15 -ാം കേരള നിയമസഭ

14 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 2470

<u>30-09-2025 - ൽ മറുപടിയ്ക്</u>

മുക്കിൽക്കട-ആനന്ദേശ്വരം റോഡ് റീ ടാറിംഗ്

	ചോദ്യം		ഉത്തരം			
	ശ്രീ. തിരുവഞ്ചൂർ രാധാകൃഷ്ണൻ	ശ്രീ. എം.ബി. രാജേഷ് (തദ്ദേശ സ്വയംഭരണ - എക്സൈസ് - പാർലമെന്ററികാര്യ വകപ്പ് മന്ത്രി)				
(എ)	തിരുനന്തപുരം കോർപ്പറേഷന്റെ പരിധിയിലുള്ള മുക്കിൽക്കട-ആനന്ദേശ്വരം റോഡിന്റെ റീ ടാറിംഗ് പൂർത്തിയായോയെന്ന് വ്യക്തമാക്കുമോ; ഇല്ലെങ്കിൽ കാരണം വ്യക്തമാക്കാമോ;	(എ)	പ്രവൃത്തി പൂർത്തീകരിച്ചിട്ടില്ല. വാട്ടർ അതോറിറ്റി, സിറ്റി ഗ്യാസ് ലൈൻ പൈപ്പുകളുടെ റീസ്റ്റോറേഷൻ പ്രവൃത്തി പൂർത്തിയാക്കുവാൻ കാലതാമസം നേരിട്ടതിനാൽ ടി റീസ്റ്റോറേഷൻ പ്രവൃത്തി നഗരസഭ ഏറ്റെടുത്ത് നടത്തുകയാണ് ഉണ്ടായത്.			
(ബി)	പ്രസ്തുത റോഡിന്റെ റീ ടാറിംഗ് പ്രവൃത്തിയ്ക്ക് എത്ര രൂപയുടെ അന്തിമ അനുമതിയാണ് നൽകിയിട്ടുള്ളത്; പ്രസ്തുത പ്രവൃത്തിയുടെ എസ്റ്റിമേറ്റിന്റെ പകർപ്പ് ലഭ്യമാക്കാമോ;	(ബി)	2,98,10,000/- (രണ്ട് കോടി തൊണ്ണൂറ്റി എട്ട് ലക്ഷത്തി പതിനായിരം രൂപ മാത്രം) രൂപയുടെ അന്തിമ അനുമതിയാണ് നൽകിയിട്ടുള്ളത്. എസ്റ്റിമേറ്റിന്റെ പകർപ്പ് ഉള്ളടക്കം ചെയ്യുന്നു.			
(സി)	പ്രസ്തൃത പ്രവൃത്തിയ്ക്ക് കരാർ ലഭിച്ച കരാറുകാരന്റെ പേരും എത്ര ഇകയ്ക്കാണ് കരാർ ലഭിച്ചതെന്നും നിലവിൽ എത്ര ഇകയ്ക്കുള്ള ബില്ലുകൾ മാറിയിട്ടുണ്ടെന്നുമുള്ള വിവരം ലഭ്യമാക്കാമോ;	(സി)	2,51,97,044.84/- രൂപയ്ക്ക് ശ്രീ. സെൽവൻ.എൻ എന്ന വ്യക്തിക്കാണ് കരാർ ലഭിച്ചിട്ടുള്ളത്. നിലവിൽ ബില്ലുകൾ ഒന്നും കരാറുകാരന് മാറി നൽകിയിട്ടില്ല.			
(ഡി)	ഈ പ്രവൃത്തി എന്നത്തേയ്ക്ക് പൂർത്തിയാക്കാൻ സാധിക്കുമെന്ന് വ്യക്തമാക്കുമോ?	(ഡി)	2025 നവംബർ മാസം അവസാനത്തോടെ പ്രവൃത്തി പൂർത്തീകരിക്കുന്നതാണ്.			

സെക്ഷൻ ഓഫീസർ

2018

Cost Index (Place : Trivandrum, Value : 135.59), GST : 18% DETAILED ESTIMATE

REBUILD-MUKKIKADA -EDATHARA -CHENGOTTUKONAM ROAD RE-TARRING IN

5

SREEKARYAM ZONAL-SERIAL NO. 24-General Civil Work

**		2.
	1	100
10		

SI No	Specification	Ν̈́ο	Length	Width	Depth; Cf	Quantity			
1	RETARING AND	DRAIN			1-4				
1.001	3.15				•				
	Scarifying the exist scarified material	ting bitun with in all	ninous road si lifts and lead	urface to a d upto 1000 r	epth of 50 mm and onetres by Mechanica	disposal of al Means			
	To Be Executed (era)			
	111:-		scarifying	21					
	CH 0/1 10-0/160	1.000	50.000	3,500	<i>(</i>	175.00			
	CH0/320-0/360	1.000	40.000	3.500	**	140.000			
	CH0/390-0/420	1.000	30.000	3.500		105.000			
.,,	CH0/440-0/-60	1.000	20.000	3.500		70.000			
	CH0/610-0/630	1.000	20.000	3.500		70.000			
	CH1/010-1/040	1.000	30.000	3.500		105.000			
	CH1/140-1/160	1.000	20.000	3.500		70.000			
	CH1/890-1/950	1.000	60.000	3.500		210.000			
	CH2/170-2/350	1.000	180.000	3.500		630.000			
	CH2/600-2/620	1.900	20.000	3.500		70.000			
	Total					1645.000			
			Total To	Be Execut	ed Quantity in sqn	1645.000			
			T	otal Execut	ed Quantity in sqm	0.000			
				To	tal Quantity in sqm	1645.000			
.002	4.2.A.Î					d			
	Construction of granular sub-base by providing graded material, spreading in uniform layers with a motor grader on a prepared surface, mixing by mix in-place method with rotavator at OMC, and compacting with a vibratory roller to achieve the desired density, complete as per clause 401. Grading-III -For lower sub-base - Mix in Place Method								
	To Be Executed Q		The second second						
	1 2 1 :- GS	В							
	pipe-line trench	2.000	2650.000	1.000	0.100	530.000			
	CH0/110-0/130	1.000	20.000	5.500	0.100	11.000			
	CH0/320-0/340	1.000	20.000	5.500	0.100	11.000			
	CH0/390-0/410	1.000	20.000	5.500	0.100	11.000			
	CH0/440-0/460	1.000	20.000	5.500	0.100	11.000			
	2110/110 0/400	1.000	20.000	5.500	0.100	11.000			

	_			Width	Depth	Cf	Quantity
SI No	Specification	No	Length		0.100		11.000
	CH1/010-1/030	1.000	20.000	5.500	0.100		11.000
	CH1/140-1/160	1.000	20.000	5.500	0.100		60.500
	CH1/890-2/000	1.000	110.000	5.500			264.000
	CH2/170-2/650	1.000	480.000	5.500	<u> </u>		1041.500
	Total	•		·	uted Quanti		1041.500
	Total		Total	To Be Exec	uted Quanti	ty in cum	0.000
				Total Exec	otal Quanti	ty in cum	1041.500
1.003	Providing, laying Macadam specifimechanical mix layers with pave with vibratory re	plant carr r in sub- b oller to ac	iage of mixed base / base co hieve the desi	Materia; 0)	prepared su	vater at OM e, laying in rface and o	1C in a uniform compacting
	To Be Executed	d Quantit	y				
	1 3 1 :-		wettinx		00 0.1	00	530.000
	pipe line trench	2.0			00		11.000
	CH0/110-0/130	1.0			00 0.1		11.000
	CH0/320-0/340		00 20.00	87	The second second	00	11.000
	CH0/390-0/410		20.0		100	100	11.000
-	CH0/440-0/460	0 1.0	20.0	00	000	100	121.000
	CH0/610-0/83	0 1.0	000 220.0	00	300	100	11.000
	CH1/010-1/03	0 1.	000 20.0	700		100	11.000
	CH1/140-1/16	1.	000 20.0	700	500	.100	60.500
	CH1/890-2/00	00 1.	000 110.0	000		.100	264.000
	CH2/170-2/65	50 1	.000 480.	000		1000	1041.500
	Total		T.	tal To Re F	executed Qu	antity in o	eum 1041.500
			10	Total F	executed Qu	antity in	
			1	Total	Total Qu	antity in	cum 1041.500
.1	.004 5.1.a Providing ar of granular I	nd applyin Base inclu g/sqm usir	g primer coat ding clearing ng mechanica	with bitume of road surf means.	en emulsion face and spra	(SS) on prying prime	repared surface er at the rate of
	To Be Exec	uted Qua	intity				
-	1 4 1 :-		SS		1.000		4180.00
_	pipe line tre	ench	2.00	0.000	1.000	1	275.0
	CH0/110-0	/160	1.000	0.000	5.500		220.0
-	CH0/320-0	/360	1.000	0.000	5.500		165.0
	CH0/320-0	1100	1.000	30.000	5.500		

SI No	Specification	No	Length	Width	Depth Cf	Quantity
	CH0/440-0/460	1.000	20.000	5.500		110.000
	CH0/610-0/630	1.000	20.000	5.500		110.000
	_CH1/010-1/040	-1.000	30.000	5.500		165.000
	CH1/140-1/160	17.000	20.000	5.500		110.000
	CH1/890-1/950	1.000	60.000	5.500	1.	330.000
	CH2/170-2/520	1.000	350.000	5.500		1925.000
	Total				90	7590.000
•			Total To	Be Execute	ed Quantity in sqm	
					ed Quantity in sqm	
				Tot	al Quantity in sqm	7590.000
1.005	5.2.b					
	cleaned with mech	anical broc	- 0.30 kg per	men emulsion sqm on the p	pp (RS) using emuls repared Granular Si	ion pressure urface
	To Be Executed Q					
		COAT				
	pipe line trench	2.000	2090.000	1.000		4180.000
	CH0/110-0/160	1.000	50.000	5.500		275.000
	CH0/320-0/360	1.000	40.000	5.500		220.000
	CH0/390-0/420	1.000	30.000	5.500		165.000
	CH0/440-0/460	1.000	20.000	5.500		110.000
	CH0/610-0/630	1.000	20.000	5.500	_	110.000
	CH1/010-1/040	1.000	30.000	5.500		165.000
	CH1/140-1/160	1.000	20.000	5.500		110.000
	CH1/890-1/950	1.000	60.000	5.500		330.000
	CH2/170-2/520	1.000	350.000	5.500		1925.000
	Total	-				7590.000
			Total To	Be Executed	d Quantity in sqm	7590.000
-			· To	tal Executed	d Quantity in sqm	0.000
00.6				Tota	l Quantity in sqm	7590.000
	5.3.2.a					
I I	Providing and laying an average output of premixed with a bitto previously prepared alignment and rolled for Grading II - (19)	uminous bi surface wi l as per cla	per hour using nder (VG 30) th paver finis uses 501.6 ar	ng crushed ag , transported her to the rec	ggregates of specific to the site, laid over	ed grading r a
	Го Be Executed Qu			3	GIT COLUMN	
	6 1 :-		BM	3		
		1.000	2650.000	5.500	0.040	583.000

