

**ABSTRACT OF ESTIMATE FOR ROAD FROM PANDA JI KI MADHIYA TO  
DHANWANTRI NAGAR CHOWK**

**TOTAL LENGTH 2100 METERS**

**SUMMARY SHEET**

| Sr No. | Item Description          | Amount<br>(In Rs.)      |
|--------|---------------------------|-------------------------|
| 1      | ROAD                      | ₹ 3,95,44,800.30        |
| 2      | STORM WATER DRAIN         | ₹ 1,77,03,306.30        |
| 3      | ROAD SIGNAGES             | ₹ 15,77,226.60          |
| 4      | LANDSCAPE WORK            | ₹ 19,53,417.60          |
| 5      | PEDESTRIAN PATH           | ₹ 1,04,66,593.20        |
| 6      | ELECTRICAL WORK           | ₹ 1,35,46,254.85        |
|        | <b>TOTAL</b>              | <b>₹ 8,47,91,598.85</b> |
|        | <b>SAY RS (in Crores)</b> | <b>8.48 Crores</b>      |

**ESTIMATE OF ROAD**

| S.No. | UADD SOR<br>Vol II & III,<br>ITEM NO | Descriptions of Item   | Quantity | Rate    | Revised<br>Reduced<br>Rates as per<br>Order | Unit | Amount         |
|-------|--------------------------------------|--|----------|---------|---|------|----------------|
| 1     | 2.3, (i)<br>Vol III                  | <b>Dismantling</b>   |          |         |   |      |                |
|       |                                      | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead 1000 meter.  |          |         |   |      |                |
|       |                                      | Cement Concrete Grade M-15 & M-20  | 210.00   | 234.00  | 210.60                                      | cum  | ₹ 44,226.00    |
| 2     | 2.40                                 | Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 meter, stacking serviceable and unserviceable materials separately and as per relevant clauses of section-200.   |          |         |   |      |                |
|       | a)                                   | Bituminous courses   | 220.50   | 358.00  | 322.20                                      | cum  | ₹ 71,045.10    |
| 5     | 2.12 vol III                         | Removal of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and up to a lead of 1000 meter and stacking the serviceable and unserviceable material separately.  |          |         |   |      |                |
|       |                                      | <b>Total quantity</b>  | 30.00    | 90.00   | 81.00                                       | each | ₹ 2,430.00     |
| 6     | 3.1, Vol III                         | <b>Excavation</b>  |          |         |   |      |                |
|       |                                      | Excavation for roadway in soil including loading in truck for carrying of cut earth to embankment site with all lifts and lead upto 1000 metres and as per relevant clauses of section-300   |          |         |   |      |                |
|       |                                      | <b>Total quantity</b>  | 16750.00 | 98.00   | 88.20                                       | cum  | ₹ 14,77,350.00 |
| 7     | 3.11, Vol III                        | <b>Earthwork</b>   |          |         |   |      |                |
|       |                                      | Construction of Embankment/Sub grade/ earth shoulders, as per clause 305 & its sub-clauses, Where required but with approved materials/soil like morrum CBR value not less than 7% i/c all lead & lifts i/c excavation, cost of watering, mpaction and maintenance of surface during construction to ensure shedding & preventing ponding of water (clause 305.3.6) shaping & dressing (clause 305.3.7), finishing etc. complete but excluding scarifying existing granular/bituminous road surface vide clause 305.6. |          |         |   |      |                |
|       |                                      | <b>Total quantity</b>  | 6700.00  | 272.00  | 244.80                                      | cum  | ₹ 16,40,160.00 |
| 8     | MP PWD<br>SOR<br>4.12/P-23           | Crusher Run Macadam Sub Base/Base Course<br>Providing crushed stone aggregate, depositing on a prepared surface by hauling vehicles, spreading and mixing with a motor grader, watering and compacting with a vibratory roller to clause 410 to form a layer of sub-base/Base in accordance to Table No. 400-14, 400-15 and as per clause of section 407 of specifications.  |          |         |   |      |                |
|       | 4.12 i                               | For 53 mm maximum size   | 2010.00  | 1181.00 | 1062.90                                     | CuM  | ₹ 21,36,429.00 |
|       | 4.12 i                               | For 37.5 mm maximum size   | 2010.00  | 1171.00 | 1053.90                                     | CuM  | ₹ 21,18,339.00 |

|              |                                     |  |         |          |          |     |                         |
|--------------|-------------------------------------|--|---------|----------|----------|-----|-------------------------|
| 9            | UADD<br>SOR<br>Vol iii<br>4.1/P-30  | Construction of granular sub-base by providing coarse graded material, spreading in uniform layers with on prepared surface, mixing by mix in place method at OMC, and compacting with vibratory roller to achieve the desired density, complete in all respect and as per relevant clauses of section-400.  |         |          |          |     |                         |
|              | (ii)                                | for grading- II Material   | 2010.00 | 614.00   | 552.60   | CuM | ₹ 11,10,726.00          |
| 10           | UADD<br>SOR<br>Vol iii<br>6.1/P-60  | Construction of <b>dry lean cement concrete</b> Sub-base over a prepared sub-gradewith coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table of MORTH Specifications 600-1, cement content not to be less than 200 kg/cum, optimum moisture content to be ndetermined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with paver with electronic sensor/mechanical paver, compacting with 8-10 tonnes vibratory roller, finishing and curing and as per relevant clauses of section-603.   |         |          |          |     |                         |
|              |                                     | Total quantity   | 1340.00 | 2715.00  | 2443.50  | CuM | ₹ 32,74,290.00          |
| 11           | UADD<br>SOR<br>Vol iii<br>6.3/P 60  | Construction of dowel jointed, plain cement concrete pavement in M-40 grade concrete over a prepared sub base with 43 or higher grade cement, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver with electronic sensor, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and ongitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, placing of dowel bar and tie rod, admixtures as approved, curing compound, finishing to lines and grades as per approved drawings as per IRC-15 2002 and as per relevant clauses of section-602 of of MORTH specifications complete but excluding cost of steel in dowel bar & tie rod etc.. |         |          |          |     |                         |
|              |                                     |  | 5880.00 | 4792.00  | 4312.80  | CuM | ₹ 2,53,59,264.00        |
| 12           | UADD<br>SOR<br>Vol iii<br>6.12/P 62 | Add extra in Item No.- 6.3 & 6.5 above for the cost of stell in dowel bar and tie rod etc. required as per design.   |         |          |          |     |                         |
|              |                                     | Mild Steel dowel bars  | 46.48   | 47850.00 | 43065.00 | MT  | ₹ 20,01,661.20          |
|              |                                     | Tor steel tie rod  | 6.50    | 52800.00 | 47520.00 | MT  | ₹ 3,08,880.00           |
| <b>TOTAL</b> |                                     |  |         |          |          |     | <b>₹ 3,95,44,800.30</b> |

