213	35	59.64	151.23	100.82	14	15000	81.48525
40	22	2052	Staggered+M	40	51	103	205	40	57.456	145.692	97.13	14	15000	78.489
38(a)	30	3900	OPPOSITE	25	0	156	312	32.6	87.36	221.52	147.68	14	15000	79.56
41	30	1878	Staggered+M	40	47	94	188	34.9	52.584	133.338	88.89	14	15000	71.8335
42	30	1160	Staggered+M	40	29	58	116	34.6	32.48	82.36	54.91	14	15000	44.37
								1208.002						

Design of Street Lighting

Road No.	Effective Width(M)	Road Width(M)	Road Length(M)	Array	Pole Height(M)	Spacing	NO. of Poles		No. of luminaires
							Double Bracket	Single Bracket	
1	15.6	18	750	OPPOSITE	12	35		44	44
2	12.6	15	540	Double	12	35	15	0	30
3	15.6	18	762	Double	12	35	22	0	44
4	15.6	18	307	Double	12	35	9	0	18
5	12.6	15	769	Double	12	35	22	0	44
6	10.5	18	265	Staggered	12	38	0	15	15
7	21	24	3351	Staggered+M	12	40	84	168	336
8	21	24	2903	Staggered+M	12	40	73	146	292
9	27	30	3830	Staggered+M	12	35	109	219	437
10(a)	24	24	420	Staggered + M	12	40	11	22	44
10(b)	16.2	24	223	Staggered + M	12	38	6	12	24
10(b1)	2.9	24	260	Single(O.H=0.5mtr.)	10	20	0	13	13
10(b2)	2.9	24	260	Single(O.H=0.5mtr.)	10	20	0	13	13
10(c)	19.2	24	597	Staggered + M	12	38	16	34	66
10(d)	22.2	24	1550	Staggered + M	12	38	41	84	166
11	10	15	278	Staggered	12	38	0	15	15
12	10.5	18	417	Staggered	12	38	0	23	23
13	10	15	667	Staggered	12	38	0	32	32
14	10.5	18	978	Staggered	12	38	0	53	53
15	10	15	156	Staggered	12	38	0	9	9
16	10	15	420	Staggered	12	38	0	23	23
17	10.5	24	719	Staggered	12	38	0	39	39
18	15.6	18	238	Double	12	32	7	0	14
19(a)	16.2	17.2	360	Staggered	12	32	0	19	19
19(b)	16.2	18	240	Staggered	12	32	0	15	15
19©	16.2	18	200	Staggered	12	32	0	12	12
19(d)	16.2	17.2	360	Staggered	12	32	0	22	22
19(e)	5.5	6.2	240	Single(O.H=0.5)	12	20	0	12	12
19(f)	5.5	6.2	240	Single(O.H=0.5)	12	20	0	12	12
22	10	20	380	Staggered	12	38	0	21	21
23	10	15	387	Staggered	12	38	0	21	21
24	10.5	24	2413	Staggered	12	38	0	127	127

Road No.	Effective Width(M)	Road Width(M)	Road Length(M)	Array	Pole Height(M)	Spacing	NO. of Poles		No. of luminaires
							Double Bracket	Single Bracket	
26	10.5	30	529	Staggered	12	38	0	29	29
27	12	15	797	OPPOSITE	12	35	0	46	46
28	15.6	18	1399	Double	12	32	41	0	82
28(a)	12	15	663	OPPOSITE	12	35	0	38	38
29	10.5	18	798	Staggered	12	38	0	43	43
30	10.5	18	1542	Staggered	12	38	0	83	83
31	10.5	30	975	Staggered	12	38	0	53	53
32	19.2	30	3954	Staggered + M	12	38	104	210	418
34	10.5	18	1062	Staggered	12	38	0	57	57
35	12	15	2569	OPPOSITE	12	35	0	146	146
37	12.6	15	520	OPPOSITE	12	35	0	30	30
38(a)	10.5	30	3154	Staggered	12	38	0	167	167
39	27	30	2117	Staggered + M	12	35	60	122	242
40	19	22	2052	Staggered+M	12	40	51	154	256
41	19.2	30	1878	Staggered+M	12	40	47	96	190
42	19.2	30	1256	Staggered+M	12	40	31	64	126