

**Damlai to Rajpardi R & B Road - Rajpardi**  
**Gujarat Mineral Development Corporation Ltd.**

**PRICE BID**

**CD Works (Box Culvert)**

| <b>Sr. No.</b> | <b>Description</b>   | <b>Qty</b> | <b>Unit</b> | <b>Rate</b> | <b>Amount</b> |
|----------------|--|------------|-------------|-------------|---------------|
| 1              | Dismantalling the existing stone masonry including sorting out and stacking the useful materials and removing as directed for any lead and lift debris and making good including with machineries, tools, tackles, equipments, required scaffolding, safety mazzors manpower, labour, etc complete as directed.              | 64.8       | Cum         | 0           | 0             |
| 2              | Dismantalling the existing RCC pipes including sorting out and stacking out the useful materials including at any lead and lift as directed for safe place for any distance with machineries, tools, tackles, manpower, equipments, labour, etc. complete.   | 48         | meter       | 0           | 0             |
| 3              | Excavation for foundation upto 1.5 m depth in all type and sorts of Soil ,including sorting out and stacking of useful materials and disposing off the excavated stuff up to any lead and lift as directed with all required manpower, machineries, tools ,tackles, equipments etc.in all sort of soil.                      | 822.73     | Cum         | 0           | 0             |
| 4              | Excavation for foundation 1.5 m to 3.0 M depth in all type and sorts of Soil ,including sorting out and stacking of useful materials and disposing off the excavated stuff up to any lead and lift as directed with all required manpower, machineries, tools ,tackles, safety measures, equipments etc.in all sort of soil. | 165.06     | Cum         | 0           | 0             |
| 5              | Excavation for foundation 3.0 m to 5.0 M depth in all type and sorts of Soil ,including sorting out and stacking of useful materials and disposing off the excavated stuff up to any lead and lift as directed with all required manpower, machineries, tools ,tackles, equipments etc.in all sort of soil.                  | 105        | Cum         | 0           | 0             |
| 6              | Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundations, sub base etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming & watering with required OMC by means of mechanical power machineries, tools, tackles, manpoer, labours etc. complete.  | 200        | Cum         | 0           | 0             |
| 7              | Filling in sided of culvert with murrum soil in layers of 20 cm. thickness including watering, ramming and consolidating etc. complete with required OMC including material , Manpower, Tools, Tackles, Machineries etc.   | 200        | Cum         | 0           | 0             |

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|----|--|--------|-----|---|---|
| 8  | Providing and laying cement concrete 1:3:6 (1- Cement : 3- coarse sand : 6- crushed stone aggregates 40 mm nominal size) and curing complete including cost of formwork, manpower, with safety measures, machineries, tools, tackels, Labours etc. complete.- For Foundation, Plinth and at Ground Level works   | 96.76  | Cum | 0 | 0 |
| 9  | Providing and laying controlled cement concrete M.250 and curing complete including the cost of machineries, tools, tackles, manpower, with safety measures, labour, formwork for reinforced concrete, curing, etc. complete. work in (A) Foundations, footings, Base of columns, Slabs and Mass concrete.   | 166.05 | Cum | 0 | 0 |
| 10 | Providing and laying controlled cement concrete M.250 and curing complete including the cost of machineries, tools, tackles, equipments, manpower, labour, formwork for reinforced concrete, curing, etc. complete. work in (B) Walls, from top of foundation level upto floor Two level   | 111.56 | Cum | 0 | 0 |
| 11 | Providing and laying for Construction of reinforced cement concrete of M 40 with 53 grade cement, coarse and fine aggregate conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a batching and mixing plant as per approved mix design, transported to site, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, separation membrane, sealant primer, joint sealant, debonding strip, admixtures as approved, curing compound, formwork, rails, guidewires, finishing to lines and grades as per drawings as specified in Clause 602 of MORT & H. Including the cost of all material labor charges, machinery hire charges, tools and equipment charges, transportation and conveyance, loading and un loading etc complete with all lead and lift, machineries, tools, safety masures, tackles, manpower, labour, formwork for reinforced concrete, curing, etc. complete. as per specification and directed by the Engineer.(Min. Cement Consumption : 425 Kg/Cum) | 42     | Cum | 0 | 0 |

