Bill of Quantities (BOQ)

Construction and Upgradation of ShahGhat-Limgha-Satyawati Road (Ch:-2+660 to 3+180 and 3+680 to 3+830)

IFB No.: 801055212/801055212/IFB/02-2083-84

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Carrying out different laboratory tests of construction material like cement, rod, bricks, sand, aggregate and concrete cubes, Bitumen, field density etc during construction as per specification and instruction and others work not included in estimate	PS	1.00	1,00,000.00 One lakh rupees only.	1,00,000.00 One lakh rupees only.
	Total provisional sums				1,00,000.00 One lakh rupees only.

Road construction works **CPV: 45233120-6 - Road construction works**						
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 and personnel injury or death and third party as per contract data including mobilization, demobilization expenses for manpower, equipment (Cl. 13 of CoC)	LS	1.00			
1.17	Provide and installation of project information board of size 1.80 mx1.2 m along with iron posts including excavation, concreting, backfilling etc all complete as per DoR Standard Specification for Road and Bridge Works (SSRBW) July 2001,Section-108	Nos	1.00			
1.18	Haulage of Surplus Materials by Tipper including cost of loading, Unloading and Stacking 1000 meters and above as per Direction of Engineer.	cum	2,322.97			

Road construction works
CPV: 45233120-6 - Road construction works

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.19	Roadway Excavation in all types of soil and ordinary/hard rock by Mechanical Means as per drawing and technical specification, including removal of stumps and other deleterious matter, with all lifts and lead as per Drawing and instruction of the Engineer. [Spec. cl. No: 905]	cum	3,210.00			
1.20	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 in all types of soil upto 3m depth. [Spec. cl. No: 907]	cum	642.59			
1.21	Providing,laying and levelling of hand packed Stone soling with 150 to 200mm thick stones and packing with smaller stone on prepared surface as per Drawing and Technical Specifications and Engineer's Instruction. [Spec. cl. No: 1003,1005]	cum	93.96			
1.22	Providing and laying of Plain /Reinforced Cement Concrete in foundation Including formwork complete as per Drawing and Technical Specifications : PCC Grade M 15 (SS/SP-2000)	cum	38.17			
1.23	Providing and placing Plum concrete (Boulder mixed concrete) with 60% M 15/40 concrete and 40% boulders/stones Lead 30m, lift 1.5m, using concrete mixer and vibrator including formworks, 110mm dia PN6 HDPE Pipe for Weep hole ,curing, testing and backfilling etc. all complete as per technical specification and drawing and Engineer's instructions. [Spec.Cl.No.2421]	cum	472.91			
1.24	Providing and Laying Reinforced Cement Concrete NP3 Flush jointed pipe 450 mm dia (internal) for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications. (SS/SP-701)	Rm	10.00			

Road construction works
CPV: 45233120-6 - Road construction works

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.25	Providing, assmebling and laying mechanically woven heavily zinc coated, double twisted 100 mm X 120 mm hexagonal mesh type gabion structure (mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm) for retaining earth including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires; filling stone/boulder in gabion boxes/mattress including dressing, bedding, bonding and tying down the lid all complete as per specifications. [2 X 1 X 1 m (11 sqm) / 2 Cum]	Cum	12.00			
1.26	Providing, assmebling and laying mechanically woven heavily zinc coated, double twisted 100 mm X 120 mm hexagonal mesh type gabion structure (mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm) for retaining earth including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires; filling stone/boulder in gabion boxes/mattress including dressing, bedding, bonding and tying down the lid all complete as per specifications. [1.5 X 1 X 1 m (8 sqm) / 1.5 Cum]	Cum	7.50			
1.27	Scarifying Existing road Surface to a depth of 50 mm by Mechanical Means, Scarifying the existing road surface to a depth of 50 mm and disposal of scarified Material with in all lifts and lead as per Drawing and Technical Specifications. [Spec. cl. No: 1003]	sqm	3,643.33			
1.28	Providing,laying, spreading, levelling, watering of granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, all complete as per Drawing and Technical Specifications and Engineer's Instructions.By mechanical means. [Spec. cl. No: 1201]	cum	364.33			
1.29	Providing and placing machine mixed Plain Cement Concrete M 25/20 in Foundation and footing etc. including installation of formworks, compaction, curing, testing and lead 30m etc. all complete as per Drawing and Technical Specifications and Engineer's instruction. [Spec. cl. No: 2000]	cum	730.10			

Road construction works CPV: 45233120-6 - Road construction works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.30	Laying of 125 micron polyethene sheet over prepared sub-base to cater for Rigid Pavement as per drawings and technical Specifications	Sqm	3,613.83			
1.31	Providing,laying, fitting and placing un-coated HYSD reinforcement Fe500 including cutting, binding, bending etc. all complete in foundation/sub-structure as per drawing and technical specification. [Spec. cl. No: 2000]. It includes procuring steel, it's bending, placing, binding and fixing in position as shown on the drawings and as directed by the Engineer. It also includes all devices for keeping reinforcement in approved position and jointing as per approved method with due allowance for wastage, overlaps, spacer bars and annealed steel wire for binding; as per specified and directed by the Engineer.	ton	18.61			

Total Item Price	
VAT (13.00%)	
Grand Total	