SINo	Specification	No	Length	Width	Depth	Cf	Quantity			
	by road ch0/120	1.000	3.000	3.700	0.040		0.444			
	by road ch0/230	1.000	3.000	3.500	0.040		0.420			
	by road ch0/270	1.000	3.000	4.000	0.040		0.480			
	by road ch0/340	1.000	3.000	5.000	0.040		0.600			
	by road ch0/380	1.000	3.000	3.000	0.040	-	0.360			
	by road ch0/410	1.000	3.000	5.500	0.040		0.660			
	by road ch0/500	1.000	3.000	5.000	0.040		0.600			
	by road ch0/620	1.000	3.000	6.500	0.040		0.780			
	by road ch0/640	1.000	3.000	4.200	0.040		0.504			
	by road ch1/000	1.000	3.000	3.200	0.040	_	0.384			
	by road ch1/120	1.000	3.000	4.000	0.040		0.48			
	by road ch1/420	1.000	3.000	3:500	0.040		0.42			
	by road ch1/560	1.000	3.000	3.800	0.040	5	0.45			
	by road ch1/650	1.000	3.000	4.000	0.040		0.48			
	by road ch1/870	1.000	3.000	4.200	0.040		0.50			
	by road ch1/910	1.000	3.000	8.000	0.040		0.96			
	by road ch2/040	1.000	3.000	4.000	0.040		0.48			
	by road ch2/180	1.000	3.000	6.300	0.040		0.75			
	Total		19	A. THE			592.76			
	A Ottal		592.76							
			7	Total Execut	ted Quantit	y in cum	0.00			
				To	tal Quantit	y in cum	592.76			
1.007	5.6.2.a									
	Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with a bituminous binder (NRMB) @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects For Grading - II (13.2)									
	premixed with a b transporting the ho sensor control to t	of 75 tonnituminous of mix to vehe required and tanded tion claus	binder(NRA vork site, layid grade, level	AB) @ 5.4 points with a hy l, and alignmachieve the a	ercent of mi drostatic panent, rolling desired com	x and fille ver finish with smo	er, er with oth s per			
	premixed with a b transporting the ho sensor control to t wheeled, vibratory MORTH specifica	of 75 tonnituminous of mix to whe required and tandertion claus	binder(NRA vork site, layid grade, level	AB) @ 5.4 points with a hy l, and alignmachieve the a	ercent of mi drostatic panent, rolling desired com	x and fille ver finish with smo	er, er with oth s per			
	premixed with a b transporting the ho sensor control to t wheeled, vibratory MORTH specifica mm Nominal Size To Be Executed (of 75 tonnituminous of mix to whe required and tandertion claus	binder (NRN vork site, layid grade, level em rollers to e No. 507 co	ising crushed AB) @ 5.4 peing with a hy l, and alignmachieve the emplete in all	raggregates ercent of mi drostatic pa nent, rolling desired com respects Fo	x and fille ver finish with smo paction as r Grading	er, er with oth s per ; - II (13.2			
	premixed with a b transporting the ho sensor control to t wheeled, vibratory MORTH specifica mm Nominal Size To Be Executed (of 75 tonnituminous of mix to vehe required and tander tion claus)	binder(NRA vork site, layid grade, level	ising crushed AB) @ 5.4 poing with a hy I, and alignm achieve the omplete in all	a aggregates ercent of mi vdrostatic panent, rolling desired com respects Fo	x and fille ver finish with smo paction as r Grading	er, er with oth s per g - II (13.2			
	premixed with a b transporting the ho sensor control to t wheeled, vibratory MORTH specifica mm Nominal Size To Be Executed (of 75 tonnituminous of mix to whe required and tandetion claus Quantity	binder (NRN vork site, layid grade, level em rollers to e No. 507 co	ising crushed AB) @ 5.4 pe ing with a hy I, and alignm achieve the complete in all 5.500 3.700	n aggregates ercent of mi drostatic panent, rolling desired com respects Fo	x and fille ver finish with smo paction as r Grading	er, er with oth s per - II (13.2			
	premixed with a b transporting the hosensor control to t wheeled, vibratory MORTH specifica mm Nominal Size To Be Executed (1 7 1 :- B)	of 75 tonnituminous of mix to whe required and tanded tion claus Quantity C 1.000	binder (NRN vork site, layid grade, levelem rollers to e No. 507 con	ising crushed AB) @ 5.4 poing with a hy I, and alignm achieve the omplete in all	n aggregates ercent of mi vdrostatic panent, rolling desired com respects Fo	x and fille ver finish with smo paction as r Grading	297.0 0.3 0.3			
	premixed with a b transporting the ho sensor control to t wheeled, vibratory MORTH specifica mm Nominal Size To Be Executed 1 7 1:- B by road ch0/120	of 75 tonnituminous of mix to whe required and tanded ition claus Quantity C 1.000 1.000	binder (NRN vork site, layid grade, level em rollers to e No. 507 co	ising crushed AB) @ 5.4 pe ing with a hy I, and alignm achieve the complete in all 5.500 3.700	n aggregates ercent of mi vdrostatic panent, rolling desired com respects Fo 0.030 0.030 0.030 0.030	x and fille ver finish with smo paction as r Grading	297.0 0.3 0.3			
	premixed with a b transporting the hosensor control to twheeled, vibratory MORTH specifica mm Nominal Size To Be Executed (1 7 1 :- B) by road ch0/120 by road ch0/230 by road ch0/270	of 75 tonnituminous of mix to whe required and tanded tion claus Quantity C 1.000 1.000	les per hour ubinder (NRN vork site, layid grade, leveler rollers to e No. 507 cos 1800.000 3.000 3.000 3.000	sing crushed AB) @ 5.4 poing with a hy I, and alignmachieve the complete in all 5.500 3.700 3.500	n aggregates ercent of mi vdrostatic panent, rolling desired com respects Fo 0.030 0.030 0.030	x and fille ver finish with smo paction as r Grading	297.0 0.3 0.3 0.4			
	premixed with a b transporting the hosensor control to t wheeled, vibratory MORTH specifica mm Nominal Size To Be Executed (1 7 1 :- B) by road ch0/120 by road ch0/230	of 75 tonnituminous of mix to whe required and tande ation claus Quantity C 1.000 1.000 1.000	les per hour ubinder (NRN vork site, layid grade, level em rollers to e No. 507 co	sing crushed AB) @ 5.4 peing with a hy l, and alignm achieve the complete in all 5.500 3.700 3.500 4.000	0.030 0.030 0.030 0.030 0.030	x and fille ver finish with smo paction as r Grading	er, er with oth s per			

LSGD/EST/2579/2022 5 1 1/RE 1 (Edit ld : 1)

