



BILL OF QUANTITIES for THE PROCUREMENT OF

Upgrading of Dhadachaur Budhapokhari Road

Contract No.: Panauti/NCB/Works/Ward01/2083/84/09

National Competitive Bidding (NCB)
Single-Stage: Two-Envelope Bidding Procedure

**Panauti Municipality
Office of the Municipal Executive
Panauti, Kavre**

Issued on: 2083/05/26

Invitation for Bids No.:

Panauti/NCB/Works/Ward01/2083/84/09

Contract Identification No.:

Panauti/NCB/Works/Ward01/2083/84/09



Panauli Municipality
Office of Municipal Executive
Panauli, Kavre
Bagmati Province, Nepal



Project Name:

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Upgrading of Dhadachaur Budhapokhari Road
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Procurement Item Details							
S.N.	Item Description	Unit	Quantity	Unit Rate (NPR)	Rate in Words	Amount (NPR)	Remarks
A. Provisional Sum							
1	Insurance for the loss of or damage to works, plants, materials, contractor's equipments, personal Injury or death including third party & insurance against lost or damage to other properties.	PS	1	135,000.00	One lakh Thirty Five Thousand	135,000.00	
2	Provide ,operate and Maintain Quality Control Laboratory including equipment,accessoriesm and consumables for both fiel testing facilities and off site test with manpower as per Contract Document	PS	1	100,000.00	One lakh	100,000.00	
3	Provide and Installed Project Sign boards in 1" sq pipe frame	PS	1	1,000.00	One Thousand	1,000.00	
4	Provision and management of personal protective equipment and first aid facilities to all the labors, supervisors and site staffs as per the specification/ Special Provision of the Contract. [OHS Specification: G-02]	PS	1	30,000.00	Thirty Thousand	30,000.00	
5	Bajaj Pulsar 150 TD, 149.5 cc Twin Spark FI DTS-i engine, 5-speed transmission, front and rear disc brakes, tubeless tyres, complete with standard accessories and warranty, for use by Site Engineer.	PS	1	390,000.00	Three lakh Ninety Thousand	390,000.00	
6	Provision for minor unforeseen items and incidental works not specifically included in the BOQ but necessary for the satisfactory completion of the project as directed by the Engineer.	PS	1	150,000.00	One lakh Fifty Thousand	150,000.00	
Total A						806,000.00	
B. Construction Work							
1	Road way Excavation in all types of soil as per Drawing and technical specifications including removal of stumps and other deleterious matter, all lifts and lead as per Drawing and instruction of the Engineer.(Mechanical means)	CUM	24287.01				



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S.N.	Item Description	Unit	Quantity	Unit Rate (NPR)	Rate in Words	Amount (NPR)	Remarks
2	Providing and laying of hand pack stone soiling with 150mm to 200mm thick stone and packing with smaller stone on prepared surface as per drawing and technical specification. (Quarry stone)	CUM	30.15				
3	Providing and laying of PCC/RCC in foundation complete as per drawing and technical specification. (A) PCC M15	CUM	22.63				
4	Providing and laying of PCC/RCC in foundation complete as per drawing and technical specification. (B) PCC M20	CUM	90				



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5	Rubble masonry work in inclined level in 1:6 C/S mortar in perfect line level finish including, racking the joints and curing the work for at least 7 days all complete.	CUM	496.24				
6	Providing, prepration and installing form work including necessary supports and removing after completion for foundation and footing (class F1 finish). (b) using steel	SQM	90				
7	Formwork, shuttering, centering with approved materials for all works necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.	SQM	95.82				



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S.N.	Item Description	Unit	Quantity	Unit Rate (NPR)	Rate in Words	Amount (NPR)	Remarks
8	Providing and laying plum concrete (Boulder mixed concrete) as per drawing and specifications. (A) 60% M15 concrete and 40% boulders/stones (i) using mechanical aids	CUM	8.4				
9	Providing and laying reinforced cement concrete NP3 flushed jointed pipe for culverts including fixing with cement motar 1:2 as per drawing and technical specifications. (C) 600mm internal dia	RM	50				
10	Providing and laying reinforced cement concrete NP3 flushed jointed pipe for culverts including fixing with cement motar 1:2 as per drawing and technical specifications. (D) 900mm internal dia	RM	10				



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11	Providing and laying gabion structure for retaining earth with diaphragm including rolling, cutting weaving, placing, laying sides, and diaphragm with binding wire and filling boulders all complete as per drawing and technical specification. (A) Mesh wire- 10 Swg(0.0615kg/m), selvedge wire 8Swg(0.1057kg/m), binding wire 12 Swg (0.0409kg/m) Hexagonal mesh type 100mm*120mm,(i) Box size 3*1*1m, 2*1*1m, 1.5*1*1m (16Sqm, 11Sqm, 9Sqm)	CUM	106				
12	Providing and fixing of geo textile filter between pitching and embankment slopes as per drawing and technical specification.	SQM	147				
13	Providing , laying, spreading and compacting embankment with roadway cutting and compact to the required density material as per drawing and technical specification (Machine)	CUM	1201.5				



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S.N.	Item Description	Unit	Quantity	Unit Rate (NPR)	Rate in Words	Amount (NPR)	Remarks
14	Clearance of landslides in soil and ordinary rock by machine and disposal of the same on the valley side .	CUM	4490.25				
15	Removal of unserviceable soil including excavation loading and disposal upto 1500m lead	CUM	2817				
16	63MM PN-10 HDPE for weep hole in rubble masonry as per drawing design and technical specifications.	RM	192				



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S.N.	Item Description	Unit	Quantity	Unit Rate (NPR)	Rate in Words	Amount (NPR)	Remarks
17	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.	CUM	1841.93				
18	Providing and laying Granular Crusher run Sub-Base Material By Mechanical means Providing and laying granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications.	CUM	921.44				
19	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.	CUM	921.44				



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S.N.	Item Description	Unit	Quantity	Unit Rate (NPR)	Rate in Words	Amount (NPR)	Remarks
20	Prime Coat, with MC 30 / 70 by Mechanical Means Providing and applying prime coat with Hot Bitumen (including cutter) on prepared surface of granular base including cleaning of road surface and spraying by mechanical means as per Technical Specification .	LTR	4855.5				
21	Tack coat with Bitumen By Mechanical Means Providing and applying tack coat with hot Bitumen at specified rate on the prepared non-bituminous surfaces including cleaning as per Technical Speciation .	LTR	3237				
22	Providing and laying close graded premix surfacing material composed of 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 the Technical Specification and Drawings. Type-B	CUM	161.85				



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S.N.	Item Description	Unit	Quantity	Unit Rate (NPR)	Rate in Words	Amount (NPR)	Remarks
23	Providing and laying seal coat sealing voids in a bituminous surface as per drawing and technical specifications.	SQM	5395				
24	Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed roadmarking paint conforming to NS 408/ IS164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications. (i)Over 10 cm in width	SQM	389.25				
					Total B		
					13 % VAT on Total B		
					Grand Total (Total A+Total B+13% VAT on Total B)		
Grand Total (in words)							