

**15 -ാം കേരള നിയമസഭ**

**8 -ാം സമ്മേളനം**

**നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 3542**

**02-03-2023 - ൽ മറുപടിയ്ക്ക്**

**ദേശീയപാത വികസനത്തിന് കാലിക്കറ്റ് സർവകലാശാല ഭൂമി ഉപയോഗിക്കുന്ന നടപടി**

ചോദ്യം		ഉത്തരം	
<b>ശ്രീ. അബ്ദുൽ ഹമീദ് പി</b>		<b>ഡോ. ആർ ബിന്ദു</b> <b>(ഉന്നതവിദ്യാഭ്യാസ-സാമൂഹ്യനീതി വകുപ്പ് മന്ത്രി)</b>	
(എ)	ദേശീയപാത വികസനവുമായി ബന്ധപ്പെട്ട പ്രവൃത്തികൾ ഏറ്റെടുത്തു നടത്തുന്ന കരാർ കമ്പനിയായ കെ.എൻ.ആർ. കൺസ്ട്രക്ഷൻ കമ്പനിയ്ക്ക് കാലിക്കറ്റ് സർവകലാശാലയുടെ ഉടമസ്ഥതയിലുള്ള ഭൂമി പാട്ടത്തിനോ വാടകയ്ക്കോ കൈമാറിയിട്ടുണ്ടെങ്കിൽ ആയതിന്റെ വിശദാംശവും അതുപ്രകാരം സർവകലാശാലയ്ക്ക് ലഭിക്കുന്ന പ്രതിഫലത്തിന്റെ വിശദാംശവും ലഭ്യമാക്കാമോ;	(എ)	സർവകലാശാലയുടെ ഒഴിഞ്ഞുകിടക്കുന്ന 9 ഏക്കർ ഭൂമി ദേശീയ പാത കരാർ കമ്പനിക്ക് ദേശീയ പാത നിർമ്മാണത്തിന് സഹായകമാകുന്ന ദൈനംദിന ആവശ്യങ്ങൾക്ക് ഉപയോഗിക്കാൻ അനുമതി നൽകിയിട്ടുണ്ട്. ഇതിനു പകരമായി പുതുതായി നിർമ്മിക്കുന്ന ദേശീയ പാതയിൽ നിന്നും സർവകലാശാലയുടെ ഭരണ വിഭാഗം കെട്ടിടത്തിലേക്കുള്ള പുതിയ റോഡ് പ്രസ്തുത കമ്പനി നിർമ്മിച്ചു നൽകുന്നതാണ്.
(ബി)	പ്രസ്തുത ഭൂമി ഉപയോഗിക്കുന്നതിന് പകരമായി പ്രസ്തുത കമ്പനി സർവകലാശാലയ്ക്ക് നല്ലാമെന്നേറ്റു പാട്ടതുകയുടെയും ഏറ്റെടുത്ത് തീർക്കാമെന്നേറ്റു പ്രവൃത്തിയുടെയും വിശദാംശം രേഖകളുടെ പകർപ്പുകൾ സഹിതം ലഭ്യമാക്കാമോ; പ്രസ്തുത കമ്പനിയുടെ ഏത് നിർദ്ദേശമാണ് സർവകലാശാല സ്വീകരിച്ചതെന്നും ആയതിനുള്ള കാരണവും വിശദമാക്കാമോ;	(ബി)	കമ്പനി നല്ലാമെന്നേറ്റു തുക ഏക്കറിന് മാസം പതിനയ്യായിരം രൂപയാണ്. എന്നാൽ ഈ തുകയ്ക്ക് പകരം പുതിയ റോഡ് നിർമ്മാണമാണ് സർവകലാശാല മുന്നോട്ടു വെച്ചത്. ഇത് കമ്പനി അംഗീകരിക്കുകയായിരുന്നു. പുതിയ റോഡിന്റെ നിർമ്മാണ ചെലവ് കമ്പനി വാഗ്ദാനം ചെയ്ത തുകയേക്കാൾ കൂടുതൽ ആയതുകൊണ്ടാണ് ഈ നിർദ്ദേശം വെച്ചത്. ബന്ധപ്പെട്ട രേഖകളുടെ പകർപ്പുകൾ അനുബന്ധം 1 ആയി ചേർക്കുന്നു.
(സി)	പ്രസ്തുത പാട്ടതുക സ്വീകരിക്കുകയാണെങ്കിൽ ദേശീയപാത നിർമ്മാണം പൂർത്തീകരിക്കുന്നതുവരെ സർവകലാശാലയ്ക്ക് എത്ര രൂപ ലഭിക്കുമായിരുന്നുവെന്നാണ് കണക്കാക്കുന്നതെന്ന് വിശദമാക്കാമോ;	(സി)	ഏക്കറിന് പതിനയ്യായിരം രൂപ പ്രകാരം 9 ഏക്കറിന് മൂന്ന് വർഷത്തേക്ക് ആകെ നാല്പത്തി എട്ടു ലക്ഷത്തി അറുപതിനായിരം രൂപയാണ് ലഭിക്കുമായിരുന്നത്.
(ഡി)	ദേശീയപാത വികസനത്തെ തുടർന്ന് സർവകലാശാല കമ്പനിയ്ക്ക് പുതിയ റോഡും പ്രവേശന കവാടവും നിർമ്മിക്കേണ്ട സാഹചര്യം ഉടലെടുത്തിട്ടുണ്ടോയെന്നും പ്രസ്തുത റോഡിന്റെ അലൈൻമെന്റ്, മെഷർമെന്റ്, ഡിസൈൻ, എസ്റ്റിമേറ്റ് ഉൾപ്പെടെയുള്ള വിശദാംശവും ലഭ്യമാക്കാമോ;	(ഡി)	ഉണ്ട്. പ്രസ്തുത റോഡിന്റെ അലൈൻമെന്റ്, അളവുകൾ, ഡിസൈൻ, എസ്റ്റിമേറ്റ് എന്നിവ വ്യക്തമാക്കുന്ന രേഖകൾ അനുബന്ധം 2 ആയി ചേർക്കുന്നു.
(ഇ)	പ്രസ്തുത റോഡ് നിർമ്മാണ ചെലവുമായി ബന്ധപ്പെട്ട്	(ഇ)	ഇല്ല. കമ്പനി ലഭ്യമാക്കിയ നിർമ്മാണ ചെലവ്

സർവകലാശാല ഏതെങ്കിലും തരത്തിലുള്ള കൺസൾട്ടൻസി, പ്രൊപ്പോസൽ, ടെണ്ടർ നടപടികൾ എന്നിവ സ്വീകരിച്ചിട്ടുണ്ടോയെന്നും പ്രസ്തുത കമ്പനി ലഭ്യമാക്കിയ നിർമ്മാണ ചെലവ് സർവകലാശാല അംഗീകരിച്ചത് എവിടെ നിന്ന് ലഭിച്ച സാങ്കേതിക ശുപാർശയുടെ അടിസ്ഥാനത്തിലാണെന്നും രേഖകളുടെ പകർപ്പുകൾ സഹിതം വിശദമാക്കാമോ?

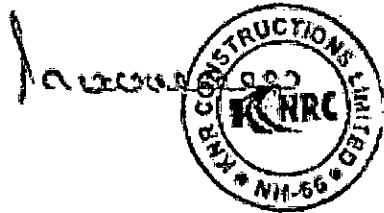
സർവകലാശാല എഞ്ചിനീയറിംഗ് വിഭാഗം പരിശോധിച്ച ശുപാർശ ചെഴ്ചിട്ടുണ്ട്.

സെക്ഷൻ ഓഫീസർ

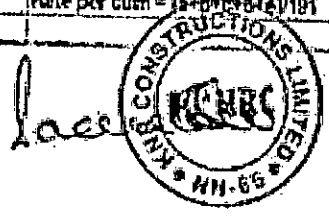
അനുബന്ധം- I

Cost Estimate of the Proposed Calicut University Road from NH to Admin Block RHS  
As per Kerala SOR

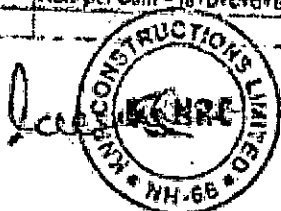
S.No	Item	Nos	Length	Width	Depth	Quantity	Rate	Amount
1	BC	2.00	430.00	9.25	0.03	239.65	14,456.0	34,43,924.40
2	DBM	2.00	430.00	9.25	0.05	397.75	12,521.0	49,80,227.75
3	Tack coat	2.00	430.00	9.25		7,955.00	17.0	1,35,235.00
4	Primo Coat	2.00	430.00	9.25		7,955.00	59.0	4,69,345.00
5	WMM	2.00	430.00	9.25	0.10	785.50	4,143.9	32,96,432.99
6	GSB	2.00	430.00	11.36	0.10	976.96	3,730.0	36,44,050.80
7	SG	2.00	430.00	12.06	0.50	5,185.80	454.0	23,54,353.20
8	Embankment	2.00	200.00	14.06	1.00	5,624.00	445.0	25,02,620.00
9	Excavation	2.00	230.00	14.06	1.50	9,701.40	111.0	10,76,855.40
10	Modsin	2.00	430.00	0.67	0.35	201.67	454.0	91,558.18
11	Kerb	2.00	430.00			860.00	477.4	4,10,564.00
12	Road Marking	2.00	430.00	0.35		301.00	382.0	1,14,882.00
13	Shoulder	2.00	430.00	1.36	0.40	467.84	454.0	2,12,399.36
14	Pipe Culvert (1.2 Dia)	2.00				2.00	7,72,433.0	15,44,866.00
Total Amount								2,42,83,453.85