Place): Trivandrum, GST: 18%

SINO	Specification	No	Length	Width	Depth	Cf	Quantity
	by road ch0/500	1.000	3.000	5.000	0.030		0.450
	by road ch0/620	1.000	3.000	6.500	0.030		0.585
	by road ch0/640	1.000	3.000	4.200	0.030		0.378
	by road ch1/000	1.000	3.000	3.200	0.030		0.288
	by road ch1/120	1.000	3.000	4.000	0.030	_	0.360
	by road ch1/420	1.000	3.000	3.500	0.030		0.315
	by road ch1/560	1.000	3.000	3.800	0.030		0.342
	by road ch1/650	1.000	3.000	4.000	0.030		0.360
	by road ch1/870	1.000	3.000	4.200	0.030		0.378
		1.000	3.000	8.000	0.030		0.720
	by road ch1/910	1.000	3.000	4.000	0.030		0.360
	by road ch2/040	1.000	3.000	6:300	0.030		0.567
	by road ch2/180	1.000	3.0001	1	g.		304.326
	Total		Total T	o Be Execu	ted Quantity	in cum	304.326
					ted Quantity		0.000
					tal Quantity		304.326
1.008	Providing and app distributor at the r cleaned with mech	ate of 0.20 nanical bro	- 0.30 kg pe	tumen emuls er sqm on the	ion(RS) usir prepared bit	ng emulsi uminous	on pressure surface
1.008	Providing and app	ate of 0.20 nanical bro	coat with bi - 0.30 kg pe om.	tumen emuls er sqm on the	ion(RS) usir prepared bit	ng emulsi uminous	on pressure surface
1.008	Providing and app distributor at the r cleaned with mech	ate of 0.20 nanical bro	coat with bi	tumen emuls er sqm on the	ion(RS) usir prepared bit	ng emulsi uminous	V 21
1.008	Providing and app distributor at the ri- cleaned with mech	ate of 0.20 nanical bro	coat with bi - 0.30 kg pe om.	tumen emuls er sqm on the 5.500	ion(RS) usir prepared bit	ng emulsi uminous	V 21
1.008	Providing and app distributor at the r cleaned with mech To Be Executed (1 8 1:- BEFORE BM DEDUCTION	ate of 0.20 nanical bro Quantity	coat with bit - 0.30 kg person.	5.500	ion(RS) usir prepared bit	ng emulsi uminous	14575.00 7590.00
1.008	Providing and app distributor at the ri- cleaned with mech To Be Executed (1 8 1 :- BEFORE BM DEDUCTION for granular area	ate of 0.20 nanical bro Quantity	coat with bit - 0.30 kg person. RS 2650.000	5.500	prepared on	ng emulsi uminous	7590.000 9900.000
1.008	Providing and app distributor at the ricleaned with mech To Be Executed (1 8 1:- BEFORE BM DEDUCTION for granular area AFTER BM	Quantity 1.000	coat with bit - 0.30 kg person. RS 2650.000	5.500	prepared on	ng emulsi uminous	7590.000 9900.000 22.20
1.008	Providing and app distributor at the ri- cleaned with mech To Be Executed (1 8 1 :- BEFORE BM DEDUCTION for granular area AFTER BM by road ch0/120	1.000 1.000	coat with bit - 0.30 kg person. RS 2650.000 7590.000 1800.000	5.500 5.500 3.700	prepared on	ng emulsi uminous	7590.00 9900.00 22.20 21.00
1.008	Providing and app distributor at the releaned with meet To Be Executed (1 8 1:- BEFORE BM DEDUCTION for granular area AFTER BM by road ch0/120 by road ch0/230	1.000 -1.000 -2.000	coat with bit - 0.30 kg person. RS 2650.000 7590.000 1800.000 3.000	5.500 5.500 3.700 3.500	prepared on	ng emulsi uminous	7590.00 9900.00 22.20 21.00 24.00
1.008	Providing and app distributor at the recleaned with mech To Be Executed (1 8 1:- BEFORE BM DEDUCTION for granular area AFTER BM by road ch0/120 by road ch0/230 by road ch0/270	1.000 1.000 2.000 2.000	coat with bit - 0.30 kg person. RS 2650.000 7590.000 1800.000 3.000 3.000 3.000	5.500 5.500 3.700 3.500 4.000	prepared on	ng emulsi uminous	7590.00 9900.00 22.20 21.00 24.00 30.00
1.008	Providing and app distributor at the r cleaned with mech. To Be Executed (1 8 1:- BEFORE BM DEDUCTION for granular area. AFTER BM by road ch0/120 by road ch0/230 by road ch0/270 by road ch0/340	1.000 1.000 2.000 2.000	coat with bit - 0.30 kg person. RS 2650.000 7590.000 3.000 3.000 3.000 3.000 3.000	5.500 5.500 3.700 3.500 4.000 5.000	prepared on	ng emulsi uminous	7590.00 9900.00 22.20 21.00 24.00 30.00 18.00
1.008	Providing and app distributor at the recleaned with mech. To Be Executed (1 8 1:- BEFORE BM DEDUCTION for granular area. AFTER BM by road ch0/120 by road ch0/230 by road ch0/270 by road ch0/340 by road ch0/340	1.000 1.000 2.000 2.000 2.000	coat with bit - 0.30 kg person. RS 2650.000 7590.000 1800.000 3.000 3.000 3.000 3.000 3.000 3.000	5.500 5.500 3.700 3.500 4.000 5.000 3.000	prepared on	ng emulsi uminous	7590.000 9900.000 22.20 21.00 24.00 30.00 18.00 33.00
1.008	Providing and app distributor at the recleaned with mech. To Be Executed (1 8 1:- BEFORE BM DEDUCTION for granular area. AFTER BM by road ch0/120 by road ch0/230 by road ch0/270 by road ch0/340 by road ch0/380 by road ch0/410	1.000 1.000 2.000 2.000 2.000 2.000 2.000	coat with bit - 0.30 kg person. RS 2650.000 7590.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000	5.500 5.500 3.700 3.500 4.000 5.000 3.000 5.500	prepared on	ng emulsi uminous	7590.000 9900.000 22.20 21.00 24.00 30.00 18.00 30.00
1.008	Providing and app distributor at the r cleaned with mech. To Be Executed 1 8 1:- BEFORE BM DEDUCTION for granular area. AFTER BM by road ch0/120 by road ch0/230 by road ch0/270 by road ch0/340 by road ch0/380 by road ch0/410 by road ch0/500	1.000 1.000 2.000 2.000 2.000 2.000 2.000 2.000	coat with bit - 0.30 kg person. RS 2650.000 7590.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000	5.500 5.500 3.700 3.500 4.000 5.000 5.500 5.000	prepared on	ng emulsi uminous	7590.00 9900.00 22.20 21.00 24.00 30.00 33.00 39.00
1.008	Providing and app distributor at the releaned with mech. To Be Executed 1 8 1:- BEFORE BM DEDUCTION for granular area. AFTER BM by road ch0/120 by road ch0/230 by road ch0/270 by road ch0/340 by road ch0/340 by road ch0/340 by road ch0/410 by road ch0/500 by road ch0/620	1.000 1.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	coat with bir - 0.30 kg person. RS 2650.000 7590.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000	5.500 3.700 3.500 4.000 5.000 3.000 5.500 6.500) i	ng emulsi uminous	7590.000 9900.000 22.20 21.00 24.00 30.00 18.00 30.00 39.00 25.20
1.008	Providing and app distributor at the r cleaned with mech To Be Executed (1 8 1:- BEFORE BM DEDUCTION for granular area AFTER BM by road ch0/120 by road ch0/230 by road ch0/230 by road ch0/240 by road ch0/340 by road ch0/340 by road ch0/340 by road ch0/410 by road ch0/500 by road ch0/620 by road ch0/620 by road ch0/640	1.000 1.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	coat with bit - 0.30 kg person. RS 2650.000 7590.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000	5.500 3.700 3.500 4.000 5.000 3.000 5.500 6.500 4.200) .	ng emulsi uminous	7590.000 9900.000 22.200 21.000 24.000 30.000 33.000 39.000 25.200 19.200
1.008	Providing and app distributor at the releaned with mech. To Be Executed 1 8 1:- BEFORE BM DEDUCTION for granular area. AFTER BM by road ch0/120 by road ch0/230 by road ch0/270 by road ch0/340 by road ch0/340 by road ch0/340 by road ch0/410 by road ch0/500 by road ch0/620	1.000 1.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	Coat with bit - 0.30 kg person. RS 2650.000 7590.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000	5.500 3.700 3.500 4.000 5.000 5.000 6.500 6.500 4.200 3.200)	ng emulsi uminous	7590.000 9900.000 22.200 21.000 30.000 18.000 33.000 39.000 25.200 19.200 24.000

SI No	Specification	No	Length	Width	Depth	Cf	Quantity
	by road ch1/560	2.000	3.000	3.800			22.800
	by road ch1/650	2.000	3.000	4.000			24.000
	by road ch1/870	2:000	3.000	4.200			25.200
	by road ch1/910	2.000	3.000	8.000			48.000
	by road ch2/040	2.000	3.000	4.000	.		24.00
	by road ch2/180	2.000	3.000	6.300	*		37.80
	Total				· ·		17373.4
			Total T	o Be Execut	ed Quantity	y in sqm	17373.4
			7	Total Execut	ed Quantity	y in sqm	0.00
				y .	tal Quantit		17373.4
1.009	8.13			* .	,		
	Providing and lay reflectorising glas thickness of 2.5 m finished surface to	s beads on ım is exclu	Bituminous sive of surface uniform, and	Surface @ 2: ce applied gla free from str	so gms per s ass beads as eaks and ho	per IRC: les.	35. The
			160	o Be Execut			0.00
		. "	A message of	Total Execut	ed Quantit	y in sqm	0.00
						0007	0.00
				То	tal Quantit	y in sqm	0.00
1.010							
1.010	Providing and fix made out of ASA. 4280, strong enougaccordance with A reflectivity conformadhesive etc. with	HIPS/ABS gh to supp ASTM D 4 ming to cl 2 years w	S moulded be ort a load of 280, reflectiv ause 804.4. in arranty for th	(Raised Pavedy with sharmore than 13 re panel conficient instance of the condition of the c	rement Mark hks and conf 3.635 T whe firming to A allation, dri as well as for	cer) of 'ca forming to n tested in STM D 73 Iling, fixin	ategory A' b ASTM D n 88, and ng with
1.010	Providing and fix made out of ASA 4280, strong enou accordance with A reflectivity conformation.	HIPS/ABS gh to supp ASTM D 4 ming to cl 2 years w	S moulded be ort a load of 280, reflective ause 804.4. in arranty for th Markers/Roa	(Raised Payody with shar more than 13 re panel confincluding inst e road stud a d Stud with I	rement Mark hks and conf 3.635 T whe irming to A allation, dri is well as for Lense Reflec- tuted Quan	cer) of 'ca forming to n tested in STM D 73 Illing, fixin r in field p ctor:-	ategory A' o ASTM D a 88, and ang with operformance
1.010	Providing and fix made out of ASA. 4280, strong enougaccordance with A reflectivity conformadhesive etc. with	HIPS/ABS gh to supp ASTM D 4 ming to cl 2 years w	S moulded be ort a load of 280, reflective ause 804.4. in arranty for th Markers/Roa	(Raised Payody with shar more than 13 re panel confincluding inst e road stud a d Stud with I	rement Mark hks and conf 3.635 T whe firming to A allation, dri as well as for Lense Reflect	cer) of 'ca forming to n tested in STM D 73 Illing, fixin r in field p ctor:-	0.00
1.010	Providing and fix made out of ASA. 4280, strong enougaccordance with A reflectivity conformadhesive etc. with	HIPS/ABS gh to supp ASTM D 4 ming to cl 2 years w	S moulded be ort a load of 280, reflective ause 804.4. in arranty for th Markers/Roa	Raised Paver ody with sharmore than 13 re panel confinctuding instact the road stud and Stud with In the Execution of the Exe	rement Mark hks and conf 3.635 T whe irming to A allation, dri is well as for Lense Reflec- tuted Quan	cer) of 'ca forming to n tested in STM D 73 lling, fixin r in field p ctor:- tity in no tity in no	ategory A' o ASTM D o ASTM D o ASTM D o See a control of the contr
1.010	Providing and fix made out of ASA, 4280, strong enou accordance with A reflectivity confor adhesive etc. with as per clause 804.	/HIPS/ABS gh to supp ASTM D 4 rming to cl 2 years w 7.3 Road	S moulded be ort a load of 280, reflective ause 804.4. in arranty for the Markers/Roa Total	c (Raised Pavedy with sharmore than 13 re panel confinctuding instead stud and Stud with It. To Be Executed Execute Total Execute.	rement Markaks and confidence of the latest Allation, drives well as for Lense Reflected Quantities and provides and provides quantities quanti	cer) of 'ca forming to n tested in STM D 73 Illing, fixin r in field p ctor:- tity in no tity in no tity in no	ategory A' o ASTM D o ASTM D o ASTM D o Service of the control of
	Providing and fix made out of ASA, 4280, strong enou accordance with A reflectivity confor adhesive etc. with as per clause 804.	ing of retro anty manuf de clause 8 omposite 1 to the gro g all expose approved	S moulded be out a load of 280, reflective ause 804.4. in arranty for the Markers/Roa Total o- reflectorise actured as per solution of the control of the c	c (Raised Payed with sharmore than 13 re panel confinction of the road stud at a stud with I robbet Execution of the road stud with I robbet Execution of the robbet at the robbet of th	rement Markaks and confidence of Allation, dries well as for Lense Reflected Quantitated Q	cer) of 'ca forming to n tested in STM D 73 Illing, fixin r in field p ctor:- tity in no tity in no tity in no 'and infor IV micro , 2 mm table back n NB consolution elow grouting over	ntegory A' o ASTM D n 88, and ng with performance 0.00 0.00 rmatory significant signifi