**ESTIMATE OF STORM WATER DRAIN**

| S No. | UADD SOR ITEM NO | Descriptions of Item   | Quantity | Rate    | Revised Reduced Rates as per Order | Unit |                |
|-------|------------------|--|----------|---------|------------------------------------|------|----------------|
|       |                  |  |          |         |                                    |      |                |
| 1     | Vol. II 2.6.1    | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.   |          |         |                                    |      |                |
|       | 2.9.1            | All kind of soil   | 4032.00  | 127.00  | 114.30                             | cum  | ₹ 4,60,857.60  |
| 2     | Vol II 2.27.1    | Supplying and filling in plinth under floors including, watering, ramming consolidating and dressing complete.<br><b>Crusher Stone Dust</b>  |          |         |                                    |      |                |
|       | 2.27.1           | Crusher Stone Dust   | 336.00   | 628.00  | 565.20                             | cum  | ₹ 1,89,907.20  |
| 3     | Vol. I 16.15.2   | Carriage of Material by Mechanical transport including loading unloading & stacking etc.   |          |         |                                    |      |                |
| a     |                  | For 1 km lead  | 120.00   | 91.25   | 82.13                              | Cum  | ₹ 10,950.00    |
| b     |                  | For 2 km lead  | 145.00   | 101.25  | 91.13                              | Cum  | ₹ 14,681.25    |
| c     |                  | For 3 km lead  | 195.00   | 110.00  | 99.00                              | Cum  | ₹ 21,450.00    |
| d     |                  | For 4 km lead  | 735.00   | 118.75  | 106.88                             | Cum  | ₹ 87,281.25    |
| e     |                  | For 5 km lead  | 850.00   | 127.50  | 114.75                             | Cum  | ₹ 1,08,375.00  |
| f     |                  | Beyond 5 Kms and upto 10 Kms (add for every Km)  |          |         |                                    |      |                |
|       |                  | For 6 km lead  | 300.00   | 133.50  | 120.15                             | Cum  | ₹ 40,050.00    |
|       |                  | For 7 km lead  | 520.00   | 139.50  | 125.55                             | Cum  | ₹ 72,540.00    |
|       |                  | For 8 km lead  | 720.00   | 145.50  | 130.95                             | Cum  | ₹ 1,04,760.00  |
|       |                  |  |          |         |                                    |      |                |
|       |                  |  |          |         |                                    |      |                |
|       |                  | <b>Cement Concrete M-20 ( Duct)</b>  |          |         |                                    |      |                |
| 3     | 4.1.2 Vol II     | Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering All work up to plinth.   |          |         |                                    |      |                |
|       |                  | <b>M 15 with 20mm maxumum size of aggregate.</b>   | 336.00   | 4154.00 | 3738.60                            | cum  | ₹ 12,56,169.60 |
| 4     | 5.1.1 Vol II     | Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement. including Admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. M-25 grade reinforced cement concrete by using 410 kg. of cement per cum of concrete. All work up to floor 2 level. |          |         |                                    |      |                |
|       |                  | <b>Total quantity</b>  | 1512.00  | 5245.00 | 4720.50                            | cum  | ₹ 71,37,396.00 |

|    |               |   |          |         |         |       |                         |
|----|---------------|---|----------|---------|---------|-------|-------------------------|
| 5  | 5.20.6 Vol II | Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.  |          |         |         |       |                         |
|    | 5.20.6        | Thermo-Mechanically Treated bars  |          |         |         |       |                         |
|    |               |   | 94953.60 | 60.00   | 54.00   | Kg    | ₹ 51,27,494.40          |
| 6  | 20.1.1 Vol II | <b>Form work for Duct</b>   |          |         |         |       |                         |
|    |               | Centering and shuttering including strutting, propping etc.and removal of form for :  |          |         |         |       |                         |
| 7  | 20.1.1        | Foundations, footings, bases of columns, etc. For mass concrete.  |          |         |         |       |                         |
|    |               | <b>Total quantity</b>   | 14280    | 138.00  | 124.20  | Sqm   | ₹ 17,73,576.00          |
| 8  | 10.25         | Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.   |          |         |         |       |                         |
|    | 10.25.2       | In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.  | 8700.00  | 67.00   | 60.30   | Kg    | ₹ 5,24,610.00           |
| 9  | 24.13         | Providing and laying below ground unplasticised PVC pipe to with stand working pressure of 4 kg/cm <sup>2</sup> soild waste pipes confirming to IS:13592 and IS:4985 including jointing with seal ring confirming to IS :5282 leaving 10mm gap for thermal expansion all necessary fittings etc. complete.  |          |         |         |       |                         |
|    |               | <b>110 mm diameter OD</b>   | 800      | 159.00  | 143.10  | Each  | ₹ 1,14,480.00           |
| 10 | 24.20.        | Providing and fixing in position pre-cast R.C.C. manhole cover and frame of require shape and approved quality.   |          |         |         |       |                         |
|    | 24.20.3       | HD 20   |          |         |         |       |                         |
|    | 24.20.3.1     | Circular shape 560 mm internal diameter   | 440      | 1298.00 | 1168.20 | meter | ₹ 5,14,008.00           |
| 10 | 24.9          | Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete grade M-15 (Nominal Mix with 20mm maximum size of stone aggregate) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : |          |         |         |       |                         |
|    |               | <b>For pipes 100 to 250 mm diameter</b>   | 800      | 201.00  | 180.90  | Each  | ₹ 1,44,720.00           |
|    |               |   |          |         |         |       | <b>₹ 1,77,03,306.30</b> |