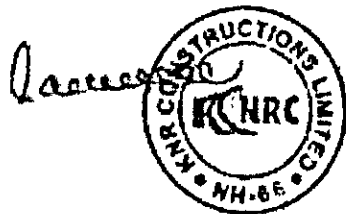
S.No	Reference to MORT&H Specification	Description	Unit	Quantity	Rate (Rs.)	Amount	Remarks/ Input ref.
				For Large Project		Large Project	
5.5	507	B Bituminous Concrete Grading 2					
		Providing and laying bituminous concrete with higher capacity batch type hot mix plant using crushed					
		Unit = cum					
		Taking offload =	191	cum	2.36	2.42	
		a) Labour					
		Mala	day	0.440	841.835	370.41	L-12
		Mazdoor	day	8.000	781.335	4,568.01	L-13
		Mazdoor skilled	day	5.000	781.335	3,896.68	L-15
		b) Machinery					
		Hot Mix Plant					
		(i) HMP 200 TPH	hour	3.005	16134.977	48,486.63	P&M-18001
		(ii) HMP 160 TPH	hour		11337.978		P&M-18002
		(iii) HMP 120 TPH	hour		8230.902		P&M-18003
		Mechanical broom (2.1m sweeping width)	hour	1.624	1155.044	1,897.03	P&M-23001
		Air compressor 250 cfm	hour	1.624	677.211	1,099.89	P&M-15001
		Paver finisher hydrostatic with sensor control compatible with the hot mix plant					
		(i) Paver (240HP)	hour	3.005	10180.154	30,592.04	P&M-29001
		(ii) Paver (240HP)	hour		10180.154		P&M-29001
		(iii) Paver (174HP)	hour		8059.804		P&M-29002
		Electric generator					
		(i) 500 KVA	hour	3.005	8844.255	26,577.58	P&M-22002
		(ii) 400 KVA	hour		7133.235		P&M-22003
		(iii) 250 KVA	hour		5028.723		P&M-22004
		Front end loader for feeding the plant					
		(i) 3.1 Cum Capacity	hour	4.993	4718.480	23,561.39	P&M-5001
		(ii) 2.1 Cum Capacity	hour		2911.427		P&M-5002
		(iii) 1 Cum Capacity	hour		1887.642		P&M-5003
		Tipper					
		For Transportation					
		(i) 18 cum capacity	Lkm	450.78 x L1	8.280	78,378.15	P&M-72002
		(ii) 14 cum capacity	Lkm		9.400		P&M-73002
		(iii) 10 cum capacity	Lkm		11.510		P&M-74002
		Tipper for loading & unloading from					
		(i) 18 cum capacity	hour	6.010	3178.833	19,106.24	P&M-6001
		(ii) 14 cum capacity	hour		2618.817		P&M-6002
		(iii) 10 cum capacity	hour		2507.416		P&M-6003
		Smooth steel wheeled tandem roller for stone and vibratory passes	hour	15.902	2277.048	38,489.03	P&M-6001
		Pneumatic Tyre roller	hour	2.404	2824.505	6,790.50	P&M-10001
		c) Material					
		(i) Bitumen @ 5.4 per cent. of mix	tonne	24.341	61343.080	14,93,173.35	M-074
		(ii) Aggregate					
		Total weight of mix =	450.78	tonnes			
		Weight of bitumen =	24.34	tonnes			
		Weight of aggregate =	425.42	tonnes			
		Taking density of aggregate = 1.5 ton/cum					
		Grading - II-13 mm (Nominal Size)					
		13.2 - 10 mm 30 per cent	cum	99.498	1728.740	1,72,005.75	M-043
		10 - 5 mm 25 per cent	cum	65.384	1778.740	1,16,301.66	M-039
		5 mm and below 43 per cent	cum	113.712	1778.740	2,02,263.59	M-029
		Filler @ 2 per cent. of weight of aggregates	cum	8.528	6538.243	58,613.60	M-081
		* Any one of the alternative may be adopted as per approved design					
		* Grading - I-19 mm (Nominal Size)					
		d) Overhead charges		@ 8% on (a+b+c)		1,85,926.19	
		e) Contractor's profit		@ 10% on (a+b+c+d)		2,51,000.36	
		Cost for 191 cum = a+b+c+d+e				27,51,003.99	
		Rate per cum = (a+b+c+d+e)/191				14,455.52	
		Say,				14,455.00	



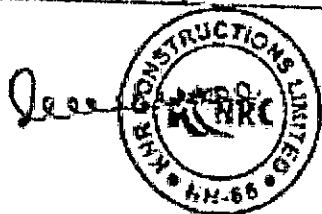
S.No	Reference to MORT&H Specification	Description	Unit	Quantity	Rate (Rs.)	Amount	Remarks/ Input ref.
				For Large Project		Large Project	
5.4	505	B Dense Graded Bituminous Macadam Grading 2					
		Providing and laying dense graded bituminous macadam with higher capacity batch type HMP using					
		Unit = cum					
		Taking output =	195	cum	2.31	2.43	
		a) Labour					
		Mate	day	0.440	841.835	370.41	L-12
		Mazdoor	day	6.000	781.335	4,568.01	L-13
		Mazdoor skilled	day	5.000	761.335	3,806.68	L-15
		b) Machinery					
		Hot Mix Plant					
		(i) HMP 200 TPH	hour	3.003	16134.977	48,453.34	P&M-18001
		(ii) HMP 160 TPH	hour		11397.976		P&M-18002
		(iii) HMP 120 TPH	hour		8230.002		P&M-18003
		Mechanical broom (2.1m sweeping width)	hour	0.663	1188.044	774.72	P&M-23001
		Air compressor 250 cfm	hour	0.663	677.211	449.17	P&M-15001
		Paver finisher hydrostatic with sensor control compatible with the hot mix plant					
		(i) Paver (210HP)	hour	3.003	10180.154	30,571.00	P&M-29001
		(ii) Paver (240HP)	hour		10180.154		P&M-29001
		(iii) Paver (174HP)	hour		8089.804		P&M-29002
		Electric generator					
		(i) 500 KVA	hour	3.003	8844.255	26,559.30	P&M-22002
		(ii) 400 KVA	hour		7133.285		P&M-22003
		(iii) 250 KVA	hour		5028.723		P&M-22004
		Front end loader for feeding the plant					
		(i) 3.1 Cum Capacity	hour	5.112	4716.680	24,116.73	P&M-5001
		(ii) 2.1 Cum Capacity	hour		2811.427		P&M-5002
		(iii) 1 Cum Capacity	hour		1897.642		P&M-5003
		Tipper					
		For Transportation					
		(i) 18 cum capacity	Utm	450.45 x L1	6.280	78,324.25	P&M-77002
		(ii) 14 cum capacity	Utm		9.400		P&M-73002
		(iii) 10 cum capacity	Utm		11.610		P&M-74002
		Tipper for loading & unloading time					
		(i) 18 cum capacity	hour	6.006	3176.838	19,092.10	P&M-6001
		(ii) 14 cum capacity	hour		2816.817		P&M-6002
		(iii) 10 cum capacity	hour		2507.416		P&M-6003
		Smooth steel wheeled tandem roller for static and vibratory passes	hour	8.663	2277.048	22,003.53	P&M-8001
		c) Material					
	4.8	(i) Bitumen @ 4.5 per cent of mix	tonne	20.270	61343.860	12,43,455.38	M-074
		(ii) Aggregate					
		Total weight of mix =	450.45	tonnes			
		Weight of bitumen =	20.27	tonnes			
		Weight of aggregate =	430.18	tonnes			
		Taking density of aggregate = 1.5 ton/cum					
		Grading - 119 mm (Nominal Size)					
	35	25 - 10 mm 30 per cent	cum	86.036	1728.740	1,48,733.79	M-045
	20	10 - 5 mm 28 per cent	cum	80.300	1776.740	1,42,833.21	M-039
	45	5 mm and below 40 per cent	cum	114.716	1776.740	2,04,047.45	M-028
		Filler @ 2 per cent of weight of aggregates	cum	8.604	6538.248	57,112.80	M-081
		* Any one of the alternative may be adopted as per approved design					
		Grading - 119 mm (Nominal Size)					
		d) Overhead charges		@ 6% on (a+b+c)		1,54,421.91	
		e) Contractor's profit		@ 10% on (a+b+c+d)		2,21,969.56	
		Cost for 195 cum = a+b+c+d+e				24,41,885.35	
		Rate per cum = (a+b+c+d+e)/195				12,521.36	
						6 by	12,521.07



