# COMPRATIVE STATEMENT

Name Of Work:- NH-80 Dariyapur to Aliwali
Head:- NEW MR
Block:- BARARHIYA
Division:- RURAL WORKS DEPARTMENT, WORKS DIVISION, LAKHISARAI

Date Of Inviting Quatation:- 09.01.2024

| S No | SOR SL. No. | MORD Ref No. | Item of Work | Unit | Quantity | Approve BOQ Rate | Total Amount | Name Of Quatetioner: DK BROTHERS TRADE CON. Rate | DK BROTHERS TRADE CON. Total | VIJAY KUMAR SINGH Rate | VIJAY KUMAR SINGH Total | NISHANAT KUMAR Rate | NISHANAT KUMAR Total | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1 | 2.2 | 201 (I-A) | Clearing and Grubbing Road Land (By manual means)including uprooting wild vegetation, grass, bushes, shrubs, sapling sand trees of girthupto300mm,removalsofstumpsofsuchtrees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used orauctioneduptoaleadof1000mincludingremova l and disposal of top organic soil not exeeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I | Hect | 1.13 | 61342.00 | 69316.46 | 61341.00 | 69315.33 | 61342.00 | 69316.46 | 61343.00 | 69317.59 | |
| 2 | 3.4 | 303.1 | Construction of Embankment with Material Obtained from Borrow Pits :- Construction of embankment with approved material obtained fromborrowpitswithaliftupto1.5m,transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5 | Cum | 2027.52 | 210.39 | 426569.93 | 210.25 | 426286.08 | 210.39 | 426569.9328 | 215.39 | 436707.5328 | |
| 3 | 3.14 | 303.1 | Construction of Sub grade and Earthen Shoulders :- Construction of sub grade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1. | Cum | 1900.80 | 213.26 | 405364.61 | 212.75 | 404395.2 | 213.26 | 405364.608 | 218.26 | 414868.608 | |
| 4 | 4.1 | 401 | Granular Sub-base with Well Graded Material (Table400.1):- Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavatorat OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. | Cum | 474.30 | 1384.58 | 656706.29 | 1383.21 | 656056.503 | 1384.58 | 656706.294 | 1386.50 | 657616.95 | |
| 5 | 4.7 (2-B) | 405 | WBM Grading 2 :- Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405. | Cum | 248.99 | 2936.92 | 731263.71 | 2935.11 | 730813.0389 | 2936.92 | 731263.7108 | 2938.92 | 731761.6908 | |

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| 6 | 4.7 (3-B) | 405 | WBM Grading 3 :- Providing, laying, spreading and compacting stone aggregates of specific sizes to [illegible]er bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405. | Cum | 799.92 | 2599.72 | 2079568.02 | 2598.20 | 2078352.144 | 2599.72 | 2079568.022 | 2605.72 | 2084367.542 | |
| 7 | 5.1 | 502 | Prime Coat:-Providing and applying primer coat with Bitumen emulsion (SS-1)on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0kg/sqmusingmechanicalmeans as per Technical Specification Clause 502. | Sqm | 10665.60 | 47.33 | 504802.85 | 47.13 | 502669.728 | 47.33 | 504802.848 | 49.33 | 526134.048 | |
| 8 | 5.6 | 507 | Tack Coat:-Providing and applying tack coat with bitumen emulsion using emulsion pressuredistributoratthereateof0.25to0.30kg persqmon the prepared granular surface tretaed with Primer and clened with hydriloc broom as per technical specification aclouse 503. | Sqm | 21331.20 | 16.16 | 344712.19 | 15.95 | 340232.64 | 16.16 | 344712.192 | 19.16 | 408705.792 | |
| 9 | 5.3 | 504 (RCD) | Bituminous Macadam :- Providing and laying bituminous macadam with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder, transported tosite, laidovera previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6and501.7toachievethedesired compaction. | Cum | 533.28 | 8611.25 | 4592207.40 | 8610.10 | 4591594.128 | 8611.25 | 4592207.4 | 8622.25 | 4598073.48 | |
| 10 | 5.7 | 508 (RCD) | Semi-Dense Bituminous Concrete:-Providing and laying semi dense bituminous concrete with 100- 120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control otherequired grade, level and alignment, rolling with mooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects. | Cum | 266.64 | 10968.75 | 2924707.50 | 10967.80 | 2924454.192 | 10968.75 | 2924707.5 | 10972.75 | 2925774.06 | |
| 11 | 10.1 (I) | 1700 | ReinforcedcementconcreteM15gradekilometre local stone of standarddesignasperIRC:8fixing in position including painting and printing ,etc as per drawing and technical specification clause 1703.Kmstone | Each | 4.00 | 2401.18 | 9604.72 | 2401.00 | 9604 | 2401.18 | 9604.72 | 2405.18 | 9620.72 | |
| 12 | (II) | | ReinforcedcementconcreteM15gradekilometre local stone of standarddesignasperIRC:8fixing in position including painting and printing ,etcas per drawing and technical specification clause 1703.200mstone | Each | 11.00 | 703.80 | 7741.80 | 703.10 | 7734.1 | 703.80 | 7741.8 | 709.80 | 7807.8 | |
| 13 | 10.9 | 1700 | Direction and Place Identification signs with size more than 0.9 sqm size board :- Retro- reflectorised Traffic Signs Providingan derecting direction and place identification retro-\reflectorised sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause1701.2.3, fixedoveraluminiumsheeting,2 mmthickwithareaexceeding0.9sqmsupported onmildsteelangleironposts75mmx75mmx6 mm,2Nos.firmlyfixedtothegroundbymeansof properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawingandTechnicalSpecificationClause1701. | Sqm | 1.92 | 12248.40 | 23516.93 | 12247.15 | 23514.528 | 12248.40 | 23516.928 | 12252.40 | 23524.608 | |