**ESTIMATE OF ROAD MARKING, STREET FURNITURES**

| S No. | UADD<br>SOR ITEM<br>NO | Descriptions of Item  | Quantity       | Rate          | Revised<br>Reduced<br>Rates as<br>per Order | Unit       | Amount                |
|-------|------------------------|---|----------------|---------------|---|------------|-----------------------|
| 1     | Item 8.10<br>Vol III   | <b>Road Marking</b>   |                |               |   |            |                       |
|       |                        | <b>Solid Lines in White Colour</b>  |                |               |   |            |                       |
|       |                        | Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes and as per relevant clauses of section-800.   |                |               |   |            |                       |
|       |                        | Solid Lines in White Colour   | 600.00         |               |   |            |                       |
|       |                        | Broken Lines in White Colour  | 300.00         |               |   |            |                       |
|       |                        | Stop Lines in White Colour  | 120.00         |               |   |            |                       |
|       |                        | Applying Zebra Crossing   | 480.00         |               |   |            |                       |
|       |                        | <b>Total Quantity</b>   | <b>1500.00</b> | <b>900.00</b> | <b>810.00</b>                               | <b>Sqm</b> | <b>₹ 12,15,000.00</b> |
| 2     | Item 8.8<br>Vol III    | <b>Painting lines, dashes, arrows etc</b>   |                |               |   |            |                       |
|       |                        | Painting lines, dashes, arrows etc on roads in two coats on new work with ready mixed road marking paint conforming to IS:164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per relevant clauses of section-800 & I.R.C.-67 including cost of paint etc. complete.   | 1575.00        | 70.00         | 63.00                                       | Sqm        | ₹ 99,225.00           |
| 3     | Item No 8.3<br>Vol III | <b>Signages</b>   |                |               |   |            |                       |
|       |                        | Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm (height from crown level of the road and bottom of the sign board shall not be less than 1.5 m.) firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing including painting of vertical post as per specification. |                |               |   |            |                       |
|       |                        | 90 cm equilateral triangle  | 16.00          | 3715.00       | 3343.50                                     | Nos        | ₹ 53,496.00           |
|       |                        | 80 cm x 60 cm rectangular   | 32.00          | 4537.00       | 4083.30                                     | Nos        | ₹ 1,30,665.60         |
| 4     | 8.12 Vol III           | Road Delineators (Supplying and installation of delineators (road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 15 cm wide stripes, fitted with 80 x 100 mm rectangular or 75mm dia circular reflectorised panels at the top, buried or pressed into the ground and confirming to IRC-79 and the drawings as per relevant clauses of section-800 of specifications.  |                |               |   |            |                       |

|              |              |  |        |        |        |      |                       |
|--------------|--------------|--|--------|--------|--------|------|-----------------------|
|              |              |  | 100.00 | 292.00 | 262.80 | each | ₹ 26,280.00           |
|              |              |  |        |        |        |      |                       |
|              | 8.20 Vol III | Road Markers/Road Stud with Lense Reflector (Providing and fixing of road stud 100x 100 mm, dia cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS 873 part 4:1973) |        |        |        |      |                       |
|              |              |  | 200.00 | 292.00 | 262.80 | each | ₹ 52,560.00           |
| <b>TOTAL</b> |              |  |        |        |        |      | <b>₹ 15,77,226.60</b> |

**Landscape Development along Proposed Road**

| S.No. | SOR Ref              | Particular of item   | Qty     | Unit    | Rate   | Revised Reduced Rates as per Order | Total Amount |
|-------|----------------------|--|---------|---------|--------|------------------------------------|--------------|
| 1     | UADD SOR VOL II 19.1 | Trenching in ordinary Soil upto a depth of 60 Cm including removal & Stacking of serviceable Material and then disposing of by speading and neatly leveling with in lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water(excluding cost of imported earth,sludge or manure) | 1200.00 | CUM     | 129.00 | 116.10                             | 139320.00    |
| 2     | UADD SOR VOL II 19.2 | Supplying & Stacking of good earth at site including royalty & carriage up to 1km(earth measured in stacks will be reduced by 20% for Payment)   | 600.00  | CUM     | 184.00 | 165.60                             | 99360.00     |
| 3     | UADD SOR VOL II 19.3 | Supplying & Stacking Sludge at Site including royalty Carriage up to 1 km(sludge measured in stack will be reduced by 8% for payment)  | 600.00  | CUM     | 162.00 | 145.80                             | 87480.00     |
| 4     | 19.4.1               | Supplying & stacking at site dump manure From Approved Source including carriage up to 1 km(manure Measured in stacks will be reduced by 8% for payment) screened through sieve of I.S.designation 20mm  | 600.00  | CUM     | 105.00 | 94.50                              | 56700.00     |
| 5     | 19.5                 | Rough dressing the trenched ground including breaking clods.   | 1200.00 | 100 SQM | 42.00  | 37.80                              | 453.60       |
| 6     | UADD SOR VOL II 19.6 | Uprooting Weeds From the trenched Area after 10 to 15 Days of its Flooding with water including Disposal of Uprooted Vegetation.   | 1200.00 | 100 CUM | 137.50 | 123.75                             | 1485.00      |
| 7     | UADD SOR VOL II 19.8 | Spreading of Sludge ,Dump manure & good earth in required thickness (cost of sludge, dump manure or And good earth to be paid separately)  | 1200.00 | CUM     | 15.00  | 13.50                              | 16200.00     |
| 8     | UADD SOR VOL II 19.9 | Mixing earth & sludge or manure in proportion Specified or directed.   |         |         |        |                                    |              |
|       |                      | Adding the quantity of earth, sludge and manure  | 1800.00 | CUM     | 102.00 | 91.80                              | 165240.00    |
| 9     | MP PWD 23.10         | Total Cast of Selection-one Grass (Carpet Grass)including Leveling shaping compaction work soil treatment, grass fixing charges cost of irrigation deweeding ,Hoing & maintenance up to 90 Days  | 300.00  | SQM     | 197.00 | 177.30                             | 53190.00     |

|    |                       |  |         |      |         |         |           |
|----|-----------------------|--|---------|------|---------|---------|-----------|
| 10 | 19.13                 | Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1(8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately). | 1200.00 | CUM  | 62.00   | 55.80   | 66960.00  |
| 11 | UADD SOR VOL II 19.14 | Digging holes in ordinary Soil & refilling the same with the Excavated Earth mixed with Manure or sludge in the ratio of 2:1 by volume( 2 Part of Stacked, Volume of earth after reduction by 20% 1 Part of Stacked Volume of manure after reduction by 8%) flooding with Water dressing including removal of rubbish & Surplus earth. If any with all leads & Lifts(Cost of manure / Sludge/ Soil if needed to be paid for separately)  |         |      |         |         |           |
|    |                       | Holes 60 cm dia and 60 cm deep   | 1400.00 | EACH | 24.00   | 21.60   | 30240.00  |
|    |                       | Holes 45 cm dia and 45 cm deep   | 3500.00 | EACH | 21.00   | 18.90   | 66150.00  |
|    |                       | Holes 30 cm dia 30 cm deep   | 3500.00 | EACH | 10.00   | 9.00    | 31500.00  |
|    |                       | Hedge & other Cluster Ground Cover Plantation & Digging Charges  |         |      |         |         |           |
| 12 | UADD SOR VOL II 19.16 | Providing and fixing M.S. flat iron tree guard 60cm dia. and 2m height above ground level formed of 4 nos. 25x6mm and 8 nos. 25x3mm vertical M.S. flats rivetted to 3 nos. 25x6mm M.S. flat iron rings in two halves, bolted together with 8mm dia. and 30mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects.  | 150.00  | EACH | 2037.00 | 1833.30 | 274995.00 |
| 15 | MP PWD SOR 23.15      | Providing and Planting different Variety of Plants of approved quality and Size as mentioned   |         |      |         |         |           |
| 16 | MP PWD SOR 23.15.1    | Any of one from Plumeria alba, Ficua benjamina, Michelia champaca, Begonia, Plumria Pudica plants or equivalent (1.80 m to 2 m height) or equivalent   | 150.00  | EACH | 645.00  | 580.50  | 87075.00  |
| 17 | MP PWD SOR 23.15.2    | Any of one from Lantana Variagated/red, Lantana blue white, Hamelia Patens, dwarf, Langtana variagated, Tecoma radicans, Duranta plumieri (golden) (Height 0.3 m to 0.45 m) or equivalent  | 4000.00 | EACH | 33.00   | 29.70   | 118800.00 |
| 18 | MP PWD SOR 23.15.3    | Any of one from Hibiscus, Galphimia, Bamboo variagated, TMC spp., Hamelia patens, Bougainvillea, Canna red/yellow, Jaquemontia (height 0.3 m to 0.45 m) or equivalent  | 2500.00 | EACH | 54.00   | 48.60   | 121500.00 |