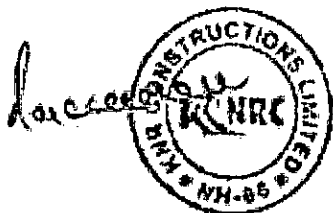
r.No	Reference to MORT&M Specification	Description	Unit	Quantity	Rate (Rs.)	Amount		Remarks/ Input ref.
				For Large Project		Large Project		
5.1	502	A	Prime Coat over WMM/WBM					
		(B)	Providing and applying primer coat with SS1 grade bitumen emulsion on prepared surface of granular					
			Unit = sqm					
			Taking output = 7000	sqm				
		a)	Labour					
			Mate	day	0.080	841.835	67.35	L-12
			Mazdoor	day	2.000	761.335	1,522.67	L-13
		b)	Machinery					
			Mechanical broom (2.1m sweeping width)	hour	2.083	1168.044	2,433.42	P&M-23001
			Air compressor 250 cfm	hour	2.083	677.211	1,410.86	P&M-15001
			Bitumen pressure distributor (Spraying width 4.5 m)	hour	1.944	1906.608	3,707.29	P&M-24001
			Water tanker ( speed @ 20km/hr and return speed @ 30 km/hr and spreading speed @ 2.5 km/hr )					
			(i) 15 KL capacity	hour	2.144	1665.980	3,573.59	P&M-11001
			(ii) 12 KL capacity	hour		1470.184		P&M-11002
			(iii) 6 KL capacity	hour		9119.423		P&M-11003
		c)	Material					
			SS1 grade Bitumen emulsion @ 0.85 kg per sqm	tonne	5.950	56071.860	3,33,627.57	M-077
			Cost of water	KL	10.500	200.00	2,100.00	M-191
		d)	Overhead charges					
					@ 8% on (a+b+c)		27,875.42	
		e)	Contractor's profit					
					@ 10% on (a+b+c+d)		37,631.82	
			Cost for 7000 Sqm = a+b+c+d+e				4,13,949.98	
			Rate per Sqm = (a+b+c+d+e)/7000				58.14	
							59.00	
		Note	Bitumen primer has been provided @ 0.85 kg per sqm as per clause 502.B. Payment shall be made with adjustment, plus or minus, for the variation between this quantity and the actual quantity approved by the Engineer				Say,	
5.2	503	(i)	Tack Coat on Bituminous surfaces					
			Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of					
			Unit = sqm					
			Taking output = 7000	sqm				
		a)	Labour					
			Mate	day	0.050	841.835	67.35	L-12
			Mazdoor	day	2.000	761.335	1,522.67	L-13
		b)	Machinery					
			Mechanical broom (2.1m sweeping width)	hour	2.083	1168.044	2,433.42	P&M-23001
			Air compressor 250 cfm	hour	2.083	677.211	1,410.86	P&M-15001
			Bitumen pressure distributor (Spraying width 4.5 m)	hour	1.944	1906.608	3,707.29	P&M-24001
		c)	Material					
			Bitumen emulsion @ 0.25 kg per sqm	tonne	1.750	52246.860	91,432.01	M-077
		d)	Overhead charges					
					@ 8% on (a+b+c)		8,045.89	
		e)	Contractor's profit					
					@ 10% on (a+b+c+d)		10,861.95	
			Cost for 7000 Sqm = a+b+c+d+e				1,18,481.43	
			Rate per Sqm = (a+b+c+d+e)/7000				17.07	
							Say,	17.00



Sr No	Reference to JKR/ST&H Specification	Description	Unit	Quantity			Rate (Rs.)	Large Project
				For Large Project	For Medium Project	For Small Project		
4.5	403	Cement Treated Crushed Stone Sub-base Plant Mix Method						
		Construction of granular sub-base by providing graded Material, mixing with cement in a mechanical mix plant at CMCO, carriage of mixed Material to work site, spreading in uniform layers with Mechanical Paver on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401						
		Laying Using Mechanical Paver Unit = cum						
		Taking output = 250 cum						
		a) Labour						
		Male	day	0.160	0.160	0.160	641.836	114.694
		Male unskilled	day	1.000	1.000	1.000	761.335	761.335
		Male	day	3.000	3.000	3.000	761.335	2284.005
		b) Machinery						
		Wet mix plant						
		(A) 250 tonne per hour	hour	2.800			1010.396	2845.905
		(B) 200 tonne per hour	hour		2.600		674.895	
		(C) 100 tonne per hour	hour			7.000	665.522	
		Electric generator						
		(A) 125 KVA	hour	2.800			2835.812	7980.554
		(B) 100 KVA	hour		2.800		2250.423	
		(C) 57.5 KVA	hour			7.000	1447.031	
		Front end loader for loading to Tipper						
		(A) 3.1 Cum Capacity	hour	5.830			4718.480	28027.644
		(B) 2.1 Cum Capacity	hour		6.779		2911.477	
		(C) 1 Cum Capacity	hour			18.357	1567.842	
		Tipper						
		Per Transportation						
		(A) 18 cum capacity	km	525 x L1			8.260	91987.000
		(B) 14 cum capacity	km		525 x L1		8.460	
		(C) 10 cum capacity	km			525 x L1	11.640	
		For loading & unloading time						
		(A) 18 cum capacity	hour	5.600			3178.838	17801.494
		(B) 14 cum capacity	hour		5.640		2918.617	
		(C) 10 cum capacity	hour			8.800	2507.418	
		Mechanical Paver (Mixer)	hour	2.800	2.800	3.500	2551.230	7863.445
		Vibratory roller	hour	2.240	2.240	2.800	2924.805	8327.135
		Water tanker (speed @ 20 km/hr and return speed @ 30 km/hr and spreading speed @ 2.5 km/hr)						
		(A) 16 KL capacity	hour	7.760			1655.980	12945.142
		(B) 12 KL capacity	hour		10.354		1470.184	
		(C) 8 KL capacity	hour			20.705	1119.473	
		c) Material						
		Cement @ 6%	tonne	13.125	13.125	13.125	6635.218	87127.005
		Cost of water including water for curing	KL	99.750	99.750	99.750	290.030	19950.005
		(A) For Grading-II Material						
		28.5 mm to 9.5 mm @ 68 per cent	cum	228.845	228.845	228.845	1728.740	395615.500
		9.5 mm to 4.75 mm @ 12 %	cum	49.385	49.385	49.385	1778.749	71833.731
		4.75 mm below @ 20 per cent	cum	67.308	67.308	67.308	1778.749	113722.885
		OR						
		(B) For Grading-IV Material						
		28.5 mm to 9.5 mm @ 64 per cent	cum	215.385	215.385	215.385	1728.749	372344.000
		9.5 mm to 4.75 mm @ 11 %	cum	37.019	37.019	37.019	1778.749	65917.587
		4.75 mm below @ 23 per cent	cum	64.135	64.135	64.135	1778.749	113953.808
		(C) Rate per cum for Grading-II Material						
		e) Overhead charges @ 6% on (a+b+c)						
		f) Contractor's profit @ 10% on (a+b+c+d)						
		Cost for 250 cum = a+b+c+d+e					69781.796	
		Rate per cum = (a+b+c+d+e)/250					94178.425	
							1395862.875	
							4141.851	
							Say, 4143.85	



ir No	Reference to MORT&H Specification	Description	Unit	Quantity	Rate (Rs.)	Amount	Remarks/ Input ref.	
				For Large Project		Large Project		
6.14	406	A	Wet Mix Macadam (Plant Mix Method)					
			Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification					
			Laying Using Mechanical Paver					
			Unit = cum					
			Taking output = 225					
		a)	Labour	cum	2.2			
			Mabn	day	0.160	841.635	134.664 L-12	
			Mazdoor skilled	day	1.000	761.335	761.335 L-15	
			Mazdoor	day	3.000	761.335	2284.006 L-19	
		b)	Machinery					
			Wet mix plant					
			(i) 250 tonne per hour	hour	2.040	1016.395	2083.282 P&M-17001	
			(ii) 200 tonne per hour	hour		874.895	P&M-17002	
			(iii) 100 tonne per hour	hour		845.955	P&M-17003	
			Electric generator					
			(i) 125 KVA	hour	2.640	2635.812	6958.808 P&M-22005	
			(ii) 100 KVA	hour		2250.423	P&M-22006	
			(iii) 82.5 KVA	hour		1447.031	P&M-22007	
			Front end loader for loading to Tipper					
			(i) 3.1 Cum Capacity	hour	2.640	4718.480	12456.786 P&M-5001	
			(ii) 2.1 Cum Capacity	hour		2011.427	P&M-5002	
			(iii) 1 Cum Capacity	hour		1967.842	P&M-5003	
			Tipper					
			For Transportation					
			(i) 18 cum capacity	1 km	496 x L2	8.280	88070.600 P&M-72002	
			(ii) 14 cum capacity	1 km		9.600	P&M-73002	
			(iii) 10 cum capacity	1 km		11.610	P&M-74002	
			For loading & unloading time	hour				
			(i) 18 cum capacity	hour	5.280	3178.838	16724.268 P&M-6001	
			(ii) 14 cum capacity	hour		2818.817	P&M-6002	
			(iii) 10 cum capacity	hour		2507.416	P&M-6003	
			Mechanical Paver finisher	hour	2.640	2851.220	7527.248 P&M-28001	
			Vibratory roller	hour	2.112	2824.805	5965.568 P&M-7001	
		c)	Material					
			Close graded Granular sub-base Material as per table 400-1					
			For Grading-I Material					
			45 mm to 22.4 mm @ 30 per cum	cum	85.192	1708.740	142656.804 M-033	
			22.4 mm to 2.36 mm @ 40 per cent	cum	128.923	1741.240	221033.538 M-030	
			2.36 mm to 75 micron @ 30 per cent	cum	85.192	1778.740	189322.365 M-029	
			Cost of water	KL	58.400	200.000	11680.000 M-191	
			Rate per cum					
		d)	Overhead charges		@ 5% on (a+b+c)		56519.312	
		e)	Contractor's profit		@ 10% on (a+b+c+d)		78301.071	
			Cost for 225 cum = a+b+c+d+e				839311.781	
			Rate per cum = (a+b+c+d+e)/225				3730.275	
					Say,		3730.00	