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| 14 | 10.2 ( I ) | 1700<br>300 | Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminiumsheeting,1.5 mm thick supported on a mildsteelangleironpost75mmx75mmx6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 (600mmequilateral&triangle) | Each | 12.00 | 4295.39 | 51544.68 | 4294.10 | 51529.2 | 4295.39 | 51544.68 | 4299.39 | 51592.68 | |
| 15 | (II) | | Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminiumsheeting,1.5 mm thick supported on a mildsteelangleironpost75mmx75mmx6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 (600mmcircular) | Each | 8.00 | 4168.42 | 33347.36 | 4167.80 | 33342.4 | 4168.42 | 33347.36 | 4173.42 | 33387.36 | |
| 16 | (III) | | Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminiumsheeting,1.5 mm thick supported on a mildsteelangleironpost75mmx75mmx6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 (600mmx450mmrectangular) | Each | 6.00 | 4023.89 | 24143.34 | 4023.10 | 24138.6 | 4023.89 | 24143.34 | 4027.89 | 24167.34 | |
| 17 | (IV) | | Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminiumsheeting,1.5 mm thick supported on a mildsteelangleironpost75mmx75mmx6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 (900mmoctagonstopboard) | Each | 4.00 | 8493.25 | 33973.00 | 8492.10 | 33968.4 | 8493.25 | 33973 | 8496.25 | 33985 | |
| 18 | 10.1 | 1700 | Boundary Pillar/Gaurd Post :- Reinforced cement concreteM15gradeboundarypillars/local stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawing and Technical SpecificationClause1704 | Each | 48.00 | 672.01 | 32256.48 | 671.90 | 32251.2 | 672.01 | 32256.48 | 678.01 | 32544.48 | |
| 19 | 10.1 | 1700 | Printing New Letters and Figures of any Shade<br>:- Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawingsandTechnicalSpecificationClause170 1 | M height per | 352.00 | 0.62 | 218.24 | 0.40 | 140.8 | 0.62 | 218.24 | 1.00 | 352 | |
| 20 | Ref. to MoRTH Spec.307 | | Planting of Trees and their Maintenance for one Year:-Planting of trees by the road side(Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year | Each | 141.00 | 1046.07 | 147495.87 | 1045.80 | 147457.8 | 1046.07 | 147495.87 | 1049.07 | 147918.87 | |
| 21 | 10.8 | 1700 | 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 persqmarea,thicknessof2.5mmisexclusiveof surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes. | Sqm | 563.20 | 719.53 | 405239.30 | 719.10 | 404997.12 | 719.53 | 405239.296 | 725.53 | 408618.496 | |

