Bill of Quantities (BOQ)

Ekpakhe-chhatiwan-Sikre Road Upgrading work, Kamalamai Municipality- 11 & 12, Sindhuli

IFB No.: 801032501/01/083/084

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	ProReconstruction and relocation of damaged public utility services (water supply lines, electric lines, irrigation channels, etc.) as instructed by the engineer. visional Sum	PS	1.00	2,50,000.00 Two lakh fifty thousand rupees only.	2,50,000.00 Two lakh fifty thousand rupees only.
PS.2	Provisional SInsurance for the loss of damage to works, plant, material, equipment property and personnal injury or death and third paty. um	PS	1.00	1,50,000.00 One lakh fifty thousand rupees only.	1,50,000.00 One lakh fifty thousand rupees only.
PS.3	Provisional SSupplying and erecting 1.2m.x 0.75m. Size project sign board in place including 40 mm Square black pipe (2 posts), 2 mm thick steel plate, cement concrete, painting, writing and supporting steel angle, nut, bolts etc all complete. um	PS	1.00	5,000.00 Five thousand rupees only.	5,000.00 Five thousand rupees only.
	Total provisional sums				4,05,000.00 Four lakh five thousand rupees only.

Site preparation work CPV: 45100000-8 - Site preparation work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.1	Clearing landslides, debris from causeways, culverts and side drains including haulage for disposal within 1 km	Cum	915.50			
1.2	Removal of earth from the choked hill side drain and disposing it on the valley side by mechanically, Assuming muck causing choking of drain to be 0.2 cum pe meter, quantity of earth to be removed for 1 km.	Cum	208.19			

Site preparation work CPV: 45100000-8 - Site preparation work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.3	Earthwork excavation in all types of soil by mechanical means (EXCAVATOR) as per drawing and technical specification, including removal of stumps and other deleterious matter, with all lifts and lead as drawing and instruction of engineer.	Cum	3,790.95			
1.4	Construction of embankments with material deposited from Earthwork Cutting: Providing, laying, spreading and compacting embankment with Earthwork cutting material and compact to the required density as per drawing and Tech, specification. (With Machine)	Cum	793.30			

Structures construction work CPV: 45223000-6 - Structures construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
2.1	Providing and laying of hand pack Stone soling with 150 to 200 mm thick stones and packing with smaller stone on prepared surface as per Drawing and Technical Specifications.	Cum	147.82			
2.2	Providing and Laying of Gumboj Plastic as drawing and instruction of engineer.	Sqm	730.00			
2.3	Providing and laying of Plain /Reinforced cement concrete in foundation (with form work) complete as per Drawing and Technical Specification : PCC Grade M 15 (or 1:2:4 for nominal mix)	Cum	220.33			
2.4	Providing and laying of Random rubble stone masonry works in cement mortar 1:4 in foundation as per drawing and technical specification	Cum	221.32			
2.5	Providing and pointing with cement mortar on masonry work in structuire as per technical specification (cement mortar- 1:3)	Sqm	272.10			

Structures construction work CPV: 45223000-6 - Structures construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
2.6	Providing and laying, fitting and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specification	Kg	560.32			
2.7	Providing and laying Plum concrete (60% M 15 concrete and 40% boulders/stones) as per Drawing and Specifications	Cum	264.10			
2.8	Providing, preparing and installing form work including necessary supports and removing after completion for walls/structures. (Class F2 Finish), vertical plain surface; Using Ply wood. (Height upto 3 m)	Sqm	1,109.50			
2.9	Heavy coated machine made gabion matress of different sizes 10*12/2.7/3.4/2.2/ZN	Sqm	2,884.00			
2.10	Assembling mechanical woven Gabion boxes/mattresses, placing in position including stretching; forming compartrments; tying the sides and diaphragm with binding wire in each mesh; tying with bracing wires and tie wirews; and tying down the lid complete as per specification (stone filling not included)	Sqm	2,884.00			
2.11	Providing and filling stone boulders in Gabion boxes/mattresses etc. including dressing, bedding, bonding all complete as per drawing and technical specification	Cum	538.50			
2.12	Providing and Laying of a Geo-Textile filter/geo membrane between pitching and embankment slopes,behind earth retaining structures as per drawing and Technical specification	Sqm	310.00			
2.13	Providing and Laying 160 mm dia HDPE Pipe PN 10 NS	Rm	24.00			
2.14	Providing and Laying 110 mm dia HDPE Pipe PN 10 NS	Rm	27.00			
2.15	Providing and Fixing 75mm dia Local HDPE Pipe for Weep hole	Rm	150.00			