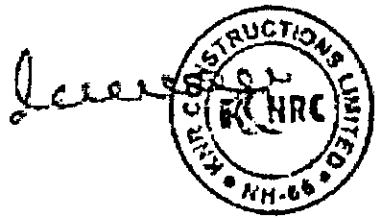




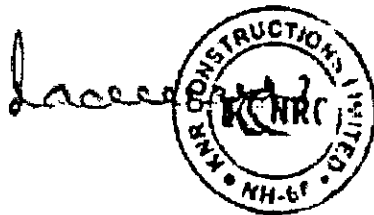
Sr No	Reference to MORT&H Specification	Description	Unit	Quantity	Rate (Rs.)	Amount	Remarks/ Input ref.
				For Large Project		Large Project	
1.18	305	Construction of Subgrade and Earthen Shoulders					
		Construction of sub-grade and earthen shoulders with approved material obtained from borrow pits with					
		Unit = cum					
		Taking output =	450	cum			
		b) Labour					
		Mate	day	0.080	841.835	67.347	L-12
		Mazdoor	day	2.000	761.335	1522.670	L-13
		b) Machinery					
		Hydraulic Excavator					
		(I) 1.2 cum bucket capacity	hour	5.049	3812.059	19241.822	P&M-3003
		(E) 1.1 cum bucket capacity	hour		3432.358		P&M-3004
		(R) 0.9 cum bucket capacity	hour		3112.854		P&M-3005
		Tipper					
		For Transportation					
		(I) 18 cum capacity	litre	450x1.75 x L2	8.250	18561.500	P&M-72002
		(E) 14 cum capacity	litre		9.400		P&M-72002
		(R) 10 cum capacity	litre		11.610		P&M-74002
		For Loading & unloading time					
		(I) 18 cum capacity	hour	5.048	3178.838	16045.565	P&M-6001
		(E) 14 cum capacity	hour		2818.817		P&M-6002
		(R) 10 cum capacity	hour		2607.416		P&M-6003
		Motor grader for grading					
		(I) Motor grader 4.30 metre blade	hour	2.177	6638.091	14489.291	P&M-2001
		(E) Motor grader 3.70 metre blade	hour		6273.170		P&M-2002
		(R) Motor grader 3.35 metre blade	hour		5495.246		P&M-2003
		Water tanker ( speed @ 20 km/hr and return speed @ 30 km/hr and spreading speed @ 2.5 km/hr )					
		(I) 16 KL capacity	hour	6.687	1688.090	11147.408	P&M-11001
		(E) 12 KL capacity	hour		1470.184		P&M-11002
		(R) 6 KL capacity	hour		1119.423		P&M-11003
		Vibratory roller 12 tonne	hour	2.184	2824.605	6170.254	P&M-7001
		c) Material					
		Cost of water (considering 5% additional moisture required)	KL	39.375	200.000	7875.000	IA-1B1
		Compensation for earth taken from private land	cum	450.000	167.500	75375.000	IA-093
		d) Overhead charges			@ 5% on (a+b+c)	13754.877	
		e) Contractor's profit			@ 10% on (a+b+c+d)	18564.763	
		Cost for 450 cum = a+b+c+d+e				204212.397	
		Rate per cum = (a+b+c+d+e)/450				453.805	
					Say,	454.00	



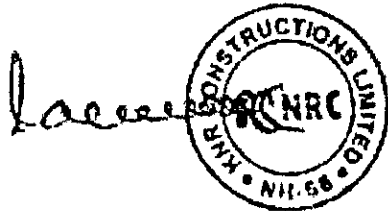
Sr No	Reference to MORT&H Specification	Description	Unit	Quantity	Rate (Rs.)	Amount		Remarks/ Input ref.
				For Large Project		Large Project		
3.16	305	Construction of Embankment with Material obtained from Borrowpits :						
		Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2.						
		Unit = cum						
		Taking output = 450		cum				
		a) Labour						
		Mate	day	0.080	841.835	67.347		L-12
		Mazdoor	day	2.000	751.335	1522.670		L-13
		b) Machinery						
		Hydraulic Excavator						
		(I) 1.2 cum bucket capacity	hour	5.048	3812.059	19241.822		P&M-3003
		(B) 1.1 cum bucket capacity	hour		3432.358			P&M-3004
		(E) 0.9 cum bucket capacity	hour		3112.854			P&M-3005
		Tipper						
		For Transportation						
		(I) 18 cum capacity	L/m	450x1.6 x L2	8.280	17884.800		P&M-72002
		(E) 14 cum capacity	L/m		9.400			P&M-73002
		(W) 10 cum capacity	L/m		11.510			P&M-74002
		For Loading & unloading time						
		(I) 18 cum capacity	hour	5.048	3178.838	16045.565		P&M-6001
		(E) 14 cum capacity	hour		2818.817			P&M-6002
		(W) 10 cum capacity	hour		2507.416			P&M-6003
		Motor grader for grading						
		(I) Motor grader 4.30 metre blade	hour	2.177	6838.091	14889.391		P&M-2001
		(S) Motor grader 3.70 metre blade	hour		6273.170			P&M-2002
		(W) Motor grader 3.35 metre blade	hour		5495.246			P&M-2003
		Water tanker ( speed @ 20km/hr and return speed @ 30 km/hr and spreading speed @ 2.5 km/hr )						
		(I) 16 KL capacity	hour	8.114	1666.880	10191.918		P&M-11001
		(E) 12 KL capacity	hour		1470.184			P&M-11002
		(W) 8 KL capacity	hour		1119.423			P&M-11003
		Vibratory roller	hour	2.184	2624.605	5770.254		P&M-7001
		c) Material						
		Cost of water (considering 5% additional moisture required)	KL	36.000	200.000	7200.000		14-191
		Compensation for earth taken from private land	cum	450.000	167.500	75375.000		14-030
		d) Overhead charges				13487.101		
		e) Contractor's profit				18207.587		
		Cost for 450 cum = a+b+c+d+e				200723.452		
		Rate per cum = (a+b+c+d+e)/450				445.074		
						445.00		
						Say,		

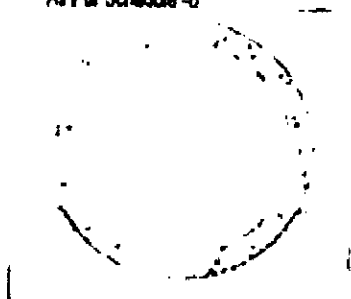


Sr No	Reference to MORT&H Specification	Description	Unit	Quantity	Rate (Rs.)	Amount	Remarks/ Input ref.
				For Large Project		Large Project	
3.6	301	Excavation in Soil using Hydraulic Excavator and Tipper with Disposal upto 1000 metre. Excavation for roadwork in soil with hydraulic excavator including cutting and loading in tipper, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within 25 lifts and lead upto 1000m					
		Unit = cum					
		Taking output = 350					
		a) Labour					
		Mate	day	0.040	841.835	33.673	L-12
		Mazdoor	day	1.000	761.335	761.335	L-13
		b) Machinery					
		Hydraulic Excavator					
		(i) 1.2 cum bucket capacity	hour	3.926	3812.058	14965.862	P&M-3003
		(ii) 1.1 cum bucket capacity	hour		3432.358		P&M-3004
		(iii) 0.9 cum bucket capacity	hour		3112.854		P&M-3005
		Tipper					
		For transportation considering lead @ 1 km					
		(i) 18 cum capacity	1 km	525.000	8.280	4347.000	P&M-72002
		(ii) 14 cum capacity	1 km		9.400		P&M-73002
		(iii) 10 cum capacity	1 km		11.610		P&M-74002
		For loading & unloading time					
		(i) 18 cum capacity	hour	3.926	3178.838	12479.884	P&M-6001
		(ii) 14 cum capacity	hour		2818.817		P&M-6002
		(iii) 10 cum capacity	hour		2507.416		P&M-6003
		c) Overhead charges		@ 8% on (a+b)		2607.020	
		d) Contractor's profit		@ 10% on (a+b+c)		3519.477	
		Cost for 350 cum = a+b+c+d				38714.252	
		Rate per cum = (a+b+c+d)/350				110.612	
						Say, 111.00	

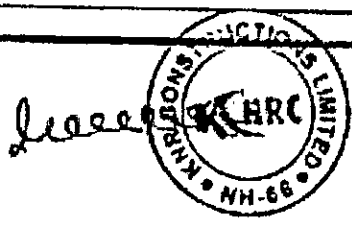


Sl. No.	Reference to MORTEN Specification	Description	Unit	Quantity	Rate (Rs.)	Amount	Remarks/Input ref.
				For Large Project		Large Project	
2.1	409	Cast In Situ Cement Concrete M20 Kerb 250mm x 115mm x 165mm					
		Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm					
		Unit = Running metre					
		Taking output =	360	metre			
	(i)	POC M20 for Kerb Cast In Situ					
		Total Concrete =	12.000	Cum.			
	a)	Labour					
		Mate					
		Mason	day	0.060	841.83	50.51	L-12
		Mazdoor	day	0.500	1006.93	503.46	L-11
		Machinery	day	1.000	751.34	751.34	L-13
	b)	Machinery					
		Kerb casting machine @ 120 metres/hour	hour	3.000	2157.81	6473.44	P&M-37001
		Transit truck agitator					
		For Transportation Transit truck agitator 6 cum capacity	1/km.	28.900 x L	14.79	9000.90	P&M-76001
		For loading & Unloading time	hour	3.140	2861.33	8356.73	P&M-34301
		Concrete cutting machine	hour	6.000	247.73	1486.39	P&M-61007
		Water tanker ( speed @ 20km/hr and return speed @ 30 km/hr and Curing speed @ 2 km/hr )					
		(i) 18 KL capacity	hour	0.183	1688.980	305.692	P&M-11001
		(ii) 12 KL capacity	hour		1470.184		P&M-11002
		(iii) 6 KL capacity	hour		1118.423		P&M-11003
	c)	Material					
		Concrete from sub-analysis of concrete Rate	cum	12.600	4727.68	59563.82	Sub-Analysis of Concrete - BU 2
		Cost of water	KL	6.066	200.00	1217.16	M-191
	d)	Overhead charges				7017.96	
				@ 8% on (a+b+c)			
	e)	Contractor's profit				9474.24	
				@ 10% on (a+b+c+d)			
		Cost for 360 metre = a+b+c+d+e				104216.63	
		Rate per metre = (a+b+c+d+e)/360				434.24	
				say		477.40	

