Bill of Quantities (BOQ)

Upgrading Works Of Bhainse Chailaune Melchaur Agricultural Road, Ward no - 9 & 8

IFB No.: 801032701/CSGM/NCB/WORKS-02/083/084

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Carry out additional tests for material and works as required and instructed by the Project Manager.	PS	1.00	85,000.00 Eighty-five thousand rupees only.	85,000.00 Eighty-five thousand rupees only.
PS.2	Insurance of works, plants, materials, loss and damage to equipments, Contractor's workmen and employees and third party insurance against damage to other persons and property	PS	1.00	1,35,000.00 One lakh thirty-five thousand rupees only.	1,35,000.00 One lakh thirty-five thousand rupees only.
PS.3	Providing and installation of project information board as per specification and instruction of engineer.	PS	1.00	5,000.00 Five thousand rupees only.	5,000.00 Five thousand rupees only.
	Total provisional sums				2,25,000.00 Two lakh twenty-five thousand 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	Roadway excavation in all type of soil as per drawing and technical specification, including removal of stumps and other deletrious matter, with all lifts and lead as per drawing and instruction of the engineer.(By Mechanical means)	cum	3,959.75			
1.2	Stone soling work including tightly packing of stones in design line and level on prepared subgrade and filling of voids with spalls including full compensation for labor, materials and other incidental required to complete works.	cum	472.50			

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)**
1.3	P.C.C.(1:2:4) work : (It includes all labour and material required for mixing, placing in position, vibrating, compacting, finishing, curing and all other incidentals required to produce concrete (20mm down graded aggregates) of specified strength as per specifications & drawings. The rate includes the work of making, fixing and removing of all centres and forms required for work.)	cum	82.46			
1.4	Uncoursed stone rubble masonry works in 1:4 C/S ratio including full compensation for all labour, materials and other incidentals required to complete the work as per the specifications and drawings. It includes full compensation for using specially dressed stones on the face of wall with batter and provisions for weep hole (90mm dia hdpe pipe PN-10,1.2m C/C) as necessary as mentioned in specification and directed by the Engineer :	cum	97.40			
1.5	Providing and laying plum concrete (Boulder mixed concrete) : 60% M15 concrete and 40% boulders/stones, including form work and 90 mm dia. HDPE weep hole as per drawing & technical specification. Using Mechanical aids.	cum	252.00			
1.6	P.C.C.(1:1.5:3) work for RCC : (It includes all labour and material required for mixing, placing in position, vibrating, compacting, finishing, curing and all other incidentals required to produce concrete (20mm down graded aggregates) of specified strength as per specifications & drawings. The rate includes the work of making, fixing and removing of all centres and forms required for work.)	cum	292.50			

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)**
1.7	Reinforcement for RCC work . Torsteel bars of approved brands (415 - 500) Mpa Reinforcement steel t includes procuring steel, bending, placing, bindingand fixing in position as shown on the drawings and as directed by the engineer. It also includes al devices for keeping reinforcement in approved position and jointing as per approved method with due allowances for wastage, overlaps, spacer bars and annealed steel wire for binding :	kg	12,037.04			
1.8	Providing and laying reinforced cement concrete NP-3 flush jointed pipe for culverts including fixing with cement mortar 1:2 as per drawing and technical specification. 600 mm (internal) diameter.	Rm	22.50			
1.9	Providing Mechanically woven Double twisted crates of Mesh wire-3mm, selvedge wire 3.9mm, lacing 2.4mm heavy coatred hexagonal mesh type 100mm*120mm including rolling, cutting, weaving, placing. Laying sides and diaphragms with binding wire, tyingdown the lid, and fillings stones all complete as per drawing and technical specification.	cum	845.00			
1.10	HDPE Pipe for Irrigation crossing 160mm outer diameter 6''of PN16 of 7.585kg/m	Rm	40.00			
1.11	Roadway excavation in all type of soil as per drawing and technical specification, including removal of stumps and other deletrious matter, with all lifts and lead as per drawing and instruction of the engineer.(By Mechanical means Ordinary Rock By Using Breaker)	Cum	45.36			
1.12	Loading and Unloading of Stone boulders/Aggregates/sand/ Excavated earth etc placing tipper at loading point, loading with frint end loader, dumping, turning for return trip, excluding time for laulage and return trip(by Mechanical means) 500m	cum	2,351.50			

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)
1.13	Compacting original ground supporting sub-grade: Loosening of the ground up to a level of 500mm below the subgrade level, watered,graded and compaction in layers as per drawing & technical specification.	sqm	3,320.50			
1.14	Providing and laying granular river bed natural gravel sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing & Technical Specification[Table 12.1(I), SS1201].	cum	664.10			
1.15	Providing, laying, spreading, watering, leveling and compaction of crusher run materials for base course lead up to 10m according to the designed camber all complete as mentioned in the specification and directed by the Engineer. [SS1204]	cum	498.07			
1.16	Providing and spraying bituminous prime coat MC30/MC70 including cleaning the road surface using wire, brushes, broom etc before applying prime coat as mentioned in the specification. Spray rate as instructed by engineer.[SS1302]	ltr	3,320.50			
1.17	Providing and spraying bituminous tack coat MC30/MC70 including cleaning the road surface using wire, brushes, broom etc before applying prime coat as mentioned in the specification. Spray rate as instructed by engineer	ltr	1,992.30			
1.18	Providing and laying Open-graded premix of 20mm thickness composed of 13.2mm to 5.6mm aggregates as wearing course on a previously prepared base, including mixing in a suitable plant as per drawing and technical specification . [SS1311]	cum	66.41			
1.19	Providing & laying seal coat sealing the voids in a bituminous surface as per drawing & technical specification.[SS13101]	sqm	3,320.50			
1.20	6 mm thick plywood for Expansion joint for all RCC Pavement area (It includes all labour and material required as per specifications & drawings.) :	sqm	49.50			

Total Item Price	
VAT (13.00%)	
Grand Total	