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|----|---|----------|------|---|---|
| 12 | Supplying, fabricating and placing/fixing in position TMT reinforcement bars FE-500/500 D (Ductile) of TATA / SAIL / RINL or equivalent as approved make (Min.elongation14.5%as per relevant latest IS standards for manufacturing of reinforcement) confirming to IS1786 reinforcement for RCC structures/ items as per design including transporting steel to the work site, handling, de-coiling, cutting-bending cranking by machines, fabricating to required shape, placing in position and tying/binding the system with MS18 gauge wires, welding if necessary, keeping it in position during concreting by means of stays, blocks, ties, spacers, chairs, hangars, etc. for all floors / all levels / all heights complete as per drawings, specifications and direction of Engineer in Charge. Measurement will be paid on the length basis and converted into weight by using standard co-efficient (rolling margin's and wastage shall not be paid).The quoted rate should be inclusive of the cost of Binding wire, and the same will not be measured and paid separately. For all civil, plumbing, electrical & infrastructure works authorized laps, ties, spaces will be calculated and paid with all safety mesures equipments. tool. tackles. labour. | 39950.38 | Kg   | 0 | 0 |
| 13 | Providing & laying rubble for apron (each stone weight not less than 40 kg.) including packing & filling with machineries, tools, tackles, manpower, labour, etc. complete for filling in the interstices with quarry spall.  | 126      | Cum  | 0 | 0 |
| 14 | Steel work including supply welded, in built up sections, framed work including cutting, welding with necessary material like welding machine, welding rode, hoisting, fixing, machineries, tools, tackles, manpower, labour, in position and applying a priming coat of Zinc oxide paint with machineries, tools, tackles, manpower, labour, etc. complete for filling in the interstices with quarry spall. etc. complete. (A) In beams and joists, channels, angles, tees, flats with connecting plates or angle cleats as in main & cross beam.   | 1820.55  | Kg.  | 0 | 0 |
| 15 | Providing & laying rubble pitching laid in cement mortar 1:4 proportion with the surface flush pointed with cement mortar with 1:3 proportion for following thickness including machineries, tools, tackles, manpower, labour, curing etc.complete for all lead & lifts including dressing, watering, compacting bed the .(a) 40 cm Thickness.  | 360      | Sqmt | 0 | 0 |

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|----|--|--------|------|---|---|
| 16 | Pointing on coursed stone masonry with cement mortar 1:3 (1- cement: 3- coarse sand) including machineries, tools, tackles, manpower, labour, curing etc.complete for all lead & lifts joint should not be exceed 12mm in thikness in this should be uniform and when mortar is wet and the pointing is to be carried out (A) Flush pointing | 360    | Sqmt | 0 | 0 |
| 17 | Providing P.V.C 100mm diameter weep hole having width as per wall thickness including necessary iron gratings as per drawings with minimum 450mm lengh   | 132.00 | No   | 0 | 0 |
| 18 | Providing and laying filter media 600 mm thick as directed at the back of abutement return and wing wall as per detailed specification .   | 52.50  | Smt  | 0 | 0 |