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
			,	Total Execu	ted Quantity	y in each	0.000
		(8)		To	tal Quantity	y in each	0.000
1.012	8.4.3						
	Providing and fixing with 7 years warrang rade sheeting vid aluminium compoof MS angle 25x2: firmly fixed to the cement concrete mainting all expose per approved draw	nty manufulle clause 8 sit materia 5x3 and signound being size 45 ed surface	Cactured as positions of the second all sheeting 4 supported on the second of the seco	over aluminion thick with the minimum thick with the minimum thick with the minimum thick with the minimum the min	ade of Type ium sheeting ith suitable b 50mm NB c gned foundat cm below g inting over e	IV micro 2 mm th ack suppo onfirming ion with ! round lever poxy prin	prismatic ick/ orting frame to IS 1239 M 15 grade el including ner and as
	per approved draw	m _B and c		To Be Execu			0.000
		-		Total Execu			0.000
					dal Quantit		0.000
1 013	8.4.4						
	aluminium compo	le clause 8 sit materi:	301.3.3 fixed	over alumini	ade of Type ium sheeting ith suitable b	, 2 mm th	ick/
	aluminium compo of MS angle 25x2; firmly fixed to the cement concrete m painting all expose per approved draw rectangular	sit materia 5x3 and so ground be ain size 45 ed surface	301.3.3 fixed all sheeting 4 upported on by means of p 5 cm x 45 cm with 2 coats	over alumini mm thick wi GI pipe pole properly design a x 60 cm, 60 s of epoxy pa	ium sheeting ith suitable b 50mm NB c gned foundat cm below g inting over e	, 2 mm th ack suppo onfirming ion with I round lev poxy prin	ick/ orting frame to IS 1239 M 15 grade el including ner and as
	aluminium compo of MS angle 25x2. firmly fixed to the cement concrete in painting all expose per approved draw	sit materia 5x3 and so ground be ain size 45 ed surface	301.3.3 fixed al sheeting 4 upported on by means of p 5 cm x 45 cm with 2 coats lause 801 inc	over alumini mm thick wi GI pipe pole properly design a x 60 cm, 60 s of epoxy pa	ium sheeting ith suitable b 50mm NB c gned foundat cm below g inting over e ing symbols	, 2 mm the ack supportion with 1 round lever poxy princete. 80 m	orting frame to IS 1239 M 15 grade el including ner and as m x 60 mm
	aluminium compo of MS angle 25x2. firmly fixed to the cement concrete in painting all expose per approved draw	sit materia 5x3 and so ground be ain size 45 ed surface	301.3.3 fixed all sheeting 4 upported on by means of p 5 cm x 45 cm with 2 coats lause 801 inc	over aluming mm thick with the state of the	ium sheeting ith suitable b 50mm NB c gned foundat cm below g inting over e ing symbols ted Quantit	, 2 mm the ack support on firming ion with fround lever poxy princete. 80 mm.	orting frame to IS 1239 M 15 grade el including ner and as m x 60 mm 0.000
	aluminium compo of MS angle 25x2. firmly fixed to the cement concrete in painting all expose per approved draw	sit materia 5x3 and so ground be ain size 45 ed surface	301.3.3 fixed all sheeting 4 upported on by means of p 5 cm x 45 cm with 2 coats lause 801 inc	over aluminimm thick will miss properly design at 60 cm, 60 cm for a few field of the few fields of th	ium sheeting ith suitable b 50mm NB c gned foundat cm below g inting over e ing symbols ted Quantit	, 2 mm the ack support on firming ion with 1 round lever poxy princete. 80 m y in each	orting frame to IS 1239 M 15 grade el including ner and as m x 60 mm 0.000 0.000
1 014	aluminium compo of MS angle 25x2; firmly fixed to the cement concrete in painting all expose per approved draw rectangular	sit materia 5x3 and sign ground be ain size 45 ed surface ving and c	301.3.3 fixed al sheeting 4 upported on 6 y means of p 5 cm x 45 cm with 2 coats lause 801 inc	over aluming mm thick with thick with the property design at 60 cm, 60 cm, 60 cm the following letter. To Be Execut Total Execut	ium sheeting ith suitable b 50mm NB c gned foundat cm below g inting over eing symbols ted Quantit ted Quantit	, 2 mm th ack suppo onfirming ion with I round lev poxy prin etc. 80 m y in each y in each	orting frame to IS 1239 M 15 grade el including ner and as m x 60 mm 0.000 0.000
1 014	aluminium compo of MS angle 25x2; firmly fixed to the cement concrete m painting all expose per approved draw rectangular	ng of retro ng of retro ted over al 4 mm thic ported on (neans of p 45 cm x 4 ed surface ving and c	o- reflectoris factured as peur factured	over aluminimm thick will miss thick will generally design at a 60 cm, 60 cm, 60 cm for the following letter. To Be Executed Cautionary er IRC:67 meeting, 2 mm to be back supp 50mm NB content of the following for the following	ium sheeting ith suitable b 50mm NB c gned foundat cm below g inting over e ing symbols ted Quantit ted Quantit ted Quantit otal Quantit orting frame on firming to ion with M I ow ground leinting over e	, 2 mm the ack support on firming ion with I round lever poxy princete. 80 mm. y in each y in each y in each with a round information of MS ard IS 1239 for 5 grade cevel include poxy princetes.	orting frame to IS 1239 M 15 grade el including her and as m x 60 mm 0.000 0.000 matory sign prismatic osite higle firmly fixed ement ding her and as
1 014	aluminium compo of MS angle 25x2; firmly fixed to the cement concrete mainting all expose per approved draw rectangular 8.4.12 Providing and fixing with 7years warrangrade sheeting fixematerial sheeting 425x25x3 and supp to the ground by mainting all expose per approved draw per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground to the ground by mainting all expose per approved draw to fixe the ground to the ground to fixe the ground	ng of retro ng of retro ted over al 4 mm thic ported on (neans of p 45 cm x 4 ed surface ving and c	o- reflectoris factured as pole or pipe pole or operly design to the with 2 coats lause 801 incompensations. Total 7 coats are with suitable or operly design to the with 2 coats alause 801 incompensations. Total 7 coats are with suitable or operly design to the with 2 coats alause 801 incompensations.	over aluminimm thick will miss thick will generally design at a 60 cm, 60 cm, 60 cm for the following letter. To Be Executed Cautionary er IRC:67 meeting, 2 mm to be back supp 50mm NB content of the following for the following	ium sheeting ith suitable b 50mm NB c gned foundat cm below g inting over eing symbols ted Quantit ted Quantit ted Quantit otal Quantit orting frame on firming to ion with M I ow ground leinting over eing symbols	, 2 mm the ack support on firming ion with I round lever poxy princete. 80 mm. y in each y in each y in each of MS ard IS 1239 for 5 grade cevel included poxy princete. 50cm.	orting frame to IS 1239 M 15 grade el including ner and as m x 60 mm 0.000 0.000 0.000 matory sign prismatic osite agle irmly fixed ement ding ner and as ax 60 cm
1 014	aluminium compo of MS angle 25x2; firmly fixed to the cement concrete mainting all expose per approved draw rectangular 8.4.12 Providing and fixing with 7years warrangrade sheeting fixematerial sheeting 425x25x3 and supp to the ground by mainting all expose per approved draw per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground to the ground by mainting all expose per approved draw to fixe the ground to the ground to fixe the ground	ng of retro ng of retro ted over al 4 mm thic ported on (neans of p 45 cm x 4 ed surface ving and c	o- reflectoris factured as per uminum sheek with suitab GI pipe pole or operly designate to the country of the	over aluming mm thick will mm thick will misself pipe pole or operly design at 60 cm, 60 sof epoxy pactuding letter. To Be Executed Cautionary er IRC:67 meeting, 2 mm to ble back supp 50mm NB control of the control	th suitable be 50mm NB comed foundate cm below go inting over eing symbols ted Quantity and of Type chick/aluming orting frame onfirming to ion with M low ground leinting over eing symbols ted Quantity ted Quantity of the properties of the proper	, 2 mm the ack support on firming ion with I round lever poxy princete. 80 mm. y in each y in each y in each of MS ard IS 1239 for 5 grade cover include poxy princete. 50 cm. y in each y in each of MS ard IS 1239 for some composition of MS ard IS 1239 for some include poxy princete. 50 cm. y in each y in each y in each y in each include the some include poxy princete. 50 cm.	orting frame to IS 1239 M 15 grade el including her and as m x 60 mm 0.000 0.000 matory sign prismatic osite higle firmly fixed ement ding her and as
1 014	aluminium compo of MS angle 25x2; firmly fixed to the cement concrete mainting all expose per approved draw rectangular 8.4.12 Providing and fixing with 7years warrangrade sheeting fixematerial sheeting 425x25x3 and supp to the ground by mainting all expose per approved draw per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground by mainting all expose per approved draw to fixe the ground to the ground by mainting all expose per approved draw to fixe the ground to the ground to fixe the ground	ng of retro ng of retro ted over al 4 mm thic ported on (neans of p 45 cm x 4 ed surface ving and c	o- reflectoris factured as per uminum sheek with suitab GI pipe pole or operly designate to the country of the	over aluming mm thick will mm thick will misselve pole properly design at 60 cm, 60 sof epoxy pactuding letter. To Be Executed cautionary er IRC:67 meting, 2 mm to ble back supp 50mm NB considered foundation, 60 cm belos of epoxy pactuding letter. To Be Execute Total Execute Execute Total Execute Total Execute Total Execute Total Execute Total Execute Total Execute Execute Execute Total Ex	th suitable be 50mm NB comed foundate cm below go inting over eing symbols ted Quantity and of Type chick/aluming orting frame onfirming to ion with M low ground leinting over eing symbols ted Quantity ted Quantity of the properties of the proper	, 2 mm the ack support on firming ion with 1 round lever poxy prinete. 80 mm. y in each y in each y in each and information with 1 round information of MS ard IS 1239 from 1 round poxy prinete. 50 cm. y in each y i	orting frame to IS 1239 M 15 grade el including her and as m x 60 mm 0.000 0.000 matory sign prismatic besite ligle irmly fixed ement ding her and as nx 60 cm 0.000 0.000

SI No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Providing and erect Providing and erect warranty, manufact prismatic retro refl aluminium composand supported on a above ground leve concrete 30cmx30 reflective faces with and clause 801. 45	eting retro etured as p lective spe sit materia a mild stee I by mean x45cm, 45 th epoxy p	reflectorised er IRC 67 U eeting fixed of all sheeting 4 el angle iron s of properly 5 cm below goaint 2 coats	d Object Haz SING Type I over aluminic mm thick wi post 75mmx designed for round level i	ard Marker s V ASTM D Im sheetig, 2 th suitable b 75mmx6mm undation with	sign with (4956-09 r 2 mm thick ack suppo r, firmly fi h M 15 gr nting all n	07 years micro k / rt frame xed 30cm rade cemen on-		
			Total T	o Be Execu	ted Quantity	y in each	0.00		
				Total Execu	ted Quantity	y in each	0.000		
				То	tal Quantity	y in each	0.00		
1.016	8.4.8			3	1,,,				
	with 7years warrar grade sheeting fixe material sheeting 4 25x25x3 and support to the ground by material sheeting 4 25x25x3 and support of the ground by material size 4 painting all expose per approved draw	ed over alu mm thicl orted on C neans of pr sed surface	aminium shek with suitab of pipe pole of troperly designs cm x 60 cm with 2 coats ause 801 inc	eting, 2 mm le back supp 50mm NB co med foundati n, 60 cm belo of epoxy pai	thick/ aluminating frame on firming to on with M low ground lending over eing symbols	of MS an IS 1239 fit 5 grade covel include poxy primetc. 75 cm	posit gle rmly fixed ement ing her and as		
		W-8-7-11	(4.71)	Total Execut			0.000		
					tal Quantity		0.000		
1.017	55.23	***************************************			tai Quantit.	y in caen	0.00		
	Supplying and laying interlocking tile 80mm or nearest size thickness, minimum strength M30 including providing a layer of 6mm aggregate for 5cm thickness, then laying interlock cobbles in lines and levels as per the directions of the departmental officers at site inclusive of all cost & conveyance charges etc. complete.								
	To Be Executed C	Quantity							
	1 17 1 :-	INTERI	LOCK						
	interlock 0/420 to 0/620 L	1.000	200.000	1.000			200.000		
	interlock 1/160 to 1/300 L & R	2.000	140.000	1.200			336.00		
	interlock 2/040 to 2/150 L	1.000	110.000	1.200	÷		132.00		
_	60% REUSE	-1.000	89.000	8.300		0.6000	-443.22		
	Total								
_	Lotal	Total To Be Executed Quantity in sqm							
	Total		Total T	o Be Execu	ted Quantit	y in sqm			
	Total			o Be Execu Fotal Execu			224.780 224.780 0.000		