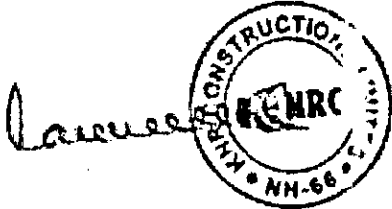


Chainage	As Per Schedule - A			As Per Schedule - B					Remarks
	Existing Type	Span	Ex. Width	Pro. Type	Span	Width Width	Construction	Height	
Sch-B 208 470			0.01	Pipe	1.0X1.2	25.00	1.00	7.00	
As Per Schedule - B				Piles					
1.0X1.2									

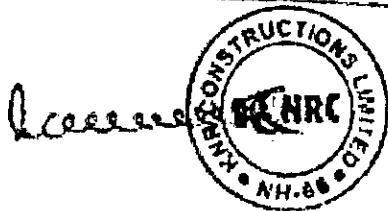
Detail	Rates	As per GA					Amount
		Nos	Length	Width	Depth	Quantity	
Dismantling of Pipe		0.0	0.00			0.000	
Dismantling of PCC/RCC		2.0	0.00	2.00	0.50	0.000	
Dismantling of Stone		4.0	0.00	0.00	0.30	0.000	
Excavation	145						
Excavation for Pipe		1.00	25.00	1.84	0.57	28.220	8.727
Head Walls		2.00	7.37	1.37	1.22	24.636	
300mm thick stone Apron D/S		1.00	7.22	3.00	0.30	6.498	
300mm thick stone Apron U/S		1.00	7.22	1.50	0.30	3.249	
Back Filling	454						
Depth for pipe		2.00	25.00	1.74	1.35	117.450	16.35
Total Back Filling		2.00	25.00	1.63		81.430	
PCC M15	8,117						
Home Pipe levelling course		1.00	25.00	1.84	0.45	20.700	1.3025
Less for Home Pipe section		- 1/4	25.000	1/4	(1.2)2	- 7.063	
Head wall levelling course		2.00	7.37	1.37	0.15	3.029	
Encasing of Pipe (bed Levelling)		0.00	25.00	1.84	1.58	0.000	
Deduction of Pipe Area (Encasing)		0.00	25.00	2.07	1/4	0.000	
PCC(M20)	8,850						
Head Wall		2.00	7.22	0.81	2.89	31.462	2,625.3
Less for Home Pipe section		- 2.00	0.810	1/4	(1.2)2	- 1.832	
Top Slab (Encasing)		0.00	25.00	1.84	0.20	0.000	
NP-4 180mm Pipe							
900 Dia						27.750	
1000 Dia						0.000	
1200 Dia						0.000	
1500 Dia	6,708		27.75			27.750	2,418.4
1800 Dia						0.000	
Stone boulder apron	3,260						
D/S		1.00	7.22	3.00	0.30	8.508	27.72
Less for embankment pitching		- 1/2	1/4	(2.88)2	0.300	6.438	
U/S		1.00	7.22	1.50	0.30	4.977	
Less for embankment pitching		- 1/2	1/4	(1.5)2	0.300	3.249	
Filter material (150 mm thick)	3,500						
D/S		1/2	1/4	(4.073)2	0.150	1.242	4.845
U/S		1/2	1/4	(2.121)2	0.150	0.977	
Stone boulder pitching	3,260						
D/S		1/2	1/4	(4.073)2	0.300	2.484	1.0
U/S		1/2	1/4	(2.121)2	0.300	1.954	
Steel	1,13,281						
for Encasing		20 Kgs	25.00			0.593	67.2
For Chamber		40 Kgs				0.500	
Marker Post					2.34	0.093	
		2.00				2.000	
Total Amount							7,72,433



9.01	304	Excavation for Structures			
		Earth work in excavation of foundation of structures as per drawing and technical specification, including			
		Ordinary soil			
B	(f)	Mechanical Means (Depth upto 3 m)			
		Unit = cum			
		Taking output =		330 cum	
		a) Labour			
		Mise		day	
		Mazdoor		day	
		b) Machinery			
		Hydraulic Excavator			
		For excavation			
		(i) 1.2 cum bucket capacity		hour	
		(ii) 1.1 cum bucket capacity		hour	
		(iii) 0.9 cum bucket capacity		hour	
		For back-filling (considering 60% of the excavated material)			
		(i) 1.2 cum bucket capacity		hour	
		(ii) 1.1 cum bucket capacity		hour	
		(iii) 0.9 cum bucket capacity		hour	
		Tipper for transportation of excess material to dumping yard considering lead @ 1 km			
		(i) 18 cum capacity		1-km	
		(ii) 14 cum capacity		1-km	
		(iii) 10 cum capacity		1-km	
		c) Overhead charges			
		@ 20% on (a+b)		7244.17	
		@ 10% on (a+b+c)		4346.50	
		d) Contractor's profit			
		Cost for 330 cum = a+b+c+d			
		Rate per cum = (a+b+c+d)/330			
		137		145.00	



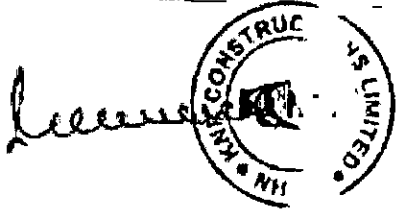
9.14	1500, 1700 & 2100	Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications.				
	A	PCC Grade M15				
	Case I	PCC Grade M15 using batching plant & Concrete pump				
		Unit = cum				
		Taking output =	30 cum			
	a)	Material				
		Per Cum Basic Cost (Rate as in sub-analysis)	cum	30.000	4255.12	127653.74
		Water for curing	Kl	15.750	200.00	3150.00
	b)	Labour				
		For pouring and placing				
		Mate	day	0.16	841.83	130.95
		Mason	day	1.50	1006.83	1510.99
		Mazdoor	day	2.39	781.34	1818.75
	c)	Machinery				
		Transit truck agitator				
		For transportation (5 cum Capacity)	tonne-km	75 x L1	14.79	23294.25
		For unloading	hour	0.69	2681.38	1848.18
		Hydraulic Boom placer pump	hour	0.69	4852.78	3369.88
		Water tanker ( speed @ 20km/hr and return speed @ 30 km/hr and 30 mins for unloading )				
		(i) 16 Kl capacity	hour	2.95	1866.98	4522.80
		(ii) 12 Kl capacity	hour			P&M-11001
		(iii) 6 Kl capacity	hour			P&M-11002
		Per Cum Basic Cost of Labour, Material & Machinery (a+b+c)		5590.00		P&M-11003
	d)	Formwork @ 10 per cent. on cost of concrete i.e. cost of material, labour and machinery				16768.90
	e)	Overhead charges				36293.79
	f)	Contractor's profit				22138.27
		Cost for 30 cum = a+b+c+d+e+f				243490.00
		Rate per cum = (a+b+c+d+e+f)/30				8116.53
						8117.00



C RCC Grade M20

Case I RCC Grade M20 using batching plant transit mixer & Concrete pump

Unit = cum		Taking output = 30 cum				
a)	Material					
	Per Cum Basic Cost (Rate as in sub-analysis)	cum	30.00	4766.96	143008.75	Sub-Analysis of Concrete M-191
	Water for curing	kl	15.75	200.00	3150.00	
b)	Labour					
	For pouring and placing					
	Labr	day	0.16	841.83	130.95	L-12
	Mason	day	1.50	1006.93	1510.39	L-11
	Mazdoor	day	2.29	751.34	1818.75	L-13
c)	Machinery					
	Transit truck agitator					
	For transportation (6 cum Capacity)	tonne-km	75 x L1	14.79	73794.25	P&M-76001
	For unloading	hour	0.69	2661.38	1842.18	P&M-34001
	Hydraulic Boom placer pump	hour	0.69	4852.76	3359.98	P&M-36001
	Water tanker ( speed @ 20km/hr and return speed @ 30 km/hr and 30 mins for unloading )					
	(i) 16 KL capacity	hour	2.96	1666.98	4922.80	P&M-11001
	(ii) 12 KL capacity	hour		1470.18		
	(iii) 6 KL capacity	hour		1118.42		P&M-11002
	Per Cum Basic Cost of Labour, Material & Machinery (a+b+c)		6102.00			P&M-11003
d)	Formwork @ 10 per cent on cost of concrete i.e. cost of material, labour and machinery				18305.40	
e)	Overhead charges		@ 20% on (a+b+c+d)		40271.89	
f)	Contractor's profit		@ 10% on (a+b+c+d+e)		24163.13	
	Cost for 30 cum = a+b+c+d+e+f				285794.47	
	Rate per cum = (a+b+c+d+e+f)/30				8859.82	
				82%	8850.00	