|                          |                    |   |         |      |         |         |                   |
|--------------------------|--------------------|---|---------|------|---------|---------|-------------------|
| 19                       | MP PWD SOR 23.15.4 | Any of one from spathodia, Silver oak, Thuja, Bottle brush, Ixora coccinea, (height 0.45 m to 0.60 m) or equivalent | 150.00  | EACH | 319.00  | 287.10  | 43065.00          |
| 20                       | MP PWD SOR 23.15.5 | Any of one from Clerodendron inermi, Allamanda nerifolia, Allamanda cathartica, Bougainvillea or equivalent         | 4000.00 | EACH | 96.00   | 86.40   | 345600.00         |
| 21                       | MP PWD SOR 23.15.7 | Foxtail palm or equivalent (1.80 m to 2.10 m height) or equivalent  | 30.00   | EACH | 1784.00 | 1605.60 | 48168.00          |
| 22                       | MP PWD SOR 23.15.8 | Cycus (1.80 m to 2.10 m height) or equivalent   | 20.00   | EACH | 3067.00 | 2760.30 | 55206.00          |
| 23                       | MP PWD SOR 23.15.9 | Ficus spp. (1.80 m to 2.10m height) or equivalent   | 50.00   | EACH | 994.00  | 894.60  | 44730.00          |
|                          |                    |   |         |      |         |         |                   |
| <b>development along</b> |                    |   |         |      |         |         | <b>1953417.60</b> |

## ESTIMATE OF PEDESTRIAN PATH

TOTAL LENGTH 2100 METERS

| S No. | UADD SOR<br>ITEM NO | Descriptions of Item   | Quantity | Rate    | Revised<br>Reduced | Unit         | AMOUNT                  |
|-------|---------------------|--|----------|---------|--------------------|--------------|-------------------------|
| 1     | 4.1 Vol II          | <b>Cement Concrete M - 15</b>  |          |         |                    |              |                         |
|       |                     | Providing and laying in position cement concrete in foundation Up to plinth level.   |          |         |                    |              |                         |
|       | 4.1.2               | Cement concrete grade M-15 (Nominal Mix) with 20 mm maximum size of stone aggregate  | 726.00   | 4154.00 | 3738.60            | Sqm          | ₹ 27,14,223.60          |
| 2     | 11.20 Vol II        | Chequered precast cement concrete tiles 18-20mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).   |          |         |                    |              |                         |
|       | 11.20.1             | <b>Medium Shade Using 50% white Cement &amp; 50% grey cement</b>   | 7050.00  | 840.00  | 756.00             | SqM          | ₹ 53,29,800.00          |
| 3     |                     | <b>Kerb Stone</b>  |          |         |                    |              |                         |
|       | 11.49, Vol II,      | Providing and laying at or near ground level factory made kerb stone of M- 25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge). |          |         |                    |              |                         |
|       |                     | <b>Total Quantity</b>  | 528.00   | 5098.00 | 4588.20            | CuM          | ₹ 24,22,569.60          |
|       |                     |  |          |         |                    |              |                         |
|       |                     |  |          |         |                    | <b>TOTAL</b> | <b>₹ 1,04,66,593.20</b> |