**Total For CD Works**

**Road Works**

|    |   |           |     |   |   |
|----|---|-----------|-----|---|---|
| 19 | Box cutting the road surface to proper slope and camber for making a base for road working incl. removing the excavated stuff including small plants and bushesh etc. depositing on the road side slopes as directed for all lead including making good the bottom with rolling by using poer roller of minimum 8 to 10 MT capcity with watering, consoldation, machineires, tools, tackles, manpoer, labours etc. complete.  | 8306.55   | Cum | 0 | 0 |
| 20 | Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundations,sub base etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming & watering with required OMC by means of mechanical power machineries machineires, tools, tackles, manpoer, labours etc. complete.  | 3614.8875 | Cum | 0 | 0 |
| 21 | Providing, laying, sperading and compacting specified 15% sharp clened graded sand (CBR not less than 10%), 70% BT Metal size 12-75 mm from approved quarry and dust/murum as approved by engineer in-charge on subgrade course including material spreading in uniform two layers with mechanical means 100 mm thick compacted each layer with motor grade and compacting with vibratory roller at OMC of 200 mm thick to achieve the desired density including all machineries, tools, tackles, manpower, labour, etc. complete as per technical specification clause 401.22 (grading II) & direction of Engineer - in- Charge. | 2819.17   | Cum | 0 | 0 |

|    |   |         |      |   |   |
|----|---|---------|------|---|---|
| 22 | Providing, laying, spreading and compacting graded BT stone aggregate of size 75 micron- 53mm from approved quarry for wet mix macadam(Grade-I) 125 mm thick compacted to specification with water up to OMC using four bin fitter/pug mill, carriage of mixed material by tipper to site laying in uniform layers by mechanical paver in base course on well prepared underbase and compacting with power vibratory roller to achieve the desired density with cross checking of Tonne basis including machineries, tools, tackles, manpower, labour, etc. complete.   | 412.03  | Cum  | 0 | 0 |
| 23 | Providing, laying, spreading and compacting graded BT stone aggregate of size 75 micron- 53mm from approved quarry for wet mix macadam(Grade-II) 125 mm thick compacted to specification with water up to OMC using four bin fitter/pug mill, carriage of mixed material by tipper to site laying in uniform layers by mechanical paver in base course on well prepared underbase and compacting with power vibratory roller to achieve the desired density with cross checking of Tonne basis including machineries, tools, tackles, manpower, labour, etc. complete.  | 412.03  | Cum  | 0 | 0 |
| 24 | Providing & applying evenly priming coat with bitumen Emulsion (SSI) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 7.50 Kg./ 10 Smt using mechanical means machineries, tools, tackles, manpower, labour, etc. complete.   | 3296.25 | Sqmt | 0 | 0 |
| 25 | Providing & laying 50 mm Dense Bituminous macadam crushed stone aggregate and filler material as per gradation of most and bitumen (VG 30 grade) at a rate of 2.5 kg / 10 smt for tack coat and for mixing at the rate of 45 kg/mt (4.5%) by weight of mix by hot laid process including heating the asphalt and aggregate in drum mix plant/batch mix plant transporting the mix and spreading the same by electronic sensor paver and consolidation with vibratory roller including. necessary fire wood oil lubricant labour and hire charges of required plant machineries, tools, tackles, manpower, labour, etc. complete as per technical specification clause 507 | 379.07  | MT   | 0 | 0 |

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|--|---|---------|------|---|---|
| 26   | Providing & laying 50mm Bituminous Concrete using BT aggregate of approved quarry as per gradation of most and bitumen (VG 30 grade) at a rate of 55 kg/mt (5.5%) by weight of mix by hot laid process including heating the asphalt and aggregate in drum mix plant/batch mix plant by transporting the mix and spreading the same electronic sensor paver and consolidation with vibratory roller including necessary fire wood oil lubricant labour and hire charges of required plant machineries, tools, tackles, manpower, labour, etc. complete as per technical specification clause 512. | 593.325 | MT   | 0 | 0 |
| 27   | Providing and laying of hot applied Thermoplastic compound 2.5 mm thick including reflectorising Glass beads @ 250 gms per sqm area, thickness pf 2.5 mm is exclusive of surface applied glass beads as per I.R.C. 35 & finished surface to be level, uniform and free from streak and holes. including machineries, tools, tackles, manpower, labour, etc. complete.   | 263.70  | Sqmt | 0 | 0 |
| <b>Total for Road Works</b>                                    |   |         |      |   |   |
| <b>Grand Total (Total for CD works + Total for Road Works)</b> |   |         |      |   |   |