

## MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION

### Item Specification

**Work Name: Rajiv Gandhi Infotech Park Hinjawadi ph-II... M & R to Roads...Providing & laying 900mm & 600mm RCC line along the road near Shell petrol pump and other allied work.**

#### Sub Estimate:Sub Estimate

**1 Providing ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar joints or rubber ring joints, excluding GST levied by GOI & GOM in all respect including inspection charges, transport to departmental stores, unloading and stacking etc. complete as per IS-458/1988. Note :One collar should be supplied with each full length plain ended RCC pipe, cost including in rates below. One rubber ring should be supplied with each full length of socketed pipe, cost included in rates below. Note :Only 85% rate is payable till satisfactory hydraulic testing is given.**

#### **1.1 Class NP-III (For 2.00 m. length) Coller Joints**

**1.1.1 600 mm.**

**1.1.2 900 mm.**

#### **Specification:**

##### **1.1.1 Specification**

Specifications:- Standard specifications as per specifications of Maharashtra Jeevan Pradhikaran & As directed by Engineer in Charge.

Mode of Measurements: - The item rate shall be measured in Running Meter.

##### **1.1.2 Specification**

Specifications:- Standard specifications as per specifications of Maharashtra Jeevan Pradhikaran & As directed by Engineer in Charge.

Mode of Measurements: - The item rate shall be measured in Running Meter.

**2 Valve Chamber with Precast RCC Covers Providing and constructing B.B. masonry valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in CM 1:5 proportion precast RCC frame and cover, etc. complete as directed by Engineer-in-charge. Note : Wall thickness : 0.23 M for depth of 1.2 M and 0.35 M for balance depth exceeding 1.2 M.**

**2.1 As above of 1.2 x 1.2 M internal size and depth upto 1.2 M with precast**

## **R.C.C slab cover.**

### **Specification:**

#### **2.1 Specification**

Specifications:- Standard specifications as per specifications of Maharashtra Jeevan Pradhikaran & As directed by Engineer in Charge.

Mode of Measurements: - The item rate shall be measured in Number.

**3 Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (Bd-A- 1/259)**

#### **3.1 Lift 0 to 1.5 M**

### **Specification:**

#### **3.1 Specification**

Specifications:- Standard specifications as per specifications of Maharashtra Jeevan Pradhikaran & As directed by Engineer in Charge.

Mode of Measurements: - The item rate shall be measured in Cubic Meter.

**4 Excavation for foundation / pipe trenches in hard rock and concrete road by chiselling, wedging, line drilling by mechanical means or by all means other than blasting including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, excluding backfilling, etc. complete by all means. (Bd-A-6/259)**

#### **4.1 Lift 0 to 1.5 M**

### **Specification:**

#### **4.1 Specification**

Specifications:- Standard specifications as per specifications of Maharashtra Jeevan Pradhikaran & As directed by Engineer in Charge.

Mode of Measurements: - The item rate shall be measured in Cubic Meter.

**5 Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated material upto a distance of 50 M beyond the area and lifts as below, stacking as directed by Engineer-**

**in- charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (Bd-A-4/259)**

**5.1 Lift 0 to 1.5 M**

**Specification:**

### **5.1 Specification**

Specifications:- Standard specifications as per specifications of Maharashtra Jeevan Pradhikaran & As directed by Engineer in Charge.

Mode of Measurements: - The item rate shall be measured in Cubic Meter.

**6 Lowering, laying and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar,) including cost of conveyance from stores to site of work, cost of jointing material, labour, etc. complete as directed by Engineerin- charge (For all c lass of pipes.) as per IS- 783-1985.**

**6.1 Coller Joints**

**6.1.1 600 mm.**

**6.1.2 900 mm.**

**Specification:**

### **6.1.1 Specification**

Specifications:- Standard specifications as per specifications of Maharashtra Jeevan Pradhikaran & As directed by Engineer in Charge.

Mode of Measurements: - The item rate shall be measured in Running Meter.

### **6.1.2 Specification**

Specifications:- Standard specifications as per specifications of Maharashtra Jeevan Pradhikaran & As directed by Engineer in Charge.

Mode of Measurements: - The item rate shall be measured in Running Meter.

**7 Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for foundation and bedding / steps including steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.),with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant**

**(Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)**

**Specification:**

Specifications:- Standard specifications as per specifications book published by Government of Maharashtra in 1979 & 1981 edition & Bd.E.2 Page One Number 288 and B.7 Page No 38 As directed by Engineer in charge.

Mode of Measurements: - The item rate shall be measured in Cubic Meter.

**8 Providing and laying Cast in situ/Ready Mixcement concrete in M20 of trap/ granite/quartzite/gneiss metal for steps including steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)**

**Specification:**

Specifications:- Standard specifications as per specifications book published by Government of Maharashtra in 1979 & 1981 edition & Bd.E.2 Page One Number 288 and B.7 Page No 38 As directed by Engineer in charge.

Mode of Measurements: - The item rate shall be measured in Cubic Meter.

**9 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.**

**Specification:**

Specifications:- Standard specifications as per specifications book published by Government of Maharashtra in 1979 & 1981 edition as directed by Engineer in charge.

Mode of Measurements: - The item rate shall be measured in Metric Tonn.

**Sub Estimate:Testing**

**1 CONCRETE: Compressive Strength OF C.C. Cube (Set of 3 cubes).**

**Specification:**

Testing of materials should be done as per PWD guidelines with direction of Engineer In-charge at Government Laboratory.

Mode of measurement :- The payment to the contractor should be made as per invoice of government Laboratory.

## **2 CONCRETE: Concrete Mix Design (With all Tests on basic materials)**

### **Specification:**

Testing of materials should be done as per PWD guidelines with direction of Engineer In-charge at Government Laboratory.

Mode of measurement :- The payment to the contractor should be made as per invoice of government Laboratory.