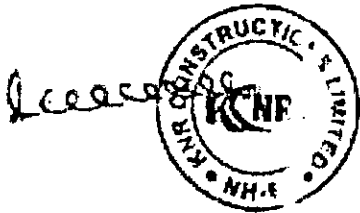


9.12	2900	Laying Reinforced Cement Concrete Pipe NP4 / Prestressed Concrete Pipe on First Class Bedding in			
		Laying Reinforced cement concrete pipe NP4/prestressed concrete pipe for culverts on first class bedding			
		Unit = metre			
9.12	B	1200 mm dia			
	a)	Labour			
		Mata	day	0.160	841.63
		Mason	day	1.000	1006.83
		Mazdoor	day	3.000	761.34
	b)	Material			
		Sand at site	cum	0.090	1378.74
		Cement at site	tonne	0.070	6638.25
		RCC pipe NP-4/prestressed concrete pipe including collar at site	metre	12.500	5400.00
		Granular material passing 5-6 mm sieve for class bedding	cum	5.000	1552.38
	c)	Machinery			
		Light Crane 3 tonnes capacity for handling Hume pipe	hour	2.08	1194.07
	d)	Overhead charges			
				@ 20% on (a+b+c)	16499.00
	e)	Contractor's profit			
				@ 10% on (a+b+c+d)	8695.62
		Cost for 12.5 metres = a+b+c+d			
		Rate per metre = (a+b+c+d)/12.5			10884.02
					6708.32
					SRV
					6708.00
Note		1. In case of cement cradle bedding, quantity of PCC M15 is to be calculated as per design and priced separately			
		2. This rate analysis does not include excavation, cement/masonry works in head walls, backfilling, protection works and parapet walls. The same are to be calculated as per approved design and drawings and priced			

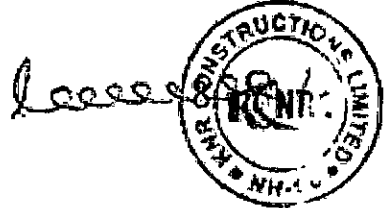


13.4	2504	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in				
	A	Stone/Boulder				
		Unit = cum				
		Taking output = 1 cum				
		a) Material				
		Stone weighing not less than 40kg	cum	1.00	1478.74	1478.74
		Stone spalls of minimum 25 mm size	cum	0.20	167.50	33.50
		b) Labour				
		Mate	day	0.04	841.83	33.67
		Mason	day	0.35	1006.83	352.42
		Mazdoor	day	0.75	761.34	571.00
		c) Overhead charges				
				@ 20% on (a+b)		483.67
		d) Contractor's profit				
				@ 10% on (a+b+c)		296.32
		Rate per cum = (a+b+c+d)				3259.53
				say		3259.53

13.5	2504	Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical				
		Unit = cum				
		Taking output = 1 cum				
		a) Material				
		Graded stone aggregate of required size	cum	1.20	1634.30	1981.15
		b) Labour				
		Mate	day	0.05	841.83	42.09
		Mazdoor (Skilled)	day	0.25	761.34	190.33
		Mazdoor	day	1.00	761.34	761.34
		c) Overhead charges				
				@ 20% on (a+b)		500.98
		d) Contractor's profit				
				@ 10% on (a+b+c)		354.59
		Rate per cum = (a+b+c+d)				3900.49
				say		3900.00

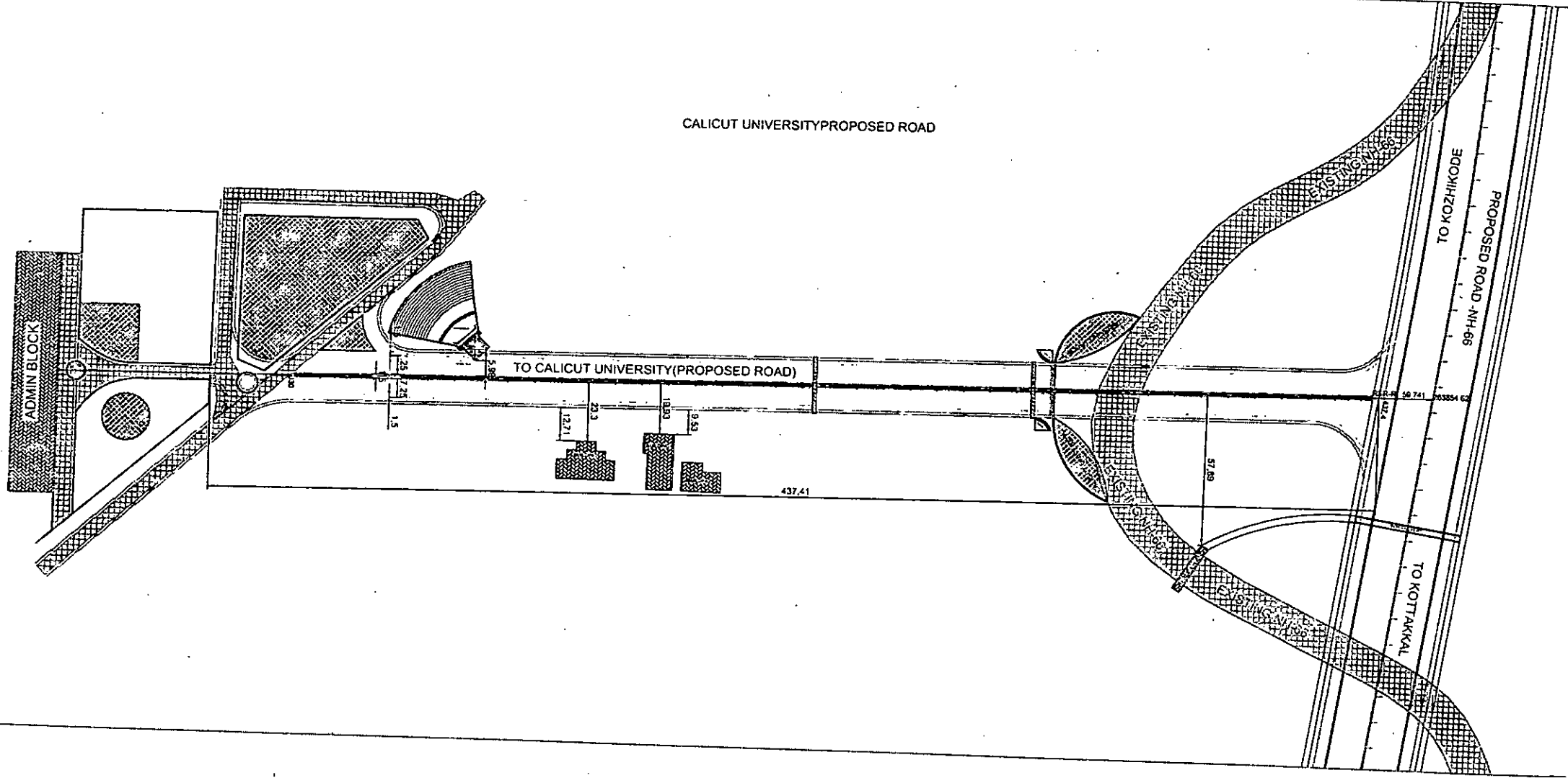


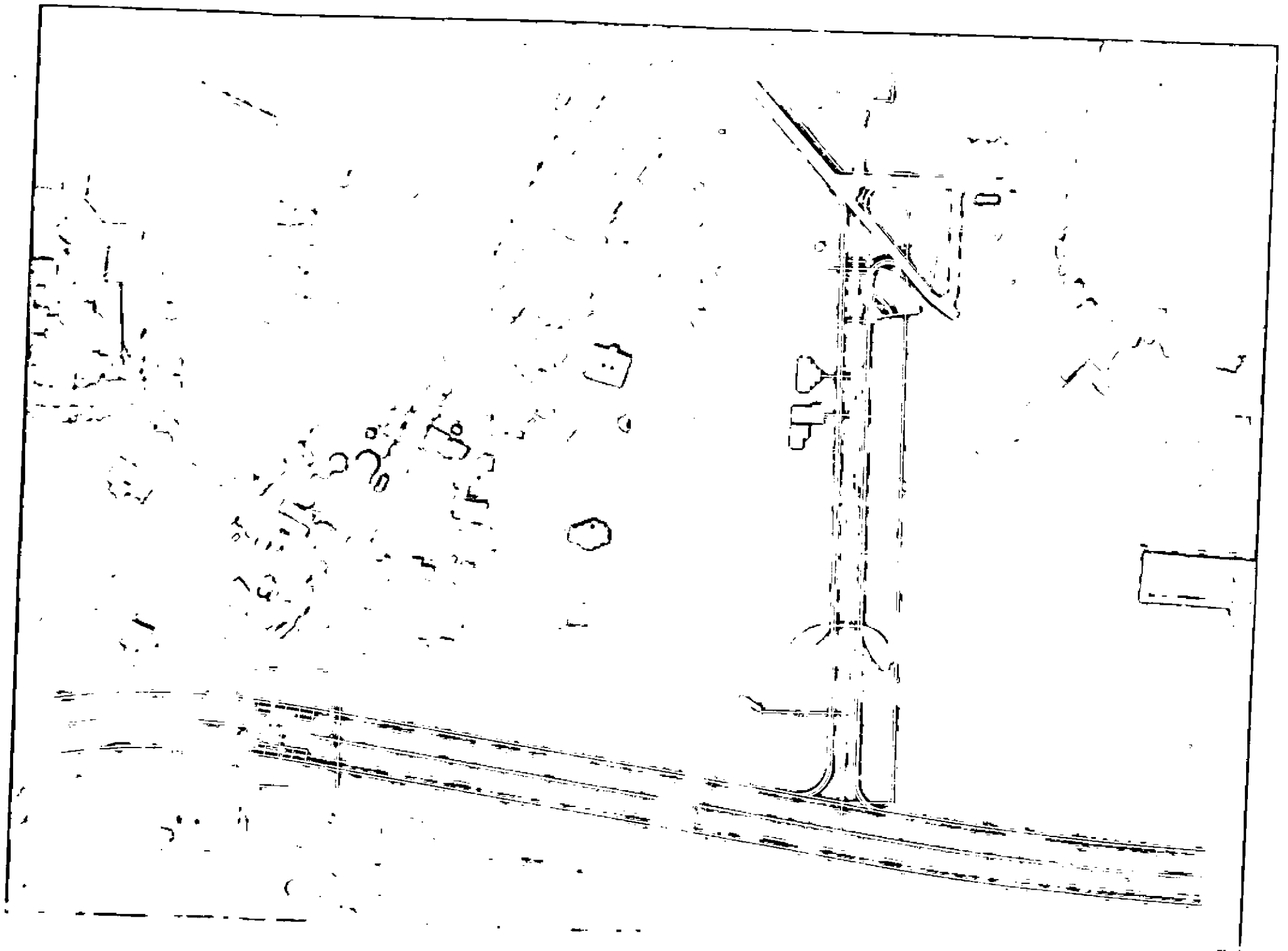
9.16	1800	Supplying, Fixing and Placing un-coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications.				
		Unit = MT				
			Taking output =	8	MT	
	a)	Material				
		MS bars including 5 per cent overlaps and wastage	tonne	8.40	78910.21	662845.60 M-083
		Binding wire	Kg	48.00	43.75	2100.00 M-072
	b)	Labour for straightening, cutting, bending, shifting to site, tying and placing in position				
		Note	day	0.16	841.83	134.69 L-12
		Bricksmith	day	1.00	1005.93	1005.93 L-02
		Mazdoor	day	3.00	751.34	2284.01 L-13
	c)	Machinery				
		Cutting Machine	hour	5.33	582.29	3105.52 P&M-49001
		Bending Machine	hour	5.33	582.29	3105.52 P&M-49001
		Electric generator 15 KVA	hour	5.33	468.84	2500.47 P&M-22002
		Tipper				
		Tipper for Transportation				
		(i) 18 cum capacity	Ltrn	8 x L	6.28	1391.04 P&M-72002
		(ii) 14 cum capacity	Ltrn		9.40	P&M-73002
		(iii) 10 cum capacity	Ltrn		11.61	P&M-74002
		Loading & Unloading Time	hour			
		(i) 18 cum capacity	hour	1.00	3178.84	3178.84 P&M-6001
		(ii) 14 cum capacity	hour		2818.82	P&M-6002
		(iii) 10 cum capacity	hour		2507.42	P&M-6003
		Light weight Crane				
		At cutting bonding yard	hour	2.00	1194.67	2389.34 P&M-63001
		At site	hour	2.00	1194.67	2389.34 P&M-63001
		Per MT Basic Cost of Labour, Material & Machinery (a+b+c)		85804.00		
	d)	Overhead charges		@ 20% on (a+b+c)		17280.80
	e)	Contractor's profit		@ 10% on (a+b+c+d)		62371.78
		Cost for 8 MT (a+b+c+d)				90009.57
		Rate for per MT (a+b+c+d)/8				11251.20
						say 11251.00

