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|   | <b>E Tender no- 21 /BVN/BOX CULVERT /2018</b>   |             |            |             |               |
|   |   |             |            |             |               |
| <b>Sub:Construction of Box Culvert and Road Work at Lignite project Bhavnaagr</b> |   |             |            |             |               |
|   | <b>at Lignite project Bhavnagar</b>   |             |            |             |               |
|   |   |             |            |             |               |
|   | <b>PRICE BID-II- Road Work</b>  |             |            |             |               |
|   |   |             |            |             |               |
| <b>Sr.No</b>  | <b>Description</b>  | <b>Qty.</b> | <b>Per</b> | <b>Rate</b> | <b>Amount</b> |
| 1   | Box cutting the road surface to proper slope and camber for making a base for road working incl. removing the excavated stuff and depositing on the road side slopes as directed for all lead including making good the bottom with rolloing by using poer roller of minimum 8 to 10 MT capcity with watering, consoldation, machineires, tools, tackles, manpoer, labours etc. complete.   | 107.21      | Cmt        | 0           | 0             |
| 2   | Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming & watering with machineires, tools, tackles, manpoer, labours etc. complete.   | 70.84       | Cmt        | 0           | 0             |
| 3   | Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.   | 125         | Cmt        | 0           | 0             |
| 4   | Supplying & spreading of coarse clean sharp sand for crust in layers ,including transportation,loading, unloading, ramming with labours, tools, tackles etc. as per direction of Engineer incharge.   | 64.8        | Cmt        | 0           | 0             |
| 5   | Spreading blindage or road crust filling the gaps in metal and leveling to camber and gradient as directed - Sand   | 64.8        | Cmt        | 0           | 0             |
| 6   | Construction of Granular sub base (grade-II) by providing well graded material mixing in a mechanical mix plant at OMC carraige of mixed material to work at site, spreading in uniform layer (two layers) with motor grader on prepared surface and compacting with smooth wheel roller to 80/100 KN static weight achieve desired density technically complete for grading complete as per clause 401 of MORTH. As per detail specification mentioned in technical bid. | 129.6       | Cmt        | 0           | 0             |

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| 7 | Supplying of murrum/binding materials ,including transportation,loading, unloading, ramming with labours, tools, tackles etc. as per direction of Engineer incharge.   | 32.4 | Cmt | 0 | 0 |
| 8 | Spreading blindage or road crust filling the gaps in metal and leveling to camber and gradient as directed - Murrum  | 32.4 | Cmt | 0 | 0 |
| 9 | Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, spreading the concrete with shovels, rakes and levelling to garde and camber, compacting with 8-10 tonnes vibratory roller, finishing and curing including finished in a continuous operation for completion of one panel, transportation,loading, unloading, ramming with labours, tools, tackles etc. as per direction of Engineer incharge. | 48.6 | Cmt | 0 | 0 |

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| 10 | Construction of un-reinforced, dowel jointed, Controlled cement concrete pavement over a prepared sub-base of M-40 with 53 grade cement, coarse and fine aggregate confirming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in batching plant or in well equipped mixer machine as per approved mix design, transported to site, laid with trimix vacume de watering process using vacume dewatering machine , mechanical vibrator , mechanical flotter , mechanical Towel for finishing by mixture as directed including cutting grooves of size etc. as per drawing and finished in a continuous operation for completion of one panel(4 mt X 4Mt, however dimension will be as per the drawing) including provision of contraction, expansion, construction and longitudinal joints, joint filler as per the drawings, seperation membrane, sealent primer, joint sealent, bonding strip, cost of admixture as approved, curing compound, formwork, rails, guidewires, finishing to lines and grades as per drawings as specified in clause 602 of MORTH including the cost of all material, labour charges, transportation and conveyance, loading and unloading etc. complete with all lead and lift as per specification and directed by the engineer. (Min. Cement consumption:425 Kg/Cmt) | 141.09 | Cmt  | 0 | 0 |
| 11 | Providing and fixing in position mild steel dowel bar of 32mm diameter and 500 mm length at 200 mm c/c in transverse direction at expansion joint which is provided at 4.0 m c/c longitudinally with plastic cap of 3 to 5 mm thick black coloured as a cover of dowel bar which sustain the movement of dowel bar including cutting, placing of same, with all machinery, tools, tackles, labours etc. complete..  | 270    | Each | 0 | 0 |
| 12 | Providing and fixing in position TMT tie bar of 12mm diameter and 500mm length at 300 mm c/c in longitudinal direction as per IS 1786 (Latest) including cutting, placing of same, with all machinery, tools, tackles, labours etc. complete.   | 59.25  | Kg   | 0 | 0 |
| 13 | Providing Pre-moulded asphalt filler joints as per drawings For 12mm width including with labours, tools, tackles etc. as per direction of Engineer incharge & As per detail specification mentioned in technical bid...  | 1.45   | Smt  | 0 | 0 |
|    | Total   |        |      |   |   |
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