Structures construction work
CPV: 45223000-6 - Structures construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
2.16	Earthwork excavation in all types of soil by mechanical means (EXCAVATOR) as per drawing and technical specification, including removal of stumps and other deleterious matter, with all lifts and lead as drawing and instruction of engineer.	Cum	364.82			
2.17	Providing and laying of hand pack Stone soling with 150 to 200 mm thick stones and packing with smaller stone on prepared surface as per Drawing and Technical Specifications.	Cum	32.54			
2.18	Providing and laying of Plain /Reinforced cement concrete in foundation (with form work) complete as per Drawing and Technical Specification : PCC Grade M 15 (or 1:2:4 for nominal mix)	Cum	26.09			
2.19	Providing and laying of Random rubble stone masonry works in cement mortar 1:4 in foundation as per drawing and technical specification	Cum	156.34			
2.20	Providing and pointing with cement mortar on masonry work in structuire as per technical specification (cement mortar- 1:3)	Sqm	215.36			
2.21	Providing and laying of Plain/Reinforced cement concrete in sub-structure (with form work) complete as per drawing and Technical Specifications: PCC Grade M 20 (or 1:1.5:3 nominal mix)	Cum	15.88			
2.22	Providing and laying, fitting and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specification	Kg	2,047.66			
2.23	Construction of embankments with material deposited from Earthwork Cutting: Providing, laying, spreading and compacting embankment with Earthwork cutting material and compact to the required density as per drawing and Tech, specification. (With Machine)	Cum	23.25			
2.24	Providing and laying Reinforced Cement Concrete NP3 (900 mm Dia) Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specification	Rm	12.50			

Structures construction work CPV: 45223000-6 - Structures construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
2.25	5.00 m Existing 90 cm dia Hume Pipe Uproot, Transportation & Re Laying work.	Job	2.00			
2.26	Providing and Fixing 75mm dia Local HDPE Pipe for Weep hole	Rm	64.00			
2.27	Construction of subgrade and earthen shoulders with approved material (capping layer) obtained from borrow pits with all lifts & leads lead as per drawing and technical spacification	Cum	192.65			
2.28	Providing and laying granular Sub base material by mechanical means on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications	Cum	378.90			
2.29	Providing and laying Crusher Run Macadam on a prepared surface, spreading and mixing, watering and compacting to form a layer of base course as per drawing and technical specifications. (by mix in place method)	Cum	56.60			
2.30	Providing and applying prime coat with hot bitumen (including Cutter) on prepared surface of grannular base including cleaning of road surface and spraying by Mannual means as per technical specification	Sqm	566.00			
2.31	Providing and applying tack coat with hot bitumen at specified rate on the prepared non-bituminous surfaces including cleaning as per technical specification	Sqm	566.00			
2.32	Providing mixing and laying Premix carpeting with Compaction.technical specification	Cum	16.98			
2.33	Providing and laying seal coat sealing the voids in a bituminous surface as per Drawing and Technical Specifications.	Sqm	566.00			

Structures construction work CPV: 45223000-6 - Structures construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
2.34	Supplying and erecting traffic sign in place including 50mm dia. 2.8mm thick Steel tube, 2mm. thick steel plate, cement concrete, painting, writing and supporting steel angle nut and bolt etc. complete a) 60cm.x 45cm. rectangular shaped sign (single post).	No.	1.00			

Total Item Price	
VAT (13.00%)	
Grand Total	