Bill of Quantities (BOQ)

Roadway Upgradation works along Mathilo dungeshwor - Baika - Byauli - Nagma Road (Chakatra - Dadimadi - Shilangi - Kalagauda Section)(Ch:-1+520 to 2+730, 3+880 to 5+480, 6+720 to 7+580), Dailekh District

IFB No.: 337016801/TNN9/083/84, Contract ID No: RDSKT/33701138-4/083/84-24

Provisional Sum

SL. No.	Item Description	Unit	Quantity	Unit Rate (NPR)	Amount (NPR)
PS.1	Relocation of public service utilities, minor infrastructures, irrigation canals, existing electric poles, supply and maintain engineer's office and logistic facilities etc. as per engineer's instruction.	PS	1.00	5,00,000.00 Five lakh rupees only.	5,00,000.00 Five lakh rupees only.
PS.2	Carry out additional tests for material and works as required and instructed by the Engineer. [SS 500]	PS	1.00	2,00,000.00 Two lakh rupees only.	2,00,000.00 Two lakh rupees only.
	Total provisional sums				7,00,000.00 Seven lakh rupees only.

Construction work
CPV: 45000000-7 - Construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.1	Insurance for loss of or damage to works, plant, material, equipment, property including personnel injury or death and third party etc. as per SCC 19.1.(SS 100)	LS	1.00			
1.2	Providing and installation of project signboards with size of 1.8 x 1.2 m as per specification and instruction of Engineer.	No	2.00			
1.3	Earthwork Excavation in Cutting., Excavation in Hard Rock (blasting prohibited), Roadway Excavation in hard rock with rock breakers, including breaking rock, lifts and lead for disposal as per Drawing and Technical Specifications. (SS 905)	Cum	2,000.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.4	Roadway Earthwork Excavation in Cutting in all types of Soil by Mechanical Means, including removal of stumps and other deleterious matter, all lifts and lead as per Technical specification and Drawing and instruction of the Engineer. (SS905)	Cum	2,217.00			
1.5	Earth work in excavation of foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material as per Drawing and Technical Specifications.(SS 907)	Cu.m.	1,733.74			
1.6	Providing and laying of hand pack Stone soling and packing with smaller stone on prepared surface as per Drawing and Technical Specifications. (SS 3111)	Cu.m.	192.69			
1.7	Providing and laying of Plum concrete (Boulder mixed concrete) (60% M 15 concrete and 40% boulders/ stones) using Mechanical Aids, including formworks/ falsework, compaction, curing and weep hole as per Drawing and technical Specifications (SS 3113).	Cu.m.	844.42			
1.8	Providing and laying of Plain/Reinforced Cement Concrete in Foundation/Structure including compaction, curing, testing, formwork, relavent lead & lift etc all complete as per Drawing and Technical Specifications., RCC Grade M 25/20. (SS2000)	Cu.m.	18.75			
1.9	Providing and laying, fitting and placing un-coated Mild steel/ HYSD reinforcement including cutting, bending, lapping and shifting to site etc. all complete as per specification and drawing. (SS2014)	Mt.	1.443			
1.10	Providing and Laying Reinforced Cement Concrete Flush jointed Pipe for culverts Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications. 600 mm internal dia(with socket system). (SS 701)	R.M.	22.50			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.11	Providing and Laying Reinforced Cement Concrete Flush jointed Pipe for culverts Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications. 900 mm internal dia(with socket system). (SS 701)	R.M.	12.50			
1.12	Providing and laying mechanical woven Gabion boxes /mattresses, placing in position including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires, tying down the lid and filling stone/boulder in gabion boxes/mattress etc.. Including dressing, bedding, bonding all complete as per Drawing and Technical Specifications. (Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm, mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm)(SS 2402)	Cu.m.	1,235.00			
1.13	Laying and fixing of Geo-Textile all complete as per specification., Providing and laying of a geotextile filter between pitching and embankment slopes as per Drawing and Technical Specifications.(SS 2404)	Sq.m	805.00			
1.14	Compacting original ground supporting sub-grade, Loosening of the ground upto a level of 500 mm below the sub-grade level, watered, graded and compacted in layers as per Drawing and Technical Specifications.(SS 1003, 1005)	Cu.m.	1,479.50			
1.15	Providing and laying granular sub-base (Grading-V, Table 12.1) on prepared surface, mixing at OMC, and compacting to achieve the desired density by using mechanical means, complete as per Drawing and Technical Specifications. (SS 1201)	Cu.m.	2,959.00			
1.16	Providing and laying Crusher Run Macadam (Table No. 12.8) on a prepared surface, spreading and mixing , watering and compacting by mechanical means to form a layer of Base course as per Drawing and Technical Specifications. (SS 1204)	Cu.m.	2,134.42			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.17	Providing and applying prime coat with Hot Bitumen MC 30/70 (including cutter) by Mechanical Means on prepared surface of granular base including cleaning of road surface and spraying by mechanical means as per Technical Specification. (SS 1302)	Ltr.	12,806.52			
1.18	Providing and applying Tack coat with Bitumen Providing and applying tack coat with hot Bitumen by Mechanical Means, at specified rate on the prepared non-bituminous surfaces including cleaning as per Technical Specification.(SS 1302)	Ltr.	7,114.73			
1.19	Providing and laying close-graded premix surfacing, Mechanical means using HMP and PAVER FINISHER of appropriate capacity, material of 20 mm thickness composed of 11.2 mm to 0.09 mm or 13.2 mm to 0.09 mm aggregates using bitumen as wearing course on a previously prepared base, including mixing in a suitable plant as per Drawing and Technical Specifications. Type-B (SS 1310)	Cu.m.	284.59			
1.26	Compacting original ground supporting sub-grade, Loosening of the ground upto a level of 500 mm below the sub-grade level, watered, graded and compacted in layers as per Drawing and Technical Specifications.(SS 1003, 1005) for Rigid Pavement	Cu.m.	420.80			
1.27	Providing and laying granular sub-base (Grading-V, Table 12.1) on prepared surface, mixing at OMC, and compacting to achieve the desired density by using mechanical means, complete as per Drawing and Technical Specifications. (SS 1201) for Rigid Pavement	Cu.m.	841.60			
1.28	Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications, PCC Grade M 15 including (SS 2000)	Cu.m.	269.50			
1.29	Providing and laying of Plain/Reinforced Cement Concrete/RCC Grade M 30 in Foundation including Compaction,Finishing,Curing and Formwork all complete as per Drawing and Technical Specifications.(SS 2000)	Cu.m.	2,879.40			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.30	Providing and laying, fitting and placing un-coated Mild steel/ HYSD reinforcement including cutting, bending, lapping and shifting to site etc. all complete as per specification and drawing. (SS2014)	Mt.	67.65			
1.31	Providing and erecting a "W" metal beam crash barrier (Crash Barrier, Type - A, "W") comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m center to center, 1.8 m high, 1.1 m below ground/road level metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per Drawing and Technical Specifications.(Including Excavation And concrete M20) (SS1511)	R.M.	770.00			

Total Item Price	
VAT (13.00%)	
Grand Total	