SI No	Specification	No	Length	Width	Depth	Cf	Quantity		
1.018	2.3.1.A								
	Clearing and grub shrubs, saplings an and disposal of un or auctioned, up to soil not exceeding	nd trees gr serviceable a lead of	rth up to 300 le materials a 1000 metres	mm, remove nd stacking of including rea	of stumps of serviceable moval and di	of trees cue material isposal of	it earlier to be used top organi		
	To Be Executed (, mana	i i i i cui i s		
	1 18 1:- CLEA		ГЕ						
		2.000	1500.000	0.500		0.0001	0.150		
	Total				*		0.150		
			Total To B	e Executed (Quantity in	Hectare	0.150		
			Tota	l Executed (Quantity in	Hectare	0.000		
20 20 00 00000				*Total (Juantity in	Hectare	0.150		
1 019	2.4.1.A			* "					
	T&P and scaffoldi unserviceable mate 1000 metres - Lim Means	erial and sine Concret	tacking the se	erviceable ma	aterial with a	Il lifts and	d lead of		
	To Be Executed C	uantity							
		mantling	existing drain	1					
	ch2/200-ch2/400 wall	2.000	200.000	0.250	0.800		80.000		
	ch2/200-ch2/400 bed	1.000	200.000	0.900	0.100		18.000		
	Total						98.000		
			Total T	o Be Execute	ed Quantity	in cum	98.000		
_				otal Execute			0.000		
			i.	Tot	al Quantity	in cum	98.000		
1.020	3.6		•						
	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m								
	To Be Executed Q								
	1 20 1:-		arth work						
	ch0/345- ch0/500(R) Drain	1.000	155.000	1.000	1.000		155.000		
	ch2/040-								

Sl No	Specification	No	Length	Width	Depth	Cf	Quant.
	ch2/150- ch2/200(L) Drain	1.000	50.000	1.000	1.000		50.000
	ch2/200- ch2/400(R) Drain	1.000	200.000	1.000	0.400		80.000
	for irish drain ch0/100-0/340 R	1.000	240.000	0.600	0.100		14.400
×	for irish drain ch0/100-ch0/260 L	1.000	160.000	1.000	0.100		16.000
	for irish drain ch0/340-ch0/420 L	1.000	80.000	1.000	0.100		8.000
	for irish drain ch0/500-ch1/160 R	1.000	660.000	1.000	0.100		66.000
	for irish drain ch0/620-ch1/160 L	1.000	540.000	*I.000	0.100		54.000
	for irish drain ch1/600-ch1/910 R	2.000	310.000	0.800	0.100		49.600
	for irish drain ch2/200-ch2/650 L	1.000	450.000	0.600	0.100		27.000
	for irish drain ch2/400-ch2/650 R	1.000	250.000	0.600	0.100		15.000
	Trench	2.000	2650.000	1.000	0.300		1590.000
	Total						2285.000
			Total To	o Be Execut	ed Quantity	in cum	2285.00
			T	otal Execut	ed Quantity	in cum	0.000
				To	tal Quantity	in cum	2285.000
1.021	12.4		3				
	Plain cement concr 40 mm nominal siz vibration including	ze mechan	ically mixed,	in foundation placed in fo	n with crushe undation and	d stone a	aggregate ted by
	To Be Executed Q						
•	1 21 1:- PCC						
	ch0/345- ch0/500(R) Drain	1.000	155.000	1.000	0.150		23.25
	ch2/045- ch2/200(R) Drain	1.000	155.000	1.000	, 0.150		23.25
	Cross drain pccCH2/040	1.000	5.000	1.000	0.150		0.75

SINo	Specification	No	Length	Width	Depth	Cf	Quantity
	drain PCC Ch2/200- CH2/400(R) levelling	1.000	200.000	1.000	0.150		30.000
	ch2/150- ch2/200(L) Drain	1.000	50.000	1.000	0.150		7.500
	Total			у	£ *		84.750
			Total T	o Be Execut	ed Quantity	in cum	84.75
	*			Total Execut			0.000
1.022	OD142375/2023-2	1024		To	tal Quantity	in cum	84.750
	Providing concrete drawings and technical spec & amp;lt;br& amp; & amp;lt;br& amp;	ifications gt;II. P.C.	Clause 802, 8 C grade M 15	303, 1 2 02 &a			ete as per
	To Be Executed (Quantity					
	1 22 1 :-	DRAIN	WALL				
	ch0/345- ch0/500(R) Drain	2.000	155.000	0.250	0.800		62.000
	ch2/045- ch2/200(R) Drain	2.000	155.000	0.250	0.800		62.000
	drain Ch2/200- CH2/400(R)	2.000	200.000	0.250	0.800		80.000
	ch2/150- ch2/200(L) Drain	2.000	50.000	0.250	0.800		20.000
	Total						224.000
			Total T	o Be Execut	ed Quantity	in cum	224.000
			T	otal Execut			0.000
1.022	00115500110000			Tot	al Quantity	in cum	224.000
	OD157835/2023-2 Plain/Reinforced C Technical Specifications 20mm/10mm	ement Co	;br> PCC	en Foundation Grade M20 (n complete a Without form	s per Dra nwork) &	wing and alt;br>
	To Be Executed Q		_				
	1 23 1:-	PCC M2	20				
	ch0/345- ch0/500(R) Drain	1.000	155.000	0.500	0.050		3.875
	ch2/045- ch2/200(R) Drain	1.000	155.000	0.500	0.050		3.875
	ch2/150- ch2/200(L) Drain	1.000	50.000	0.500	0.050		1.250
	ch2/200-2/400 R Drain	1.000	200.000	0.500	0.050	٨	5.000



Cost Index (Place): Trivandrum, GST: 18%

SI No	Specification	N.	0	Length	Wid	t h	Donth	T	
	for irish drain ch0/100-0/340 R	1.0	000	240.000		000	Depth (0.15+0	. 1	Cf Quanti
	for irish drain ch0/100-ch0/260	,10	o lo	160.000		000	(0.15+0.	1	20.00
f c I	or irish drain h0/340-ch0/420	1.00	00	80.000	1.0	000	(0.15+6:	1	10.00
c.		1.00	00	660.000	1.0	00	(0.15+0.1 : 0)/2		82.50
cł L	or irish drain n0/620-ch1/160	1.00	0	540.000	.1.00	00	(0.15+0.1	-	67.500
ch	r irish drain 1/600-ch1/910 & L	2.000	0 3	310.000	1.00	00	(0.15+0.1 0)/2		77.500
L	r irish drain 2/200-ch2/650	1.000) 4	50.000	1.00	0	(0.15+0.1 0)/2		56.250
L	irish drain 2/400-ch2/650	1.000	2:	50.000	1.000	0	(0.15+0.1 0)/2		31.250
ker 0/4.	b for interlock 20 to 0/620 L	2.000	20	00.000	0.200)	0.100		
kerl 1/16 & R	o for interlock 60 to 1/3000 L	2*2.00	14	0.000	0.200		0.100		8.000
kerb 2/04	o for interlock 0 to 2/150 L	2.000	11	0.000	0.200		0.100		11.200
Berr 0/62 & R	n concrete 0 to 1/160 L	2.000	540	0.000	0.900	((0.15+0.1		4.400
Bern 1/91(& R	oncrete to 2/040 L	2.000	130	0.000	1.000	(0)	0)/2		121.500
Tota							0)/2		32.500
			To	otal To Be	Evecut	od (Quantity in		566.600
	_			Total	Execute	ed (Quantity in Quantity in	1 cum	566.600
.024 12.8.1	C1				Tot	al Ç	uantity in	cum	0.000 566.600
Plain/	Reinforced Com	ent Conc	crete in	1 Open Fo					300.000
To Re	ical Specification Executed Quan	ns RCC	Grad	e M20 - L	Jsing Co	nere	mplete as p ete Mixer	er Draw	ing and
1 24	1 Vani	er slab				0.			

_ ELSGD/EST/2579/2022 5 1 FRE F (Edit Id : 1) Place) : Trivandrum, GST : 18^{α}_{-6}