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| 22 | 10.6 | 1700 | (I)Providing and Fixing 'Logo' of M[illegible]nance Project :- Providing and fixing of typical informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middleplatewillbeweldedto2nos. 75mmx75mmof12SWGsheettubespostsduly embeddedincementconcreteM-15gradeblocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic namelpaint of superior quality in required shade and colour. All sectionsofframed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1 | Each | 3.00 | 9519.02 | 28557.06 | 9518.50 | 28555.5 | 9519.02 | 28557.06 | 9528.02 | 28584.06 | |
| 23 | 11.1 | | Earthwork in excavation for structures as per drawingandtechnicalspecificationsClause305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. | Cum | 434.29 | 323.55 | 140514.53 | 323.00 | 140275.67 | 323.55 | 140514.5295 | 326.55 | 141817.3995 | |
| 24 | 11.4 (II) | | ProvidingM15(PCC1:2.5:5)as leveling course in foundation :– Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 | Cum | 306.73 | 5523.07 | 1694091.26 | 5522.50 | 1693916.425 | 5523.07 | 1694091.261 | 5529.07 | 1695931.641 | |
| 25 | 12.3 (I)A | | Plastering with cement mortar(1:4) on brick work in sub-structure as per Technical Specifications | Sqm | 20.16 | 163.52 | 3296.56 | 163.00 | 3286.08 | 163.52 | 3296.5632 | 170.52 | 3437.6832 | |
| 26 | 13.9 | | Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawingandtechnicalspecificationsClauses600, 900and1208.4 | Cum | 2.88 | 5157.59 | 14853.86 | 5156.10 | 14849.568 | 5157.59 | 14853.8592 | 5168.59 | 14885.5392 | |
| 27 | 10.5 | | Painting Two Coatson New Concrete Surfaces:- Painting two coats including primer coat after filling the surface with synthetic namelpaintin all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701 | Sqm | 122.24 | 110.57 | 13516.08 | 109.80 | 13421.952 | 110.57 | 13516.0768 | 119.57 | 14616.2368 | |
| 28 | 11.2 | | Sand Filling in Foundation Trenches as per drawingandtechnicalspecificationClause1108. | Cum | 7.49 | 466.97 | 3497.61 | 466.10 | 3491.089 | 466.97 | 3497.6053 | 469.97 | 3520.0753 | |
| 29 | 12.5 (II) | | Plain/ Rein forced cement concrete (PCCM- 20)in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806,807,1202ans1204 | Cum | 206.32 | 6371.86 | 1314642.16 | 6371.00 | 1314464.72 | 6371.86 | 1314642.155 | 6378.86 | 1316086.395 | |
| 30 | 5.2 | | Providing Bitumen painting over top surface of Abutment cap & innervertical surface of Dirt Wall including Heating the bitumen & cost of painting Brush etc. all complete. | Sqm | 46.80 | 16.16 | 756.29 | 15.80 | 739.44 | 16.16 | 756.288 | 22.16 | 1037.088 | |
| 31 | 13.1 | | RCCM25inDeckSlab:–Providing and laying reinforced cement concrete in superstructure (Deck slab M25) as per drawing and technical specifications Clauses 800, 1205.4, 1205.5 | Cum | 36.96 | 6899.87 | 255019.20 | 6899.00 | 254987.04 | 6899.87 | 255019.1952 | 6909.87 | 255388.7952 | |
| 32 | 13.2 | | Supplying, fitting and placing HYSD bar rein for cement in super-structure complete as per Drawing and technical specifications | MT | 4.85 | 62180.43 | 301575.09 | 62179.80 | 301572.03 | 62180.43 | 301575.0855 | 62188.43 | 301613.8855 | |

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| 33 | 13.16 | | Providing and filling joint sealing compound as per drawings and technical specifications with coarse sandand6percentbitumenbyweight | RM | 45.00 | 44.90 | 2020.50 | 44.00 | 1980 | 44.90 | 2020.5 | 50.90 | 2290.5 | |
| 34 | 12.09 | | Providing Weep holes in brick masonry , Plain / Rein forced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through thefullwidthofthestructurewithslopeof1V:20H Towards drawing | Cum | 134.00 | 115.91 | 15531.94 | 114.10 | 15289.4 | 115.91 | 15531.94 | 120.91 | 16201.94 | |
| | | | | | | | 17292173 | 223969.75 | 17279676 | 223996.34 | 17292173 | 224172.64 | 17422257.89 | |
| 35 | | | GST 18 % | | | | 3112591.14 | | 3110341.69 | | 3112591.10 | | 3136006.42 | |
| 36 | | | Labour Cess 1% | | | | 172921.73 | | 172796.7605 | | 172921.728 | | 174222.5789 | |
| 37 | | | S. Fee | | | | 327836.00 | | 327836.00 | | 327836.00 | | 327836.00 | |
| | | | TOTAL | | | | 20905521.87 | | 20890650.49 | | 20905521.63 | | 21060322.89 | |
| | | | | | | | | | L1 | | L2 | | L3 | |

Quotationer 'L' DK Brothers Trade Con. has quoted the lowest rate

Lowest rate quoted by 'L1' D.K. Brother's Trade Con. recommend for Approval.

JE

AE 9/1/24

Divisional Accountant
Rural Works Department
Works Division, Lakhisarai

Executive Engineer
Rural Works Department
Works Division, Lakhisarai

Lowest Amount Quoted by the quotioner D.K. Brothers Trade Con. for Amount of rupees 20890650.00 (Rupees two crore eight lac ninty thousand six hundred fifty) is approved.

certified copy.

Superintending Engineer
Rural Works Department
Works Circle, Munger

—Sd—
Superintending Engineer
Rural Works Department
Works Circle, Munger