**Overhead - Electrical work- Pandaji ki Madiya Road Light (2100 Mrts Road)**

| Sr. No. | Item Code            | Description / Specification  | Quantity | Unit   | Rate      | Cost Index | Amount              |
|---------|----------------------|--|----------|--------|-----------|------------|---------------------|
| 1       | MP PWD<br>31.29      | Supplying and fixing <b>street light with high power LED</b> of 1 to 3 W each assembled on single MCPCB, system lumens output with efficacy>90 lm/W. luminaire having color temp 6500K & 50000 burning hrs life with minimum @ L 70, The colour rendering index of LED light should be more than 70. Luminaire comprises of driver, PF 0.95 & surge protection 3KV. Housing made of pressure die cast aluminium with heat resistant flat glass / Lens type, IP65 protection. Submission LM 80-08 Form LED Source Manufacturer & LM79-08 / IS16106 from NABL approved lab. Manufacturer mandatory i/c 50mm.dia G.I. Pipe bracket upto 2 mtr. long in required angle/shape, connection lead, testing etc to complete the job. 2 Yrs Guarantee certificate from manufacturer. |          |        |           |            |                     |
| 2       | MP PWD<br>31.29.5    | <b>120 Watt,</b>   | 80.00    | Each   | 17,888.00 | 16,099.20  | <b>12,87,936.00</b> |
| 3       | UADD SOR<br>14.1     | Supply of <b>XLPE Insulated power cable</b> (conforming IS- 7098 ) 1100 Volt grade/Heavy duty power cable conforming to IS 1554-1100 Volts grade , 2 core /3½ core/4 core ISI MARKED with Alu. Stranded /solid conductor   |          |        |           |            |                     |
| 4       | UADD SOR<br>14.1.1   | UNARMoured 2 Core  |          |        |           |            |                     |
| 5       | UADD SOR<br>14.1.1.1 | 2.5 Sq.mm.(Heavy Duty)   | 240.00   | Meters | 47.00     | 42.30      | <b>10,152.00</b>    |
| 6       | UADD<br>10.33.10     | Earth work in rough excavation in all kinds of soil rate from Building ISSR  | 30.00    | CUM    | 203.00    | 182.70     | <b>5,481.00</b>     |
| 7       | UADD<br>10.33.15     | Cement concrete grade M-20 (Nominal Mix) with 20mm maximum size of stone aggregate (rate from Building ISSR)   | 20.00    | CUM    | 4,594.00  | 4,134.60   | <b>82,692.00</b>    |
| 8       | UADD SOR<br>13.2     | Supply of support for overhead line <b>RS joist / H-beam</b> of I.S. standard including welding, drilling of required hole etc. complete as required.  |          |        |           |            |                     |
| 9       | UADD SOR<br>13.2.2   | R.S. Joist 175 x 90 - 19.3 kg per meter  | 810.00   | Meters | 1,029.00  | 926.10     | <b>7,50,141.00</b>  |
| 10      | UADD SOR<br>13.2.6   | H-Beam 152x152mm , Std weight 37.1 kg per meter  | 338.00   | Meters | 1,977.00  | 1,779.30   | <b>6,01,403.40</b>  |
| 11      | UADD SOR<br>13.13    | Erection of steel tubular or steel rail pole or H-Beam of length exceeding 8 meters but not exceeding 10 meters in cement concrete 1:3:6 (1 cement : 3 coarse sand: 6 graded stone aggregate 40mm nominal size) <b>foundation</b> , base padding & muffing including excavation and refilling etc. as required.(4.55 bags of cement/cmt.)  | 65.00    | Each   | 2,163.00  | 1,946.70   | <b>1,26,535.50</b>  |
| 12      | UADD SOR<br>13.14    | Erection of steel tubular or steel rail pole or H-Beam of length exceeding 10 meters but not exceeding 13 meters in cement concrete 1:3:6 (1 cement :3 coarse sand: 6 graded stone aggregate 40mm nominal size) <b>foundation</b> , base padding & muffing including excavation and refilling etc. as required.(4.55 bags of cement/cmt.)  | 50.00    | Each   | 2,563.00  | 2,306.70   | <b>1,15,335.00</b>  |
| 13      | UADD SOR<br>13.58    | Supplying of <b>angle/channel flat iron fitting</b> for overhead lines such as cross arms, clamps, brackets, welding and other necessary materials as per specifications.  | 5,500.00 | Kg     | 54.00     | 48.60      | <b>2,67,300.00</b>  |
| 14      | UADD SOR<br>13.79    | Supplying and erection of 11kV pin insulator complete with large steel head G.I. pin, nut, washer etc. as required.  | 50.00    | Set    | 375.00    | 337.50     | <b>16,875.00</b>    |
| 15      | UADD SOR<br>13.80    | Supplying and erection of 11kV disc insulator for 11kV overhead lines with galvanized insulator fittings, ball and socket type, and complete with galvanized strain clamp, bolts, nuts washer etc. as required.  | 25.00    | Set    | 1,089.00  | 980.10     | <b>24,502.50</b>    |
| 16      | UADD SOR<br>13.81    | Supplying and erection of 33kV pin insulator complete with large steel head G.I. pin, nut, washer etc. as required.  | 7.00     | Set    | 1,012.00  | 910.80     | <b>6,375.60</b>     |
| 17      | UADD SOR<br>13.82    | Supplying and erection of 11kV disc insulator for 33kV overhead lines with galvanized insulator fittings, ball and socket type, and complete with galvanized strain clamp, bolts, nuts washer etc. as required.  | 3.00     | Set    | 3,067.00  | 2,760.30   | <b>8,280.90</b>     |
| 18      | UADD SOR<br>13.86    | Painting of Pole Bracket cable Protecting Pipe and its clamps in two coatings of All enamel based Primer as directed by Engineer-Charge.   |          |        |           |            |                     |
| 19      | UADD SOR<br>13.86.2  | Primer Cost over new Steel and other metallic surface with red oxide / zinc chromide paint complete with supply of material labour etc. Including preparation of Surface.  | 400.00   | Sqm    | 21.00     | 18.90      | <b>7,560.00</b>     |

|    |                     |  |          |        |           |           |              |
|----|---------------------|--|----------|--------|-----------|-----------|--------------|
| 20 | UADD SOR<br>13.86.3 | Primer cost with aluminum paint, brushing complete with material and labour including preparation of surface.  | 400.00   | Sqm    | 28.00     | 25.20     | 10,080.00    |
| 21 | UADD SOR<br>15.13   | Supplying, installing, <b>testing of earth Coil</b> (coil of 115 turns of 50mm dia, and 2.5 Mtrs. Lead of 4 mm G.I wire.   | 140.00   | Each   | 219.00    | 197.10    | 27,594.00    |
| 22 | UADD SOR<br>19.183  | Cable connector 35mm   | 150.00   | Each   | 90.00     | 81.00     | 12,150.00    |
| 23 | MP PWD<br>42.63     | Supplying and fixing 33/11/0.4 KV enamel coated <b>danger board</b> size 200x250mm with clamp on existing HT/LT structure / poles.   | 70.00    | Each   | 148.00    | 133.20    | 9,324.00     |
| 24 | MP PWD<br>42.85     | Supplying & drawing / laying of PVC insulated <b>XLPE Aerial bunch power cable conductor</b> H2/H4 grade Aluminium Solid/stranded conforming to IS-14255- 1995, Alu. Alloy insulated messenger 1100 volts grade cable of approved make in Air with necessary material as per specification of required size as mentioned below –   |          |        |           |           |              |
| 25 | MP PWD<br>42.85.2   | (ii) Single Core cable( Insulated neutral messenger)   |          |        |           |           |              |
| 26 | MP PWD<br>42.85.2.3 | (c) <b>3x50 Sq.mm</b> , 1x16(St.Light), 1x35( Insulated neutral messenger)   | 300.00   | Meters | 288.00    | 259.20    | 77,760.00    |
| 27 | MP PWD<br>42.85.2.4 | (d) <b>3x70 Sq.mm</b> , 1x16(St.Light), 1x35( Insulated neutral messenger)   | 300.00   | Meters | 390.00    | 351.00    | 1,05,300.00  |
| 28 | MP PWD<br>42.85.2.5 | (e) <b>3x95 Sq.mm</b> , 1x16(St.Light), 1x50( Insulated neutral messenger)   | 3,200.00 | Meters | 584.00    | 525.60    | 16,81,920.00 |
| 29 | MP PWD<br>42.86     | Supplying & fixing of Aerial bunch cable accessories suspension clamps i/c required attachment for single core cable of approved make on pole with clamp, necessary material as per specification for required size.   | 30.00    | Each   | 343.00    | 308.70    | 9,261.00     |
| 30 | MP PWD<br>42.87     | Supplying & fixing of Aerial bunch cable accessories Tension clamps(Dead end) i/c required attachment for single core cable of approved make in Air with clamp, necessary material as per specification for required size.   | 90.00    | Each   | 371.00    | 333.90    | 30,051.00    |
| 31 | MP PWD<br>42.89     | Supplying & fixing of Spring loaded bus bar screw less connector with enclosure of approved make including required clamps, nut, bolt, connection, testing as per specification to complete the job.   |          |        |           |           |              |
| 32 | MP PWD<br>42.89.2   | Three Phase  |          |        |           |           |              |
| 33 | MP PWD<br>42.89.2.2 | 3Ph, 1In + 4Out  | 20.00    | Each   | 6,352.00  | 5,716.80  | 1,14,336.00  |
| 34 | UADD SOR<br>15.3    | Supplying installing and testing of AB isolating switch assembly set gang operated suitable for 11/0.4 KV, DP structure with brass part contacts, operating rod with required GI pipe, handle locking arrangement on On-Off position conforming to IS complete with required material and installing on existing structure to complete the job as required as per specification. |          |        |           |           |              |
| 35 | UADD SOR<br>15.3.1  | 11 kV  | 9.00     | Set    | 7,099.00  | 6,389.10  | 57,501.90    |
| 36 | UADD SOR<br>15.4    | Supplying, installing ,testing of 11 KV D.O. fuse assembly with brass part contact for 11/0.4 KV DP Structure set of 3 with fuse with barrel with required fuse element & other materials as per specification on existing D.P. structure as required.(set of 3nos.)   |          |        |           |           |              |
| 37 | UADD SOR<br>15.4.1  | 11kV   | 8.00     | Set    | 4,700.00  | 4,230.00  | 33,840.00    |
| 38 | UADD SOR<br>13.84   | Supplying and erection of three piece nonlinear resistor type <b>lighting arrester</b> suitable for 3 wire, 11kV overhead lines with rated voltage of 9KV (rms) with a nominal discharge current rating of 5 KA and complete with galvanized clamping arrangement, G.I. bolts, nuts, washer etc. as required.  | 8.00     | Set    | 4,284.00  | 3,855.60  | 30,844.80    |
| 39 | UADD SOR<br>15.7    | Supplying, installing, testing and commissioning of LT Distribution Box with TPN isolator 200 amper on incoming, bus bar and 6 S.P.M.C.C.B.of 60 A" .on outgoing side for 63 KVA transformer   |          |        |           |           |              |
| 40 | UADD SOR<br>15.7    | (i)Supplying, installing, testing and commissioning of LT Distribution Box with TPN isolator 200 amper on incoming, bus bar and 6 S.P.M.C.C.B.of 90 A" .on outgoing side for 100 KVA transformer   | 2.00     | Each   | 17,036.00 | 15,332.40 | 30,664.80    |
| 41 | UADD SOR<br>15.7    | (ii)Supplying, installing, testing and commissioning of LT Distribution Box with TPN isolator of 600 amper on incoming, bus bar and 6 S.P.M.C.C.B.of 120 A" .on outgoing side for 200 KVA transformer  | 2.00     | Each   | 28,393.00 | 25,553.70 | 51,107.40    |