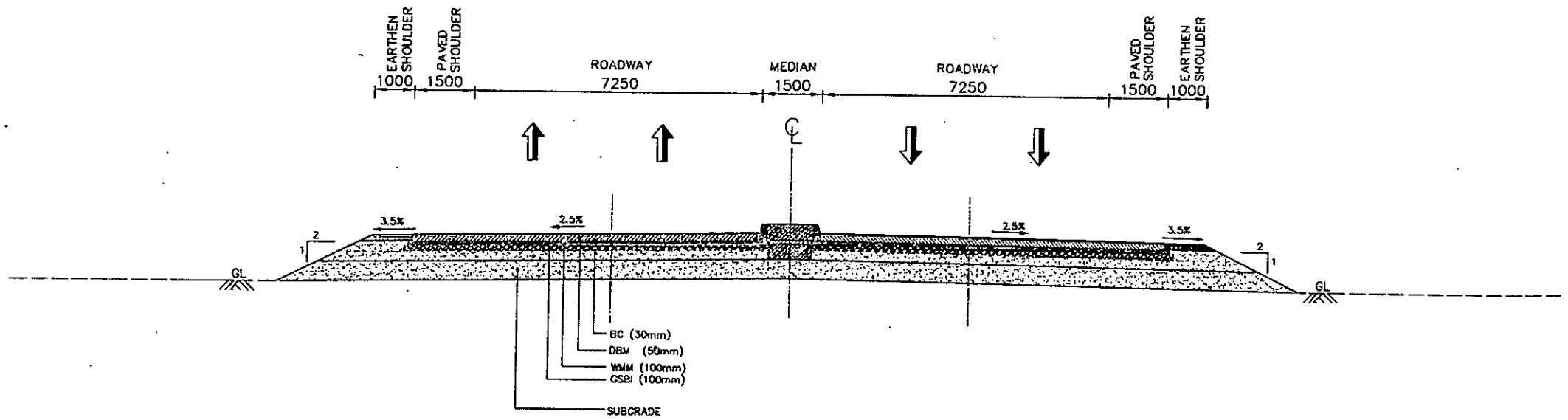


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*on 22/02/2017*

അനുബന്ധം - II







TYPICAL CROSS SECTION : FOR CALICUT UNIVERSITY



## KNR Constructions Limited

Ref: KNRCL/NH-66/RAM-VAL/GEN/2021-22/053

Date: 14.04.2022.

**To**  
**The Registrar,**  
**Calicut University,**  
**Kozhikode, Kerala**

Dear Sir,

**Project:** "Six laning of Ramanattukara Junction to start of Valanchery bypass section of NH - 66 (old NH-17) from Design Ch. 258+818 (Ex. km 27.840 of Kozhikode bypass) to Design Chainage 298+500 (Ex. km 304.250)" in the state of Kerala on Hybrid Annuity Mode under Bharatmala Pariyojana.

**Sub: Request for permission for Utilization of Vacant land of Calicut University at Kohinoor for Construction Activities - Reg.**

Ref: 1) KNRCL/NH-66/RAM-VAL-KAP/GEN/2021-22/020, dated 16.12.2021  
2) Your Letter No.17657/PLD-B-ASST-1/2021/Admn, dated 14.01.2022

It is to bring to your kind notice that we have been awarded the above said Six Laning road Project by National Highways Authority of India and whereas as a part in the course of road widening execution, numerous concrete structures requires to be constructed and for such purpose it is essential to undertake activities such as casting of Reinforced Earth Blocks / planks, Precast PSC Girders, Precast Planks, stocking the construction materials, establishment and operation of concrete batching plants.

Subsequently, to carry out the day to day activities, we have approached your good self for allocation of land admeasuring 2.50 Acres approximately and received a letter from you in this regard granting the permission for using the vacant land of university at Kohinoor (in front of Ganapathi Temple) for a period of 3 years for facilitating construction activities, subject to the discussions with us in respect of rent and tenure and entering to an agreement.

And also, we have identified another vacant land of 6.50 Acres approximately of University of Calicut at Calicut Parambu which is feasible for construction activities relating to NH-66.

Based on the subsequent discussions had with you, we hereby offer our quote against utilization of land for a period of 3 years as below which has two proposals.

Contd...2



Project Office : P. G. S. Chinn, Madakkara Village, Randathani Post - 676 510, Thirur Taluk, Malappuram District, Kerala.  
e-mail: knrclkottakkal@knrcl.com

Registered Office : 'KNR House', 3rd & 4th Floor, Plot No. 114, Phase-I, Kavuri Hills, Hyderabad - 500 033, Telangana.  
Phone: +91 40 40268759, 40268761 / 62, Fax: +91 40 40268760  
e-mail: info@knrcl.com, web: www.knrcl.com

**Proposal No.1:** Relaying of road with Bituminous Concrete from NH-66 to University Administrative Block - The required expenditure what so ever shall be borne by us including Men, Material and Machinery.

**Proposal No.2:** We offer to pay Rs.15,000/- (Rupees Fifteen Thousand only) per Acre per month against land rent for the entire area at the two locations i.e., Land in front of Ganapathy Temple and Land at Calicut Parambu, which was requested.

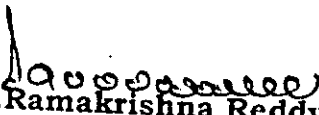
Kindly inform us about your acceptance in respect of above two proposals, so that we can enter an agreement in this regard.

Anticipating a favourable reply at the earliest.

Thanking you,

Yours faithfully,

For **KNR Constructions Limited**

  
M. Ramakrishna Reddy  
Project Manager





UNIVERSITY OF CALICUT

PLD-B

No. 17657/PLD-B-ASST-1/2021/Admn

Calicut University P.O.

Dated: 14/01/2022

From

The Registrar

To

The Senior Project Manager,

KNR Constructions Ltd.

Poovanchina, Marakkara Village, Randathani, Thirur,

Malappuram District, 676 510,

Sir,

Sub: Permission to use the vacant land of University at Kohinoor (in front of Ganapathy Temple) for a period of 3 years for facilitating construction activities – Reg.

Ref: University Order No.985/2022/Admn dated 14/01/2022

I am forwarding herewith a copy of the University Order No. 985/2022/Admn dated 14/01/2022, for information and further necessary action.



Yours faithfully,

  
Deputy Registrar

(For The Registrar)

Encl: University Order No. 985/2022/Admn dated 14/01/2022.



UNIVERSITY OF CALICUT

Abstract

Planning & Development Branch -permission to use the vacant land of University at Kohinoor (In front of Ganapathy Temple) for a period of 3 years for facilitating construction activities, for the firm KNR Constructions Ltd who has been awarded the Six Laning road Projects by National Highway Authority of India - Syndicate resolution Implemented - Orders issued

U.O.No. 0883/2022/Admn

PLD-B

Dated, Calicut University.P.O, 14.01.2022

- Road:-1. Letter No. KNRCL/NH-66/RAM-VAL-KAP/GEN/2021 -22 / 020 dated:16.12.2021.  
 2 Extract of the urgent Item No. 2021.1269\* of the minutes of the meeting of the Syndicate hold on 30/12/2021.