SI No	Specification	No	Length	Width	Depth	Cf	Quantity
	ch0/345- ch0/500(R) Drain	1.000	, 155.000	1.000	0.150		23.250
0	ch2/045- _ch2/200(R) Drain	-1:000	155.000	1.000	0.150		23.250
	drain Ch2/200- _CH2/400(R)	1.000	200.000	1.000	0.150	-	30.000
	ch2/150- _ch2/200(L) Drain	1.000	50.000	1.000	2-		7.500
	ch0/260- ch0/340(L) Existing Drain	1.000	80.000	1.000	0.150		12.000
	Total						96.000
			Total To	Be Execu	ted Quantity	in cum	96.000
			T	otal Execu	tgd Quantity	in cum	0.000
				* To	tal Quantity	in cum	96.000
.025	3.13.1.A		<u> </u>				
	specification, inclustumps and other deexcavation earth to	eleterious	matter, dress	ing of sides	and bottom, b	ackfillir	ng the
	road work. Ordinar	ry soil - N	Manual Means	- (Depth u	oto 3 M)		
	road work. Ordinar	ry soil - N	Manual Means Total To	- (Depth up Be Execu	oto 3 M) ted Quantity	in cum	0.000
	road work. Ordinar	ry soil - N	Manual Means Total To	- (Depth u Be Execu otal Execu	ted Quantity	in cum	0.000
1.026	road work. Ordinar	ry soil - N	Manual Means Total To	- (Depth u Be Execu otal Execu	oto 3 M) ted Quantity	in cum	0.000
1.026	OD142006/2023-20 DR Packing under it blasted rubble inclu	ny soil - N 024 Soundatio	Manual Means Total To T n-Dry stone p	- (Depth up Be Executed Execut	ted Quantity ted Quantity ted Quantity tal Quantity er foundation	in cum in cum in cum	0.000 0.000 0.000
1.026	OD142006/2023-20 DR Packing under it	ny soil - N 024 Soundatio	Manual Means Total To T n-Dry stone p veyance of ma	- (Depth up of Be Executed Exe	ted Quantity ted Quantity ted Quantity tal Quantity er foundation	in cum in cum in cum with goo etc	0.000 0.000 0.000 od quality
1.026	OD142006/2023-20 DR Packing under it	ny soil - N 024 Soundatio	Manual Means Total To Total To n-Dry stone poweyance of ma Total To	Depth up Be Execu Otal Execu To acking underterial and leterial and le	ted Quantity ted Quantity ted Quantity tal Quantity er foundation abour charges	in cum in cum in cum with goo etc in cum	0.000 0.000 0.000 od quality 0.000
	OD142006/2023-20 DR Packing under it blasted rubble inclu	ny soil - N 024 Soundatio	Manual Means Total To Total To n-Dry stone poweyance of ma Total To	Be Executaterial and laterial Executaterial and laterial Executates and laterial Executates and	ted Quantity ted Quantity ted Quantity ttal Quantity er foundation abour charges ted Quantity	in cum in cum in cum with goo etc in cum	0.000 0.000 0.000 od quality 0.000
1.026	OD142006/2023-20 DR Packing under iblasted rubble inclu	024 Soundation	Manual Means Total To Total To n-Dry stone p veyance of ma Total To	o Be Executoral Executoral Executoral and laterial and laterial Executoral Ex	ted Quantity ted Quantity ted Quantity tel Quantity er foundation abour charges ted Quantity ted Quantity tal Quantity	in cum in cum in cum with goo etc in cum in cum	0.000 0.000 0.000 od quality 0.000 0.000
	OD142006/2023-20 DR Packing under it blasted rubble inclu	224 Foundatio ding con	n-Dry stone p veyance of ma Total To	To acking unduterial and leterial Executors To a Foundation Foundation 5 - Using Compared to the second compa	ted Quantity ted Quantity ted Quantity tel Quantity er foundation abour charges ted Quantity tel Quantity tal Quantity on complete as Concrete Mixe	in cum in cum with goo etc in cum in cum per Dra	0.000 0.000 0.000 od quality 0.000 0.000
	OD142006/2023-20 DR Packing under it blasted rubble inclu 12.8.E.1.1 Plain/Reinforced Ce	224 Foundatio ding con	n-Dry stone p veyance of ma Total To	To acking unduterial and leterial Executors To a Foundation Foundation 5 - Using Compared to the second compa	ted Quantity ted Quantity ted Quantity tel Quantity er foundation abour charges ted Quantity tel Quantity tal Quantity	in cum in cum with goo etc in cum in cum per Dra	0.000 0.000 0.000 od quality 0.000 0.000
	OD142006/2023-20 DR Packing under it blasted rubble inclu 12.8.E.1.1 Plain/Reinforced Ce	224 Foundatio ding con	n-Dry stone preyance of ma Total To	acking undaterial and I Be Executoral Execut	ted Quantity ted Quantity ted Quantity tel Quantity er foundation abour charges ted Quantity tel Quantity tal Quantity on complete as Concrete Mixe	in cum in cum with goo etc in cum in cum in cum	0.000 0.000 0.000 od quality 0.000 0.000 wing and
1.027	OD142006/2023-20 DR Packing under iblasted rubble inclu 12.8.E.1.1 Plain/Reinforced Ce Technical Specifica	224 Foundatio ding con	n-Dry stone preyance of ma Total To	Be Executors of Ex	ted Quantity ted Quantity ted Quantity tel Quantity er foundation abour charges ted Quantity tel Quantity tal Quantity on complete as Concrete Mixe	in cum in cum with goo etc in cum in cum in cum in cum in cum	0.000 0.000 0.000 0.000 0.000 0.000 wing and 0.000
1.027	OD142006/2023-20 DR Packing under in blasted rubble inclu 12.8.E.1.1 Plain/Reinforced Ce Technical Specifica 12.40 Supply, Fitting and	224 Foundation ding contions. R	n-Dry stone poer and an	acking unduterial and laterial and laterial Executors To a Foundation 5 - Using Compared to the Executors of	ted Quantity ted Quantity ted Quantity ted Quantity er foundation abour charges ted Quantity ted Quantity ted Quantity on complete as concrete Mixe ted Quantity	in cum in cum with goo etc in cum in cum in cum in cum r in cum n cum	0.000 0.000 0.000 od quality 0.000 0.000 wing and 0.000 0.000 0.000
1.027	OD142006/2023-20 DR Packing under it blasted rubble inclu 12.8.E.1.1 Plain/Reinforced Ce Technical Specifica	224 Foundation ding contions. R	n-Coated HY	acking unduterial and land Executor To	ted Quantity ted Quantity ted Quantity ted Quantity ter foundation abour charges ted Quantity ted Quantity tal Quantity tal Quantity ted Quantity	in cum in cum with goo etc in cum in cum per Dra r in cum n cum	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
1.027	OD142006/2023-20 DR Packing under in blasted rubble inclu 12.8.E.1.1 Plain/Reinforced Ce Technical Specifica 12.40 Supply, Fitting and	224 Foundation ding contions. R	n-Dry stone poveyance of ma Total To	To Be Executoral Exec	ted Quantity ted Quantity ted Quantity ted Quantity er foundation abour charges ted Quantity ted Quantity ted Quantity on complete as concrete Mixe ted Quantity	in cum in cum with goo etc in cum in cum per Dra r in cum n cum r cum n cum	0.000 0.000 0.000 od quality 0.000 0.000 wing and 0.000 0.000 0.000

SIN	o Specification	No	Length	Width	Depth	Cf	Quanti
1.02	9 13.5.F.P.1				Бери	CI	Quanti
	Plain/Reinforced Technical Specifi	cement co	ncrete in sub-	structure cor	nnlata as -	1 .	
		The second	orade MIZ.	5 - Using cor	ncrete Mix	er drawing er - Height	and upto 5m
	To be Executed	Quantity					apto 3111
	1 29 1 :- RCC						
	Cross drain bed CH2/040	1.000	5.000	1.000	0.100		0.50
	Cross drain wall CH2/040	2.000	5.000	0.250	0.800)	2.00
	Cross drain bed CH0/620	1.000	5.000	1.000	0.100		0.50
	Cross drain wall CH0/620	2.000	5.000	0.250	0.800		2.00
-	Total			* 6			5.000
			Total To	Be Execute	d Quantit	y in cum	5.000
		_		otal Execute			0.000
1.030	13.6			Tota	el Quantit	y in cum	5.000
	per drawing and Te	echnical Sr	ecifications	einforcement	ın sub-str	ucture com	plete as
	To Be Executed Q	uantity	pecifications	emforcement	in sub-str	ucture com	plete as
	To Be Executed Q	cimical bi	pecifications	emforcement	in sub-str	ucture com	plete as
	To Be Executed Q	uantity	5.000	emforcement	100.000	0.0010 00	
	To Be Executed Q	uantity Orcement	rectrications	emforcement		0.0010	
	To Be Executed Q	uantity Corcement	5.000 96.000		100.000	0.0010 00 0.0010 00	0.500
	To Be Executed Q	uantity Corcement	5.000 96.000 Total To	Be Executed	100.000 100.000	0.0010 00 0.0010 00	0.500 9.600
	To Be Executed Q	uantity Corcement	5.000 96.000 Total To	Be Executed	100.000 100.000 d Quantity	0.0010 00 0.0010 00 v in MT	0.500 9.600 10.100
1.031	To Be Executed Q	uantity Corcement	5.000 96.000 Total To	Be Executed	100.000 100.000	0.0010 00 0.0010 00 v in MT	0.500 9.600 10.100 10.100
	To Be Executed Q 1 30 1:- reinf Total Total 14.1.B.1 Furnishing and Placi	uantity orcement 1.000 1.000	5.000 96.000 Total To	Be Executed tal Executed Tota	100.000 100.000 d Quantity d Quantity	0.0010 00 0.0010 00 v in MT v in MT	0.500 9.600 10.100 10.100 0.000 10.100
	To Be Executed Q 1 30 1:- reinf Total	uantity orcement 1.000 1.000	5.000 96.000 Total To To rced Cement of drawing and	Be Executed tal Executed Tota Concrete Gra Technical Sp	100.000 100.000 d Quantity l Quantity I Quantity ade M25 U	0.0010 00 0.0010 00 v in MT v in MT	0.500 9.600 10.100 10.100 0.000 10.100
	To Be Executed Q 1 30 1:- reinf Total Total 14.1.B.1 Furnishing and Placi	uantity orcement 1.000 1.000	5.000 96.000 Total To To rced Cement (drawing and Total To E	Be Executed Tota Concrete Gra Technical Sp. Be Executed	100.000 100.000 1 Quantity 1 Quantity 2 de M25 Unecification Quantity	0.0010 00 0.0010 00 v in MT v in MT sing Concr	0.500 9.600 10.100 10.100 0.000 10.100 rete
	To Be Executed Q 1 30 1:- reinf Total Total 14.1.B.1 Furnishing and Placi Mixer in super-struct	uantity orcement 1.000 1.000	5.000 96.000 Total To To rced Cement (drawing and Total To E	Be Executed Tota Concrete Gra Technical Space Executed al Executed	100.000 100.000 d Quantity d Quantity dde M25 U pecification Quantity Quantity	0.0010 00 0.0010 00 v in MT v in MT sing Concr	0.500 9.600 10.100 10.100 0.000 10.100 rete 0.000 0.000
1.032	To Be Executed Q 1 30 1:- reinf Total 14.1.B.1 Furnishing and Placi Mixer in super-struct	uantity forcement 1.000 1.000 ng Reinforture as per	5.000 96.000 Total To To rced Cement (drawing and) Total To E	Be Executed Tota Concrete Gra Technical Space Executed al Executed Total	100.000 100.000 d Quantity d Quantity dde M25 Unecification Quantity Quantity Quantity	0.0010 00 0.0010 00 v in MT v in MT sing Concrete in cum in cum in cum	0.500 9.600 10.100 10.100 10.100 rete 0.000 0.000 0.000
1.032	To Be Executed Q 1 30 1:- reinf Total Total 14.1.B.1 Furnishing and Placi Mixer in super-struct	ng Reinfo	5.000 96.000 Total To To rced Cement (drawing and Total To E	Be Executed Tota Concrete Gra Technical Space Executed al Executed Total	100.000 100.000 d Quantity d Quantity dde M25 Unecification Quantity Quantity Quantity	0.0010 00 0.0010 00 v in MT v in MT sing Concrete in cum in cum in cum	0.500 9.600 10.100 10.100 10.100 rete 0.000 0.000 0.000
1.032	To Be Executed Q 1 30 1:- reinf Total 14.1.B.1 Furnishing and Placi Mixer in super-struct 14.2 Supplying, fitting and	ng Reinfo	5.000 96.000 Total To To To drawing and Total To E Total Tysp bar reir fications	Be Executed Tota Concrete Gra Technical Space Executed al Executed Total	100.000 100.000 d Quantity d Quantity Quantity Quantity Quantity Quantity	0.0010 00 0.0010 00 vin MT vin MT vin MT vin MT vin cum in cum in cum	0.500 9.600 10.100 10.100 10.100 rete 0.000 0.000 0.000

