

External Development of Telecom & Chemical Engineering Departments at QUEST Nawabshah

Bill of Quantities

A. ROAD Section I

S.No	DESCRIPTION	UNIT	QTY	RATE(RS)	AMOUNT(RS)
1	Clearing & Grubbing				
	Clearing and grubbing the site by cutting, uprooting and removing all rubbish and shrubs including disposal to (outside limits) designated places.	100 Sft	15,750	97.07	15288.53
	Chapter-1, Page#1, Item# 1				
2	Excavation Work				
	Earth work embankment from borrow pits including laying in 6" layers, clod breaking ramming dressing complete, lead upto 100 ft : lift upto 5 ft : (Inordinary soil).				
	For 95-100% modified AASHO density.	1000 Cft	10,459	9351.27	97802.60
	Chapter-1, Page#2, Item# 6 (II) a				
3	Compaction of Natural Ground				
	Compaction of Natural Ground upto a depth of 20cm (8") below the natural ground level compacted upto 90% density modified AASHTO.	100 Sft	13,945	177.56	24760.74
	Chapter-1, Page#1, Item# 2				
4	EMBANKMENT				
	Earth work for road embankment by buldozer including plouging.Mixing clod breaking ramming and compacting with optimum moisture content.Lead upto100 ft:and lift upto 5 ft: in all types of soil except rock.				
	For 95-100% modified AASHO density.	1000 Cft	13,945	13333.07	185929.66
	Chapter-1, Page#1, Item# 5				
5	Preparing Sub Grade				
	Preparing sub grade including earth excavation or filling to an everage depth of 9" dressing to camber and consolidation with power Roller.	100 Sft	12,027	526.28	63295.70
	Chapter-2, Page#2, Item# 9				
6	Sub base				
	Preparing sub-base course by supplying and spreading stone metal 1-1/2" - 2" guage of approved quality from approved quarry in required thickness to Proper camber and grade including hand packing, filling voids with 20 cft of pit / canal sand having plasticity index not more then 6 % of suitable quality, watering & compacting to achieve 98-100% density as per modified AASHO specification (Rate includes all cost of materials T&P and carriage upto 3 chains)	100 Cft	9,020	9600.41	865981.26
	Chapter-2, Page#4, Item# 11(a)				
7	BASE COURSE				
	Preparing base course supplying and spreading stone metal of approved quality properly graded to maximum size of 1-1/2" in required thickness to Proper camber and grade including supplying and spreading 15 Cft: screenings and non plastic quarry fines, filling depressions with stone metal after initial rolling including watering and compaction the same so as to achieve 100% density as per modified AASHO specifications. (Rate includes providing and using templates, camber plates, screens, forms as directed. (Rate includes all cost of materials T&P and carriage upto 3 chains)	100 Cft	6,014	10971.91	659795.90
	Chapter-3, Page#5, Item# 13(A)				

S.No	DESCRIPTION	UNIT	QTY	RATE(RS)	AMOUNT(RS)
8	<u>Tripple Surface Treatment</u>				
a)	<u>1st Coat</u>				
	Providing surfce dressing 1st coat on new or existing surface with 25 lbs bitumen and 2.75 Cft: of bajri of required size including cleaning the road surface rolling etc, complete. (Rate including all cost of material T&P and carriage upto 3 chain)	100 Sft	12,027	1332.57	160267.88
	Chapter-4, Page#6, Item# 17(A)				
b)	<u>2nd Coat</u>				
	Providing surface dressing 2nd coat on new or existing surface with 25 lbs butimen and 3.5 Cft: of bajri of required size including cleaning the road surface rolling etc, complete. (Rate including all cost of material T&P and carriage upto 3 chains.	100 Sft	12,027	1384.88	166558.95
	Chapter-4, Page#7, Item# 17(B)				
c)	<u>3rd Coat</u>				
	Providing surface dressing 3rd coat on new or existing surface with 14 lbs butimen and 1.5 Cft: of bajri of required size including cleaning the road surface rolling etc, complete. (Rate including all cost of material T&P and carriage upto 3 chains.	100 Sft	12,027	762.08	91655.63
	Chapter-4, Page#7, Item# 17(B)				
				TOTAL	2,331,336.84

B. PARKINGS Area with Road Section II					
1	<u>Clearing & Grubbing</u>				
	Clearing and grubbing the site by cutting, uprooting and removing all rubbish and shrubs including disposal to (outside limits) designated places.	100 Sft	36,500	97.07	35430.55
	Chapter-1, Page#1, Item# 1				
2	<u>Excavation Work</u>				
	Earth work embankment from borrow pits including laying in 6" layers, clod breaking ramming dressing complete, lead upto 100 ft : lift upto 5 ft : (Inordinary soil).				
	For 95-100% modified AASHO density.	1000 Cft	27,375	9351.27	255991.02
	Chapter-1, Page#2, Item# 6 (II) a				
3	<u>Compaction of Natural Ground</u>				
	Compaction of Natural Ground upto a depth of 20cm (8") below the natural ground level compacted upto 90% density modified AASHTO.	100 Sft	36,500	177.56	64809.40
	Chapter-1, Page#1, Item# 2				
4	<u>EMBANKMENT</u>				
	Earth work for road embankment by buldozer including plouging.Mixing clod breaking ramming and compacting with optimum moisture content.Lead upto100 ft:and lift upto 5 ft: in all types of soil except rock.				
	For 95-100% modified AASHO density.	1000 Cft	36,500	13333.07	486657.06
	Chapter-1, Page#1, Item# 5				
5	<u>Preparing Sub Grade</u>				
	Preparing sub grade including earth excavation or filling to an everage depth of 9" dressing to camber and consolidation with power Roller.	100 Sft	20,396	526.28	107340.07
	Chapter-2, Page#2, Item# 9				

