Bill of Quantities (BOQ)

Lorkha Sakaar Kailpal Sadak

IFB No.: 80774402300/80774402300/PTNMUN/WORKS/2083/084-03

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Purchasing/ posting insurance of works, plants and materials, loss and/or damage to equipment, Contractor's workers, staffs and employees inclusive of third party insurance against damage to persons and property as per GCC clause no. 19	PS.	1.00	1,00,000.00 One lakh rupees only.	1,00,000.00 One lakh rupees only.
PS.2	Carrying out all additional tests for materials and works in laboratory (to be accepted by the project Manager) and in field as required and instructed by the Project Manager,as per SSRBW 510	PS.	1.00	20,000.00 Twenty thousand rupees only.	20,000.00 Twenty thousand rupees only.
PS.3	Providing and installation of project information boards with size of 1.8 x 1.2 m as per specification and instruction of engineer (SSRBW 110)	No.s	1.00	12,558.16 Twelve thousand five hundred fifty-eight rupees and sixteen paisa only.	12,558.16 Twelve thousand five hundred fifty-eight rupees and sixteen paisa only.
	Total provisional sums				1,32,558.16 One lakh thirty-two thousand five hundred fifty-eight rupees and sixteen paisa only.

Civil Work > SITE CLEARANCE WORK:						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.1	Site clearing and grubbing or removal of smaller trees, shrubs, stumps, roots and rubbish from the construction site including cutting of trees all complete having grith of less than 30 cm when measured 1 m above the ground. This item shall include stacking of useful materials properly as instructed by the project manager inclusive of transportation and disposal of useless/ waste materials at designated or approved place as directed by project manager.DoR SS/SP 201	Sqm.	2,160.00			

EARTH WORK:						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
2.1	Road way Excavation as per Drawing and technical specifications including removal of stumps and other deleterious matter transportated up to safe environmentally tipping site , all lifts and lead as per Drawing and instruction of the Engineer,as per SSRBW 905	Cum.	4,090.99			
2.2	Earth work in excavation of foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling in layer and compaction with approved Material as per Drawing and Technical Specifications. as per SSRBW- 907	Cum.	131.60			

Structural And Drainage Work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
3.1	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.	136.98			
3.2	Cement concrete work in plain and reinforced concrete (Concrete Strength/ Nominal Size of Aggregates) =M15/40 :- Supplying of cement, sand, aggregates and all other materials necessary for completion of work including all labors (skilled/ unskilled) and plants required for mixing, placing in position, vibrating, compacting, finishing, curing and all other incidentals required to produce the concrete of specified strength as mentioned below as per drawing , as instructed by the project manager. DoR SS/SP 2000	Cum.	43.74			

Structural And Drainage Work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
3.5	Stone masonry work in 1(cement) : 4(sand) ratio mortar : Supplying of required materials (stone, cement sand, etc), skilled and unskilled labor and other incidentals required to complete the constructions of drainage structures, walls and other masonry works as per the	Cum.	8.96			

Structural And Drainage Work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
	specification and drawings. This item rate shall also include costs of specially dressed stone to be used on vertical and batter wall faces, scafolding, curing, for provision of or constructing necessary weep holes by using HDPE pipes and geotextile fabric in the inlet of pipe as instructed by the project manager. DoR SS/SP 2600,2607					
3.6	Supply and assembly of Machine Made mechanically salvaged Gabion and Mattresses produced from double twisted heavy coated GI wire, of hexagonal mesh size 100 mm x 120 mm, with mesh wire 3 mm, selvedge wire 3.9 mm, lacing wire 2.4 mm.This item shall include construction of gabion structures all complete including placing in position, stretching, forming compartments, tying sides and diaphragms with binding wire, tying with bracing wires and tie wires, and tying down the lid, supplying, packing and filling of gabion crates with rubble stones all complete as per design, drawings, specifications and as per instruction of project manager. DoR SS/SP-2401, 2402	Cum.	393.55			
3.7	Providing, laying and fixing geo-textile (filter fabric)/ geo-membrane at the specified locations or as instructed by the project manager.DoR SS/SP-2404	Sqm.	158.30			
3.8	Providing and placing Plum concrete with 60% M 15/40 concrete and 40% boulders/stones, including formwork, Scaffolding and HDPE Pipe Weep Hole as per specification Lead 30m, lift 1.5m , using concrete mixer and vibrator. (Section 2421)	Cum	365.40			
3.9	Cement concrete work in plain and reinforced concrete (Concrete Strength/ Nominal Size of Aggregates) =M20/20 :- Supplying of cement, sand, aggregates and all other materials necessary for completion of work including all labors (skilled/ unskilled) and plants required for mixing, placing in position, vibrating, compacting, finishing, curing and all other incidentals required to produce the concrete of specified strength as mentioned below as per drawing , as instructed by the project manager. DoR SS/SP 2000	Cum.	10.80			

Structural And Drainage Work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
3.10	Supplying and placing of reinforcement bar of Fe-415 (yield stress) or higher grade TMT bars as specified on the darwings for all types of R.C.C. works including straightening, cutting, bending, binding and fixing in position all complete as per drawing and specification. It also includes all devices for cutting, bending, keeping reinforcement in approved position and jointing by approved method with due allowance for wastage, overlaps, and spacer bars and annealed steel wire for binding. DoR SS/SP 2014	Kg.	726.77			
3.11	Supplying, laying, fitting and fixing of NP3 RCC Hume pipes of diameter 600 mm and collars in lines and levels as shown in drawing . It includes all operations required to complete the work including jointing of pipes with 1:2 cement sand mortar all complete as mentioned in drawing and specification and as directed by the project manager. DoR SS/SP 701	Rm.	7.50			
3.12	Supplying, laying, fitting and fixing of NP3 RCC Hume pipes of diameter 900 mm and collars in lines and levels as shown in drawing . It includes all operations required to complete the work including jointing of pipes with 1:2 cement sand mortar all complete as mentioned in drawing and specification and as directed by the project manager. DoR SS/SP 701	Rm.	20.00			
3.13	Back fill with graded filter materials in layer with necessary watering and compaction, all complete. DoR SS/SP-909	Cum.	0.20			

Pavement Work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
4.3	Compacting original ground to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve dry density as per Drawing and Technical Specifications. DoR SS/SP 1003/1005	Sqm.	2,160.00			

Pavement Work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
4.4	Supplying, laying, spreading, grading, watering to optimum moisture content as determined from laboratory, leveling including commpacting by heavy steel or vibratory roller to the required modified Proctor density all complete for Sub- base Course. Gravel subbase material shall be of approved gradation and quality and of specified thickness from the sub-grade to the level under the base coarse layer using subbase material , watering and compaction as per specifications. Subbase construction shall be done in lines, levels, gradient, camber and thickness as indicated on drawings and as directed by the project manager and also as per specifications of DoR SS/SP 1201	Cum.	724.87			

Total Item Price	
VAT (13.00%)	
Grand Total	