|    |                     |   |          |        |           |           |                    |
|----|---------------------|---|----------|--------|-----------|-----------|--------------------|
| 42 | UADD SOR<br>13.5    | Supplying and drawing All <b>Aluminum Alloy conductor (AAAC)</b> of approved make confirming to IS 398-1979 Pt. IV, including binding at existing insulator, jointing, jumpering, tearing off, connecting etc. as required including clearing of obstacles (if any)   |          |        |           |           |                    |
| 43 | UADD SOR<br>13.5.4  | 0.075 sq.inch / 48 sq.mm Alloy Aluminum Conductor   | 0.30     | KM     | 59,138.00 | 53,224.20 | <b>15,967.26</b>   |
| 44 | MP PWD<br>42.5      | Supplying and drawing All Aluminum Alloy conductor (AAAC) of approved make confirming to IS 398-1979 Pt. IV, including binding at existing insulator, jointing, jumpering, tearing off, connecting etc. as required including clearing of obstacles (if any)  |          |        |           |           |                    |
| 45 | MP PWD<br>42.5.4    | AAAC 0.1 sq inch (100 Sq.mm Al. EQ. ) - (Dog)   | 0.30     | KM     | 77,891.00 | 70,101.90 | <b>21,030.57</b>   |
| 46 | UADD SOR<br>13.65   | Supplying of 50mmx 8mm M.S. Flat iron pole top bracket/cross arm for single 11/22/33kV overhead line conductor complete with fixing bolts, nuts and washers drilling holes for insulator pins, painting with primer and finish paint as required.   | 45.00    | Each   | 280.00    | 252.00    | <b>11,340.00</b>   |
| 47 | UADD SOR<br>14.8    | Supplying and fixing cramping type <b>Alum. lugs</b> as per I.S.S.Specification suitable for following size of cable with Alu. /Copper solid/stranded conductor evenly cramped with high/pressure tool and connected to switch gear/Bus/M.C.C.B./ M.C.B. etc. as required complete.For Conductor Size-  |          |        |           |           |                    |
| 48 | UADD SOR<br>14.8.2  | 25 Sq.mm  | 48.00    | Each   | 7.00      | 6.30      | <b>302.40</b>      |
| 49 | UADD SOR<br>14.8.3  | 35 Sq.mm  | 30.00    | Each   | 9.00      | 8.10      | <b>243.00</b>      |
| 50 | UADD SOR<br>14.8.4  | 50 Sq.mm  | 30.00    | Each   | 14.00     | 12.60     | <b>378.00</b>      |
| 51 | UADD SOR<br>14.8.6  | 95 Sq.mm  | 24.00    | Each   | 24.00     | 21.60     | <b>518.40</b>      |
| 52 | UADD SOR<br>14.8.8  | 150 Sq.mm.  | 24.00    | Each   | 44.00     | 39.60     | <b>950.40</b>      |
| 53 | UADD SOR<br>14.8.10 | 240 Sq.mm.  | 24.00    | Each   | 93.00     | 83.70     | <b>2,008.80</b>    |
| 54 | UADD SOR<br>14.8.11 | 300 Sq.mm.  | 24.00    | Each   | 129.00    | 116.10    | <b>2,786.40</b>    |
| 55 | UADD SOR<br>13.8    | Supplying and drawing guard wire/earth wire/bearer wire 13mm <sup>2</sup> (4mm. Dia) G.I. including stringing, binding at existing insulators or brackets, jointing, jumpering, connecting etc. as required and clearing of obstacles (if any)  | 0.30     | KM     | 9,176.00  | 8,258.40  | <b>2,477.52</b>    |
| 56 | UADD SOR<br>13.24   | Supplying and erection of stay set complete (Galvanized) with 19mm.dia 1.8 meter long stay rod, anchor plate of size 300mm x 300 mm x 6.4mm thimble stay clamps,bowtightener, 7/3.15 dia G.I. stay wire and strain insulator etc. in cement concrete 1:3:6 (1 Cement : 3 Coarse and : 6 graded stone aggregate 40mm nominal size) foundation including excavation and refilling etc. as required.   | 14.00    | Each   | 2,634.00  | 2,370.60  | <b>33,188.40</b>   |
| 57 | UADD SOR<br>13.62   | Supplying and erection of galvanized stay set for 33kV overhead line complete with 19/20mm dia x 1.8 meters long stay rod, anchor plate of size 45cm x 45cm x 7.5mm thick, thimble, stay clamps, turn buckle (20mmx 600mm), 7/4.00mm dia G.I. stay wire and 33kV strain insulator etc. in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm. nominal size) foundation including excavation and refilling etc. as required.  | 10.00    | Each   | 2,906.00  | 2,615.40  | <b>26,154.00</b>   |
| 58 | MP PWD<br>42.68     | Supplying and fixing Limit switch with accessories & arrangement on existing HT/LT structure / poles AB switch handle for inter locking between distribution panel main incoming LT switch gear/ system as required to complete the job. ( <b>Distrubtion Box for house connection</b> )  | 60.00    | Each   | 1,778.00  | 1,600.20  | <b>96,012.00</b>   |
| 59 |                     | <b>Earthing</b>   |          |        |           |           |                    |
| 60 | UADD SOR<br>11.40   | Supplying and erecting earth pit of minmum bore dia 150 mm size, approved make safe earthing electrode consiting pipe in pipe technologie as per IS 3043-1987 made of corriasion free GI pipes having outer pipe dia of 50 mm having 80-200 micron galvanising, inner pipe dia of 25 mm having 20-250 micron galavinsing, connection teriminal dia of 12 mm with constent OHMIC value sourrounded by highly conductiv compund with high charge disipation sutible for effective and maintence free earthing |          |        |           |           |                    |
| 61 | UADD SOR<br>11.40.2 | with 3 mtr. Pipe in normal soil with 50 kg (two bag) back filling compound  | 18.00    | Each   | 10,800.00 | 9,720.00  | <b>1,74,960.00</b> |
| 62 | UADD SOR<br>11.8    | Supplying and laying <b>25mm X 5mm G.I. strip</b> at 0.5 meter below ground level as strip earth electrode including soldering etc. as required.  | 2,500.00 | Meters | 66.00     | 59.40     | <b>1,48,500.00</b> |