S.No	DESCRIPTION	UNIT	QTY	RATE(RS)	AMOUNT(RS)
6	<u>Sub base</u>				
	Preparing sub-base course by supplying and spreading stone metal 1-1/2" - 2" guage of approved quality from approved quarry in required thickness to Proper camber and grade including hand packing, filling voids with 20 cft of pit / canal sand having plasticity index not more then 6 % of suitable quality, watering & compacting to achieve 98-100% density as per modified AASHO specification (Rate includes all cost of materials T&P and carriage upto 3 chains)	100 Cft	10,198	9600.41	979050.13
	Chapter-2, Page#4, Item# 11(a)				
7	<u>BASE COURSE</u>				
	Preparing base course supplying and spreading stone metal of approved quality properly graded to maximum size of 1-1/2" in required thickness to Proper camber and grade including supplying and spreading 15 Cft: screenings and non plastic quarry fines, filling depressions with stone metal after initial rolling including watering and compaction the same so as to achieve 100% density as per modified AASHO specifications. (Rate includes providing and using templates, camber plates, screens, forms as directed. (Rate includes all cost of materials T&P and carriage upto 3 chains)	100 Cft	10,198	10971.9116	1118915.54
	Chapter-3, Page#5, Item# 13(A)				
8	<u>Tripple Surface Treatment</u>				
a)	<u>1st Coat</u>				
	Providing surfce dressing 1st coat on new or existing surface with 25 lbs bitumen and 2.75 Cft: of bajri of required size including cleaning the road surface rolling etc, complete. (Rate including all cost of material T&P and carriage upto 3 chain)	100 Sft	20,396	1332.57	271790.44
	Chapter-4, Page#6, Item# 17(A)				
b)	<u>2nd Coat</u>				
	Providing surface dressing 2nd coat on new or existing surface with 25 lbs butimen and 3.5 Cft: of bajri of required size including cleaning the road surface rolling etc, complete. (Rate including all cost of material T&P and carriage upto 3 chains.	100 Sft	20,396	1384.88	282,459.16
	Chapter-4, Page#7, Item# 17(B)				
c)	<u>3rd Coat</u>				
	Providing surface dressing 3rd coat on new or existing surface with 14 lbs butimen and 1.5 Cft: of bajri of required size including cleaning the road surface rolling etc, complete. (Rate including all cost of material T&P and carriage upto 3 chains.	100 Sft	20,396	762.08	155,434.29
	Chapter-4, Page#7, Item# 17(B)				
				TOTAL	3,757,877.66

S.No	DESCRIPTION	UNIT	QTY	RATE(RS)	AMOUNT(RS)
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C. FOOT PATH Kerb Stone only					
1	Kerb Stone	Rft	2,060	297.01	611840.60
	Providing & fixing Precast edge Block 3750 PSI Industrial Made size 6 inches x 12 inches long x 12 inches high including the cost of Cartage, excavation, form work for haunching, 1450 PSI concrete for haunching, 1:4 cement sand mortor.				
Chapter-12, Page#16, Item#14					
3	P.C.C (1:2:4) in Panels 2" Thick	100 Sft	1,372	3275.5	44,938.55
	Providing and laying 1" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels:(This item will be on Engineer's Choice and Direction if applicable)				
Chapter#8, Page#42 Item#16(c)					
				TOTAL	656,779.15

D. MEDIAN & PLANTERS Area Kerb Stones only					
1	Kerb Stone	Rft	656	297.01	194838.56
	Providing & fixing Precast edge Block 3750 PSI Industrial Made size 6 inches x 12 inches long x 12 inches high including the cost of Cartage, excavation, form work for haunching, 1450 PSI concrete for haunching, 1:4 cement sand mortor.				
Chapter-12, Page#16, Item#14					
				Total	194,838.56

G. Total (Part: A+B+C+D) Rs. 6,940,832.21

*Deduct Bitumen used as per above Quantities 14.04032 Tons @ Rs. 22,705/ per ton 318,785.47

Rs. 6,622,046.74

Add _____% Above / Below Premium Rs. _____

G.Total Rs. _____

* Quantity of Bitumen (subject to actual quantities) and rate of Deduction may varies on time of execution.

Contractor Sign / Seal