ORDER

As per paper read first, the Senior Project Manager, KNR Constructions Ltd (who has been awarded the Six Laning road Projects by National Highway Authority of India) has requested to grant permission for utilization of vacant Land of University at Kohinoor (in front of Ganapathy Temple) for Project Development for a period of 3 (Three) years to carry out the day to day activities that are feasible in facilitation for Construction Activities such as casting of Reinforced Earth Blocks / planks, Precast PSC Girders, Precast Planks, stocking the construction materials,establishment and operation of concrete batching plants.

As per paper read second, Syndicate considered the matter of granting permission to use the vacant land of University at Kohinoor (In front of Ganapathy Temple) for a period of 3 years for facilitating construction activities for the firm KNR constructions Ltd, related to NH widening and resolved to grant permission by discussing directly with the company and entering into an agreement regarding the land rent , tenure period etc. (കമ്പനിയുമായി നേരിട്ട് ചർച്ച നടത്തി, സ്ഥലവടക്കം, വിനിയോഗകാലം എന്നിവ നിശ്ചയിച്ച് ഉടമ്പടി വച്ച് കൊണ്ട് അനുമതി നൽകുന്നതിന് തീരുമാനിച്ചു).

The Vice Chancellor has accorded sanction to implement the above resolution of the Syndicate and to entrust the University Engineer to take further action in this regard.

The resolution of the Syndicate, vide paper read second is, therefore, implemented.  
Orders are issued accordingly.

Aseeja K

Assistant Registrar

To

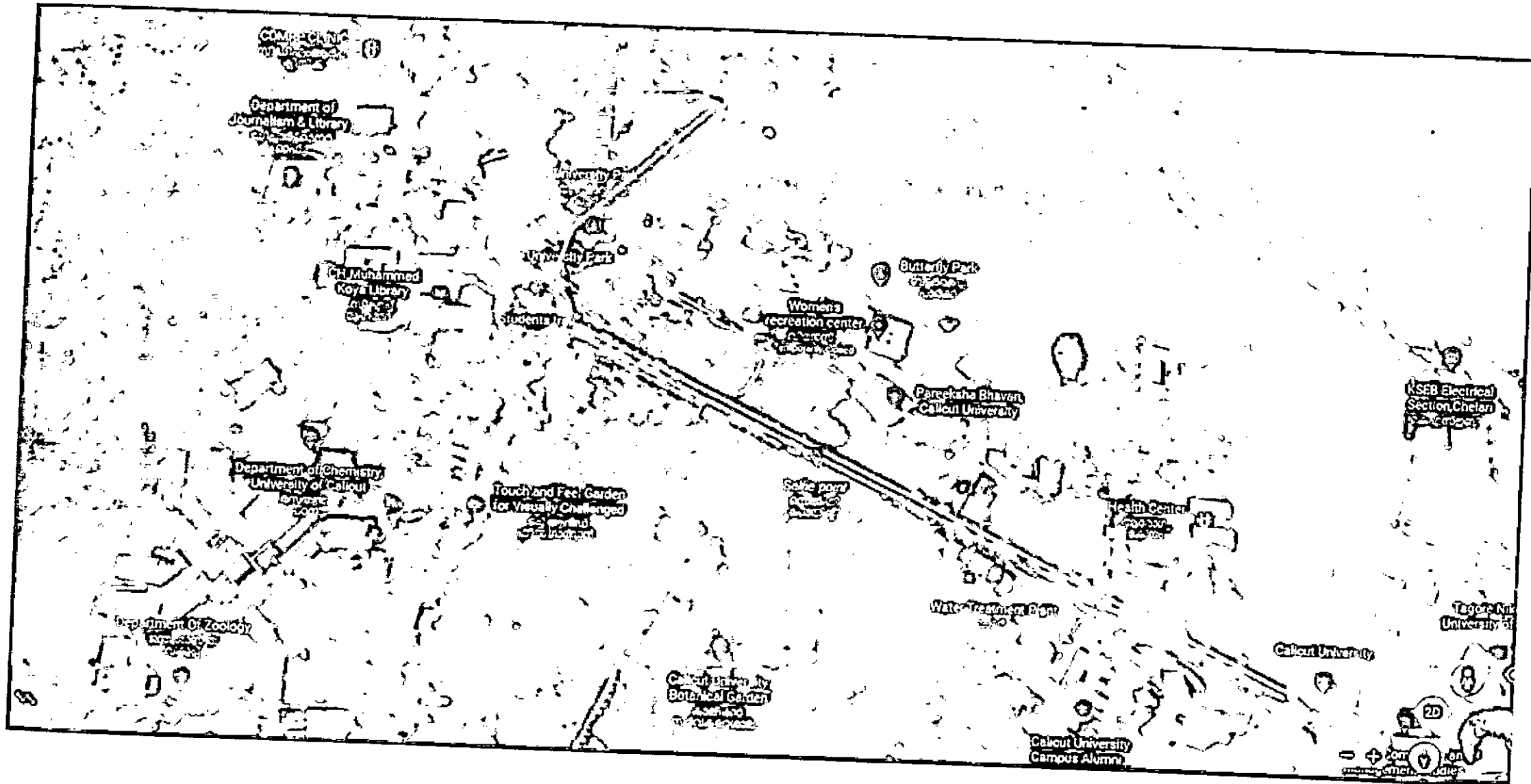
1. Senior Project Manager, KNR Constructions Ltd.,
2. University Engineer

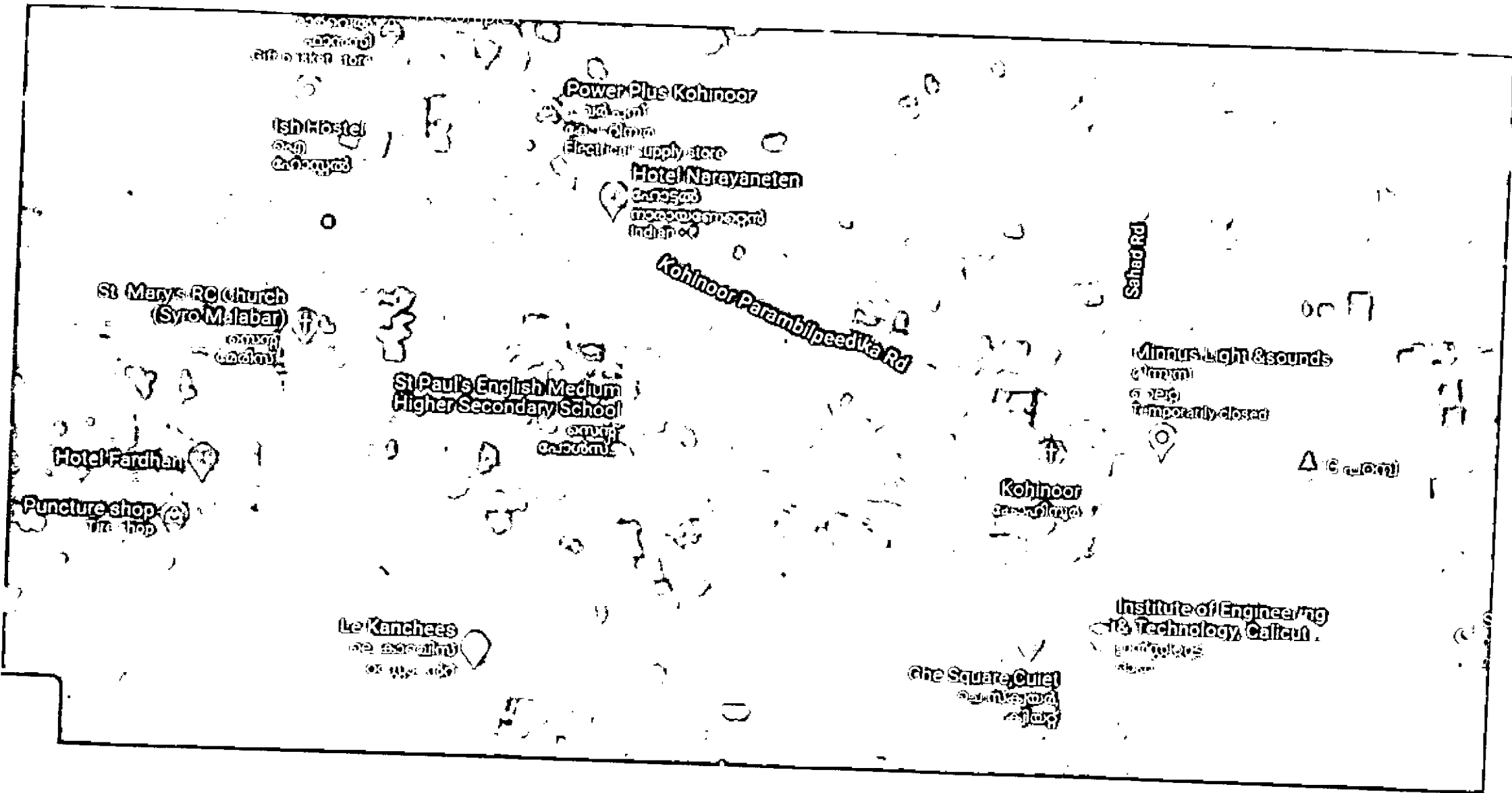
Copy to: EE(Civil)/HD/PA to PVC/PA to Registrar/Finance/JD-KSAD

Forwarded / By Order

*Nisla*  
Section Officer







*Handwritten signature*  
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