SINo	Specification	No	Length	Width	Depth	Cf	Quantity
		77.73 A G		Т	otal Quantit	y in MT	0.000
1 033	OD142127/2023-2	2024	k .				
	laying old cement required line, level, compacted bed of the direction of En department free of	curváture coarse sar gineer-in	colour and p nd filling the	attern over a joints with t	and including fine sand etc.	2 50mm th all compl	ick eteas per
	To Be Executed (Quantity			• •		
	1 33 1 :- laying	old cc in	terlock				
	60 % of existing cc interlock	1.000	443.220		•		443.220
	Total						443.220
				3	ited Quantit		443.220
				Total Execu	téd Quantit	y in sqm	0.000
				Te	otal Quantit	y in sqm	443.220
1.034	OD142168/2023-2	2024					
	taking out existing	sal of unse	ervicable mat	erial to the d	umping grou	ind for wh	moval of nich
	rubbish etc, dispos payment shall be n lead as per direction. To Be Executed (sal of unse made sepe on of Engi	ervicable mat rately and sta	erial to the d acking of ser	umping grou	ind for wh	nich
	rubbish etc, dispos payment shall be r lead as per direction To Be Executed (sal of unse made sepe on of Engi Quantity	ervicable mat rately and sta neer -in char	erial to the d acking of ser	umping grou	ind for wh	nich
	rubbish etc, dispos payment shall be n lead as per direction	sal of unse made sepe on of Engi Quantity	ervicable mat rately and sta neer -in char	erial to the d acking of ser	umping grou	ind for wh	nich
	rubbish etc, dispos payment shall be n lead as per direction. To Be Executed (sal of unse made sepe on of Engi Quantity out CC int	ervicable mat rately and sta neer -in char erlockng	erial to the d acking of ser ge	umping grou	ind for wh	nich n 50meter
	rubbish etc, dispos payment shall be n lead as per direction. To Be Executed (1) 34 1:- taking of ch1/194-ch1/283	sal of unse made sepe on of Engi Quantity out CC int	ervicable mat rately and sta neer -in char erlockng 89.000	erial to the dacking of serge	umping grou	ind for wh	738.700
	rubbish etc, dispos payment shall be n lead as per direction. To Be Executed (1) 34 1:- taking of ch1/194-ch1/283	sal of unse made sepe on of Engi Quantity out CC int	ervicable mat rately and sta neer -in char erlockng 89.000	erial to the dacking of serge 8.300	umping grou vicable mate	ind for wh rial withir	738.700 738.700
	rubbish etc, dispos payment shall be n lead as per direction. To Be Executed (1) 34 1:- taking of ch1/194-ch1/283	sal of unse made sepe on of Engi Quantity out CC int	ervicable mat rately and sta neer -in char erlockng 89.000	erial to the dacking of serge 8.300 To Be Execut Total Execut	umping grouvicable mate	y in sqm	738.700 738.700 738.700
1.035	rubbish etc, dispos payment shall be n lead as per direction. To Be Executed (1) 34 1:- taking of ch1/194-ch1/283	sal of unse made sepe on of Engi Quantity out CC int 1.000	ervicable mat rately and sta neer -in char erlockng 89.000	erial to the dacking of serge 8.300 To Be Execut Total Execut	umping grouvicable mate	y in sqm	738.700 738.700 738.700 0.000
1.035	rubbish etc, dispose payment shall be rulead as per direction. To Be Executed (1) 1 34 1:- taking of ch1/194-ch1/283 Total OD142301/2023-2 Steel work in built etc., including cutting, steel	eal of unsemade sepen of Engine Quantity Out CC int 1.000	ervicable materately and staneer -in characteriocking 89.000 Total Total fixing position	8.300 To Be Execu Total Execu are or rectar n and applyi	uted Quantited Q	y in sqm y in sqm y in sqm y tubes etc	738.700 738.700 738.700 0.000 738.700 e.) trusses
1.035	rubbish etc, dispose payment shall be in lead as per direction. To Be Executed (1) 1 34 1:- taking of ch1/194-ch1/283 Total OD142301/2023-2 Steel work in built etc., including cutting, steel primer, including welder that finished welder the shall be including to the finished welder that the shall be including to the shall be included as the shall be included	enade sepen of Engine Quantity Out CC into 1.000 2024 The up tubulation to the sepen of Engine Point CC into 1.000 welding and the sed type tubulation and type tubulation	ervicable materately and staneer -in characteriocking 89.000 Total Total fixing position and bolted with the service with the service in t	8.300 To Be Execu Total Execu are or rectar n and applyi h special sha	uted Quantitated Q	y in sqm y in sqm y in sqm y tubes etc	738.700 738.700 738.700 0.000 738.700 e.) trusses
1.035	rubbish etc, dispose payment shall be in lead as per direction. To Be Executed (1) 1 34 1:- taking of ch1/194-ch1/283 Total OD142301/2023-2 Steel work in built etc., including cutting, steel primer, including of the control of	enade sepen of Engine Quantity Out CC into 1.000 2024 The up tubulation to the sepen of Engine Point CC into 1.000 welding and the sed type tubulation and type tubulation	revicable materately and staneer -in characteriocking 89.000 Total Total ar (round, squarking, position dolted with bes span 8 metre	8.300 To Be Executor Total Executor and applying the special shape weight = 1	uted Quantitated Q	y in sqm y in sqm y in sqm v tubes etc.	738.700 738.700 738.700 0.000 738.700 e.) trusses
1.035	rubbish etc, dispose payment shall be in lead as per direction. To Be Executed (1) 1 34 1:- taking of ch1/194-ch1/283 Total OD142301/2023-2 Steel work in built etc., including cutting, steel primer, including welder that finished welder the shall be including to the finished welder that the shall be including to the shall be included as the shall be included	enade sepen of Engine Quantity Out CC into 1.000 2024 The up tubulation to the sepen of Engine Point CC into 1.000 welding and the sed type tubulation and type tubulation	revicable materately and staneer -in characteriocking 89.000 Total Total ar (round, squarking, position dolted with bes span 8 metre	8.300 To Be Executor and applying the special shape weight = 1 To Be Executor and applying the special shape weight = 1 To Be Executor and applying the special shape weight = 1 To Be Executor and applying the special shape weight = 1	umping grouvicable mate vicable	y in sqm y in sqm y in sqm tubes etc. coat of a etc. comp	738.700 738.700 738.700 0.000 738.700 e.) trusses

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Assistant Excutive EW)
Assistant Excutive EW)
Municipal Corporation
Municipal Corporation

SUJITH S PEN 629243 Assistant Engineer LID & EW Municipal Corporation Thiruvananthapuram

Cost Index (Place): Trivandrum, GST: 18%

DSoR Year

2018

Cost Index (Place: Trivandrum, Value: 135.59), GST: 18% ABSTRACT ESTIMATE

REBUILD-MUKKIKADA -EDATHARA -CHENGOTTUKONAM ROAD RE-TARRING IN SREEKARYAM ZONAL-SERIAL NO. 24-General Civil Work

10 1 34

SI No	Specification	Quantity	Rațe,	Amount
1	RETARING AND DRAIN		1.	
1 001	3.15			
	Scarifying the existing bituminous scarified material with in all lifts an	road surface to d lead upto 100	a depth of 50 mm an 00 metres by Mechan	d disposal of ical Means
	Net Total	1645.0 sqm	@5.60/sqm	- 9212.00
1 002	4.2.A.1	9		
	Construction of granular sub-base blayers with a motor grader on a preprotavator at OMC, and compacting density, complete as per clause 401 Method	pared surface, R	nixing by mix in-place roller to achieve the	ce method with
	Total Upto 125%	822.584 cum	@3149.44/cum	2590678.95
	Total (Excess Quantity)	218.916 cum	@3146.29/cum	688773.22
1 003	4.12	E 4		
	mechanical mix plant carriage of milayers with paver in sub-base / base	ixed Material by	aterial with water at (y tipper to site, laying prepared surface an	g in uniform
	with vibratory roller to achieve the	e course on well desired density	r tipper to site, laying prepared surface an	g in uniform d compacting
	layers with paver in sub-base / base	course on well desired density. 455.805 cum	prepared surface an @3241.37/cum	g in uniform d compacting
1.004	with vibratory roller to achieve the carry Total Upto 125%	e course on well desired density	r tipper to site, laying prepared surface an	g in uniform d compacting
1.004	with vibratory roller to achieve the carried Total Upto 125% Total (Excess Quantity)	desired density 455.805 cum 585.695 cum with bitumen en	w tipper to site, laying prepared surface an @3241.37/cum @3238.13/cum	g in uniform d compacting 1477432.65 1896556.55
1.004	Total Upto 125% Total (Excess Quantity) 5.1.a Providing and applying primer coat of granular Base including clearing of the same and the same and the same are same as a same and the same are same as a same are same are same are same as a same are same	desired density 455.805 cum 585.695 cum with bitumen en	w tipper to site, laying prepared surface an @3241.37/cum @3238.13/cum	g in uniform d compacting 1477432.65 1896556.55
1.004	Total Upto 125% Total (Excess Quantity) 5.1.a Providing and applying primer coat of granular Base including clearing 0.70 - 1.0 kg/sqm using mechanical	desired density 455.805 cum 585.695 cum with bitumen er of road surface means.	w tipper to site, laying prepared surface and a surface and a surface and a surface and a surface and	g in uniform d compacting 1477432.65 1896556.55 pared surface at the rate of 186940.82
1.004	Total Upto 125% Total (Excess Quantity) 5.1.a Providing and applying primer coat of granular Base including clearing 0.70 - 1.0 kg/sqm using mechanical Total Upto 125%	with bitumen end of road surface means. 3038.7 sqm 4551.300	w tipper to site, laying prepared surface and a surface and a surface and a surface and a surface and surface a surfac	g in uniform d compacting 1477432.65 1896556.55 pared surface at the rate of 186940.82
	Total Upto 125% Total (Excess Quantity) 5.1.a Providing and applying primer coat of granular Base including clearing 0.70 - 1.0 kg/sqm using mechanical Total (Excess Quantity) Total (Excess Quantity)	with bitumen end and sqm 455.805 cum 585.695 cum with bitumen end squares 4551.300 sqm th bitumen emu 5 - 0.30 kg per	(a) 3241.37/cum (a) 3238.13/cum (a) 3238.13/cum (b) mulsion (SS) on preand spraying primer (a) 61.52/sqm (a) 61.46/sqm	g in uniform d compacting 1477432.65 1896556.55 pared surface at the rate of 186940.82 279722.90
	Total Upto 125% Total (Excess Quantity) 5.1.a Providing and applying primer coat of granular Base including clearing 0.70 - 1.0 kg/sqm using mechanical Total (Excess Quantity) 5.2.b Providing and applying tack coat wire pressure distributor at the rate of 0.2	with bitumen end and sqm 455.805 cum 585.695 cum with bitumen end squares 4551.300 sqm th bitumen emu 5 - 0.30 kg per	(a) 3241.37/cum (a) 3238.13/cum (a) 3238.13/cum (b) mulsion (SS) on preand spraying primer (a) 61.52/sqm (a) 61.46/sqm	g in uniform d compacting 1477432.65 1896556.55 pared surface at the rate of 186940.82 279722.90
	Total Upto 125% Total (Excess Quantity) 5.1.a Providing and applying primer coat of granular Base including clearing 0.70 - 1.0 kg/sqm using mechanical Total (Excess Quantity) 5.2.b Providing and applying tack coat wipressure distributor at the rate of 0.2 Surface cleaned with mechanical brownish.	with bitumen end sqm 455.805 cum 585.695 cum with bitumen end surface means. 3038.7 sqm 4551.300 sqm th bitumen emus. 5 - 0.30 kg per spom.	(a)3241.37/cum (a)3238.13/cum (a)3238.13/cum (a)3238.13/cum (b) mulsion (SS) on preand spraying primer (a)61.52/sqm (a)61.46/sqm (b) using emisqm on the prepared	g in uniform d compacting 1477432.65 1896556.55 pared surface at the rate of 186940.82 279722.90 ulsion Granular