|    |                         |  |           |           |             |             |  |              |
|----|-------------------------|--|-----------|-----------|-------------|-------------|--|--------------|
| 63 | UADD SOR<br>11.37       | Providing and laying earth continuity conductor including fixing with  |           |           |             |             |  |              |
| 64 | UADD SOR<br>11.37 (B)   | G.I. Or Steel Earth Continuity Conductor :-  |           |           |             |             |  |              |
| 65 | UADD SOR<br>11.37 (B) 2 | 10 Sq mm.  | 500.00    | Meters    | 9.00        | 8.10        |  | 4,050.00     |
| 67 |                         | <b>Dismantal / Shifting Work</b>   |           |           |             |             |  |              |
| 68 | UADD SOR<br>13.57       | Dismantling poles / street light standards / struts embedded in cement concrete foundation etc. as required.   | 90.00     | Each      | 609.00      | 548.10      |  | 49,329.00    |
| 69 | MP PWD<br>35.10         | Dismantling of existing overhead ACSR, AAAC, GI , conductor and making the site clear i/c transportation to required destination within township.  | 10,000.00 | Meters    | 4.00        | 3.60        |  | 36,000.00    |
| 70 | MP PWD<br>42.63         | Shifting, erection, & commissioning of of 100/ 200 / 315 / 500 KVA (11/0.433 KV) distribution transformer on existing structure including Bi-metallic clamp, ACSR/AAAC Conductor i/c colour code sleeve, for connection from H.T. Line to transformer as required as per specification.        | 8.00      | Each      | 8,191.00    | 7,371.90    |  | 58,975.20    |
| 71 |                         | <b>Cable Laying</b>  |           |           |             |             |  |              |
| 72 | UADD SOR<br>14.1        | Supply of XLPE Insulated power cable (conforming IS- 7098 ) 1100 Volt grade/Heavy duty power cable conforming to IS 1554-1100 Volts grade , 2 core /3½ core/4 core/ISI MARKED with Alu. Stranded /solid conductor  |           |           |             |             |  |              |
| 73 | UADD SOR<br>14.1.2      | ARMOURED 2 Core  |           |           |             |             |  |              |
| 74 | UADD SOR<br>14.1.2.4    | 10 Sq.mm.(XLPE)  | 300.00    | Meters    | 154.00      | 138.60      |  | 41,580.00    |
| 75 | UADD SOR<br>14.1.2.5    | 16 Sq.mm.(XLPE)  | 200.00    | Meters    | 180.00      | 162.00      |  | 32,400.00    |
| 76 | UADD SOR<br>14.1.8      | ARMOURED 4 CORE  |           |           |             |             |  |              |
| 77 | UADD SOR<br>14.1.8.2    | 10 Sq.mm.(XLPE)  | 300.00    | Meters    | 183.00      | 164.70      |  | 49,410.00    |
| 78 | UADD SOR<br>14.1.8.3    | 16 Sq.mm.(XLPE)  | 200.00    | Meters    | 229.00      | 206.10      |  | 41,220.00    |
| 79 | UADD SOR<br>14.1.8.4    | 25 Sq.mm(XLPE)   | 300.00    | Meters    | 281.00      | 252.90      |  | 75,870.00    |
| 80 | UADD SOR<br>14.1.8.5    | 35 Sq.mm(XLPE)   | 100.00    | Meters    | 358.00      | 322.20      |  | 32,220.00    |
| 82 | UADD SOR<br>14.10.17    | Laying and fixing of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1kV grade of size not exceeding 25 Sq.mm on surface etc. as required.  | 800.00    | Meters    | 35.00       | 31.50       |  | 25,200.00    |
| 83 | UADD SOR<br>14.10.18    | Laying and fixing of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1kV grade of size exceeding 25 Sq.mm but not exceeding 120 Sq.mm on surface etc. as required.  | 1,500.00  | Meters    | 80.00       | 72.00       |  | 1,08,000.00  |
| 84 | MP PWD<br>41.3          | Supply of approved <b>High-Tension XLPE cable</b> (conforming IS-7098/II/85 ) as per ISI standard 3 core Armoured with Alu. Solid/stranded conductor ISI MARKED as required  |           |           |             |             |  |              |
| 85 | MP PWD<br>41.3.1        | 3 CORE XLPE CABLE 11 KV GRADE  |           |           |             |             |  |              |
| 86 | MP PWD<br>41.3.1.4      | 120 Sq.mm.   | 100.00    | Meters    | 1,377.00    | 1,239.30    |  | 1,23,930.00  |
| 87 | MP PWD<br>41.3.1.5      | 150 Sq.mm.   | 100.00    | Meters    | 1,537.00    | 1,383.30    |  | 1,38,330.00  |
| 88 | MPKVNL<br>M-0402027     | 11 KV Under-Ground XLPE armoured Cable 3X240 Sq.mm.  | 0.10      | Kilometer | 8,23,085.00 | 8,23,085.00 |  | 82,308.50    |
| 89 | MPKVNL<br>M-0402026     | 11 KV Under-Ground XLPE armoured Cable 3X300 Sq.mm.  | 4.60      | Kilometer | 9,48,609.00 | 9,48,609.00 |  | 43,63,601.40 |
| 90 | MPKVNL<br>M-0404112     | Outdoor heat shrinkable cable end jointing kit with lugs for 11 kV grade XLPE cable for 3 core 240 sq mm   | 2.00      | Set       | 5,235.00    | 5,235.00    |  | 10,470.00    |
| 91 | MPKVNL<br>M-0404113     | Outdoor heat shrinkable cable end jointing kit with lugs for 11 kV grade XLPE cable for 3 core 300 sq mm   | 40.00     | Set       | 5,365.00    | 5,365.00    |  | 2,14,600.00  |
| 92 | MP PWD<br>41.10         | Providing & Making <b>cable end termination with HEAT SHRINKABLE jointing kit</b> complete with all accessories including lugs suitable for 33 kV/11 kV 3 core XLPE alum. conductor cable as required as per specification and as per accepted standard including connection testing complete. |           |           |             |             |  |              |
| 93 | MP PWD<br>41.10.1       | Heat shrinkable joint,kit 11 kV XLPE, 3 Core   |           |           |             |             |  |              |
| 94 | MP PWD                  | Heat shr.jointg. kit 11 kV XLPE cable O.D. termination   |           |           |             |             |  |              |

|     |                      |   |          |         |           |           |                       |
|-----|----------------------|---|----------|---------|-----------|-----------|-----------------------|
| 95  | 41.10.1.1            | c. 3 x 120-185 sq.mm.   | 4.00     | Each    | 13,078.00 | 11,770.20 | 47,080.80             |
| 96  | MPKVVNLM-0404112     | Outdoor heat shrinkable cable end jointing kit with lugs for 11 kV grade XLPE cable for 3 core 240 sq mm  | 2.00     | Set     | 5,235.00  | 5,235.00  | 10,470.00             |
| 97  | MPKVVNLM-0404113     | Outdoor heat shrinkable cable end jointing kit with lugs for 11 kV grade XLPE cable for 3 core 300 sq mm  | 16.00    | Set     | 5,365.00  | 5,365.00  | 85,840.00             |
| 98  | MP PWD 41.12         | Supplying & installing G.I. Pipe for protection of underground cable fixed on wall / support / in trench / fixed between two rigid existing support of wall/beam for erection of ceiling Fan / down rod for stiff pendent for light luminaries / fan / protective for earthing, lightening conductor down strip / overhead service line / for submersible cable or centrifugal pump for water supply with necessary iron clamp coupler, bend, tee, elbow, nuts and bolts etc. complete in an approved manner as required to complete excluding cost of excavation/dismantalling & other finished masonry Item complete.   |          |         |           |           |                       |
| 99  | MP PWD 41.12.1       | For 'B' Class pipe ISI Marked (IS-1161-68)  |          |         |           |           |                       |
| 100 | MP PWD 41.12.1.9     | 100.00mm  | 100.00   | Meters  | 1,070.00  | 963.00    | 96,300.00             |
| 101 | MP PWD 41.12.1.10    | 150.00mm  | 200.00   | Meters  | 1,753.00  | 1,577.70  | 3,15,540.00           |
| 102 | UADD SOR 17.4        | Supplying and installing <b>Double wall corrugated pipes (DWC) of HDPE</b> ( IS 14930 Part II -marked ) for cable laid under ground with necessary connecting sockets/ couplings,tees of same material and at required depth upto 90cm. below road/ground surface,including excavation, back filling with excavated material with ramming and making the surface good.  |          |         |           |           |                       |
| 103 | UADD SOR 17.4.1      | 50.00mm outside dia.  | 500.00   | Meters  | 207.00    | 186.30    | 93,150.00             |
| 104 | UADD SOR 17.4.2      | 175.00mm outside dia.   | 3,000.00 | Meters  | 432.00    | 388.80    | 11,66,400.00          |
| 105 | MP PWD 41.37         | Laying of one number 3 core H.T armoured / unarmoured power cable of grade exceeding 1.1kV but not exceeding 11kV of size not exceeding 150 Sq.mm in the existing RCC / Hume / Stoneware / G.I. Pipe / surface in existing trench as required.  | 500.00   | Meters  | 52.00     | 46.80     | 23,400.00             |
| 106 | MP PWD 42.69         | Supply & fixing <b>fencing of chain link mesh 100 x 100 mm, 12 SWG</b> GI wire for for D.P. structure electric sub-station including single post of angle iron size 50x50x5mm, 2.5 mt long should be provided up to 2.00 mt. apart or as required .The panel frame with required angle iron/ flat iron members /cross members including mesh welded in frame panel, shall be erected between the post. The angle iron post shall be erected in cement concrete 1:2:4 ( 20 mm graded metal ) foundation, including excavation of pit and refilling the same. The fencing shall be provided with one entrance gate including locking arrangement as required as per specification. The height of fencing shall be 2 mt. above ground level. Fencing shall be painted with required shade. | 30.00    | Sq.Mtrs | 1,100.00  | 990.00    | 29,700.00             |
| 107 | UADD SOR 14.11       | Excavation of the trenches in Hard Rock not exceeding 1.5 meter in width and lift upto 1.5 meter including getting out the excavated soil and disposal of surplus excavated soil as directed within the lead of 50 meter (without blasting)   | 50.00    | Cu.Mtrs | 348.00    | 313.20    | 15,660.00             |
| 108 | UADD SOR 14.8        | Supplying and fixing cramping type Alum. lugs as per I.S.S.Specification suitable for following size of cable with Alu. / Copper solid/stranded conductor evenly cramped with high / pressure tool and connected to switch gear / Bus / M.C.C.B. / M.C.B. etc. as required complete.For<br>Conductor Size :   |          |         |           |           |                       |
| 109 | UADD SOR 14.8.1      | 6mm to 16 Sq.mm   | 1,500.00 | Each    | 5.00      | 4.50      | 6,750.00              |
| 110 | UADD SOR 14.8.2      | 25 Sq.mm  | 250.00   | Each    | 7.00      | 6.30      | 1,575.00              |
| 111 | UADD SOR 14.8.3      | 35 Sq.mm  | 50.00    | Each    | 9.00      | 8.10      | 405.00                |
| 112 | UADD SOR 6.2 (V-2)   | Brick work with well burnt chimney bricks in bulls patent trench kiln, crushing strength not less than 25kg/sqcm and water absorption not more than 20% in foundation and plinth  |          |         |           |           |                       |
| 113 | UADD SOR 6.2.1 (V-2) | Cement mortar 1:4 (1 cement : 4 coarse sand)  | 10.00    | Cum     | 4,152.00  | 3,736.80  | 37,368.00             |
|     |                      | <b>Total</b>  |          |         |           |           | <b>1,35,46,254.85</b> |