Sl No	Specification	Quantity	Rate	Amount
	Providing and laying bituminous man average output of 75 tonnes per premixed with a bituminous binder previously prepared surface with paralignment and rolled as per clauses compaction For Grading II - (19 mi	hour using crush (VG 30), transported to the transp	hed aggregates of spo ported to the site, laid the required grade, le 7 to achieve the desir	ecified grading l over a vel, and
	Net Total	592.768 cum	@8316.59/cum	4929808.42
.007	5.6.2.a		174	
	Providing and laying bituminous coan average output of 75 tonnes per grading, premixed with a bituminou transporting the hot mix to work sit sensor control to the required grade wheeled, vibratory and tandem rolle MORTH specification clause No. 5 mm Nominal Size)	hour using crust us binder(NRM e, laying with a , level, and alig ers to achieve th	hed aggregates of sports. B) @ 5.4 percent of hydrostatic paver fir nment, rolling with some desired compaction.	ecified mix and filler, nisher with mooth n as per
	Net Total	304.326 cum	@12725.56/cum	3872718.77
.008	5.2.a			
	Providing and applying tack coat w pressure distributor at the rate of 0.2 surface cleaned with mechanical broad	20 - 0.30 kg per		
	Net Total	17373.4 sqm	@11.57/sqm	201010.24
.009	8.13			
	Providing and laying of hot applied reflectorising glass beads on Bitum thickness of 2.5 mm is exclusive of finished surface to be level, uniform	inous Surface @ surface applied	0 250 gms per sqm a I glass beads as per II	rea, the
	Net Total	0.0 sqm	@503.83/sqm	0.00
.010	8.35			
	Providing and fixing reflective road made out of ASA/HIPS/ABS mould 4280, strong enough to support a lo accordance with ASTM D 4280, refresserivity conforming to clause 80 adhesive etc. with 2 years warranty performance as per clause 804.7.3 Net Total	led body with sad of more than lective panel color, including information the road stu	hanks and conforming 13.635 T when tested on firming to ASTM Installation, drilling, it das well as for in field Road Stud with Lenson	ng to ASTM Ded in D 788, and fixing with
1.011	8.4.1		(1)	
WII	Providing and fixing of retro- reflecting with 7 years warranty manufact prismatic grade sheeting vide clause thick/aluminum composite material supporting frame of MS angle 25x2 confirming to IS 1239 firmly fixed foundation with M 15 grade cement below ground level including painting	ured as per IRC e 801.3.3 fixed of sheeting 4 mm 5x3 and support to the ground by concrete min s	2:67 made of Type I over aluminum sheet thick with suitable, beted on GI pipe pole 5 means of properly of ize 45 cm x 45 cm x	V micro ing, 2 mm ack 50mm NB designed 60 cm, 60 cm

EST No.: LSGD/CELSGD/EST/2579/2022_5_1_1/RE 1 (Edit Id : 1)

Cost Index (Place): Trivandrum, GST: 18%

SINo	Specification	Quantity	Rate	Amount
	painting over epoxy primer and as plettering symbols etc. 90 cm equilat	per approved dra eral triangle	awing and clause 80	l including
	Net Total	0.0 each	@4602.72/each	0.00
1.012	8.4.3			
	Providing and fixing of retro- reflect sign with 7 years warranty manufact prismatic grade sheeting vide clause thick/ aluminium composit material supporting frame of MS angle 25x2 confirming to IS 1239 firmly fixed foundation with M 15 grade cement below ground level including paintipainting over epoxy primer and as plettering symbols etc. 60 cm circular	ured as per IRC 2 801.3.3 fixed of sheeting 4 mm 5x3 and support to the ground by concrete min sing all exposed sing all exposed sing	2:67 made of Type I over aluminium sheet thick with suitable leted on GI pipe pole of means of properly fize 45 cm x 45 cm x	V micro eting, 2 mm back 50mm NB designed 60 cm, 60 cm
	Net Total	0.0 each	(a)4313.72/each	0.00
1.013	8.4.4			
	Providing and fixing of retro-reflecting with 7 years warranty manufact prismatic grade sheeting vide clause thick/aluminium composit material supporting frame of MS angle 25x2 confirming to IS 1239 firmly fixed to foundation with M 15 grade cement below ground level including painting painting over epoxy primer and as plettering symbols etc. 80 mm x 60 mm.	ured as per IRC 801.3.3 fixed of sheeting 4 mm 5x3 and support the ground by concrete min sing all exposed ser approved dra	:67 made of Type I over aluminium shee thick with suitable be ted on GI pipe pole of means of properly of ze 45 cm x 45 cm x urface with 2 coats of	V micro eting, 2 mm back 50mm NB designed 60 cm, 60 cm
	Net Total	0.0 each	@5163.48/each	0.00
1.014	8.4.12			
•	Providing and fixing of retro-reflect sign with 7 years warranty manufacture prismatic grade sheeting fixed over a composite material sheeting 4 mm thangle 25x25x3 and supported on GI firmly fixed to the ground by means cement concrete min size 45 cm x 45 including painting all exposed surfact primer and as per approved drawing 50cmx 60 cm rectangular (Single chemical primer and second p	ared as per IRC aluminum sheet aick with suitab pipe pole 50mm of properly des 5 cm x 60 cm, 6 te with 2 coats cand clause 801	:67 made of Type I'ing, 2 mm thick/aluralle back supporting for NB confirming to igned foundation with combelow ground of epoxy painting over the state of the st	V micro minum rame of MS IS 1239 th M 15 grade level er epoxy
	Net Total	0.0 each	@4387.04/each	0.00
t	55.10.2		1	
	Providing and erecting retro-reflector Providing and erecting retro-reflector warranty, manufactured as per IRC 6 prismatic retro reflective sheeting fix aluminium composit material sheeting and supported on a mild steel angle is above ground level by means of prop	rised Object Ha 7 USING Type ed over alumin g 4 mm thick w ron post 75mm;	zard Marker sign wi IV ASTM D 4956- ium sheetig, 2 mm the vith suitable back sup x75mmx6mm, firmle	ith 07 years 09 micro hick / pport frame y fixed 30cm

SINo	Specification	Quantity	Rate	Amount
	cement concrete 30cmx30x45cm, 45 non-reflective faces with epoxy pain drawing and clause 801. 450mm x 9	t 2 coats over e	nd level including pa poxy primer as per a	ninting all pproved
	A Set Total	0.0 each	@3420.38/each	0.00
1 016	Providing and fixing of retro- reflect sign with 7 years warranty manufacture prismatic grade sheeting fixed over a composit material sheeting 4 mm this angle 25x25x3 and supported on GI firmly fixed to the ground by means cement concrete min size 45 cm x 45 cm	ared as per IRC aluminium sheek with suitable pipe pole 50mm of properly des 5 cm x 60 cm, 6 cm with 2 coats	ting, 2 mm thick/alue back supporting from NB confirming to signed foundation with the proxy painting over the proxy painting	iminium ame of MS IS 1239 th M 15 grade level
	primer and as per approved drawing 75 cm octagon	and clause, 801	<i>5</i>	
	Net Total	0.0 each	@5103.09/each	0.00
],017	Supplying and laying interlocking to strength M30 including providing a laying interlock cobbles in lines and officers at site inclusive of all cost &	layer of 6mm a levels as per th	ne directions of the d	epartmental
	Net Total	224.78 sqm		216782.33
.018	2.3.1.A	224.76 3411	(10)	e.a
	Clearing and grubbing road land inc shrubs, saplings and trees girth up to and disposal of unserviceable mater used or auctioned, up to a lead of 10 organic soil not exceeding 150 mm Means	o 300 mm, remails and stacking the contraction of t	oval of stumps of the ag of serviceable mat ading removal and d	erial to be isposal of top
	Net Total	0.15 Hectare	@143836.78/Hec tare	21575.52
1.019	2.4.1.A			
	Dismantling of existing structures I structure comprising of masonry, con T&P and scaffolding wherever necessary unserviceable material and stacking 1000 metres - Lime Concrete, cem Means	ement concrete. essary, sorting to the serviceable	the dismantled mater material with all life	rial, disposal of its and lead of
	Total Upto 125%	21.5 cum	@860.17/cum	18493.60
	Total (Excess Quantity)		@859.31/cum	65737.22
1.020	3.6 Excavation for roadwork in soil wi		anyster of 0.0 cum b	•
	Excavation for roadwork in soil wi including cutting and loading in tip	th hydraulic ex	cavator of 0.9 cum o	ucket capacity

SI No	Specification	Quantity	Rate	Amount
	Total Upto 125%	1075.313 cum	@48.56/cum	52217.20
	Total (Excess Quantity)	1209.688 cum	@48.51/cum	58681.96
1.021	12.4		_	
	Plain cement concrete 1:3:6 nomina 40 mm nominal size mechanically n vibration including curing for 14 day	nixed, placed in	tion with chushed sto foundation and com	one aggregate apacted by
	Net Total	84.75 cum	@6451.17/cum	546736.66
1.022	OD142375/2023-2024			
	Providing concrete for plain/reinford drawings and technical specifications Clause & & amp;lt;br>II. P.C.C grade & amp;lt;br> (i) Nominal mi	802, 803, 1,202 M 15		mplete as per
	Net Total	224.0 cum	@7540.39/cum	1689047.36
1.023	OD157835/2023-2024			
	Plain/Reinforced Cement Concrete Technical Specifications &It br> using 20mm/10mm aggregate	PCC Grade M	20 (Without formwo	rk)
	Total Upto 125%	182.486 cum	@7754.04/cum	1415003.74
	Total (Excess Quantity)	204 114 cum	@7746.29/cum	2075450 44
	Total (Excess Quantity)	304.114 Cum	(a) / /40.29/Cum	29/5458.44
1.024	12.8.1.C.1			
1.024		in Open Founda	ation complete as per	r Drawing and
1.024	12.8.1.C.1 Plain/Reinforced Cement Concrete	in Open Founda	ation complete as per g Concrete Mixer	2975458.44 r Drawing and 776908.80
1.024	12.8.1.C.1 Plain/Reinforced Cement Concrete Technical Specifications RCC Gra	in Open Founda de M20 - Using	ntion complete as per g Concrete Mixer	r Drawing and
	12.8.1.C.1 Plain/Reinforced Cement Concrete Technical Specifications RCC Gra Net Total	in Open Founda de M20 - Using 96.0 cum ion of structure construction of , dressing of siced and utilising	es as per drawing and shoring and bracing les and bottom, back the remaining earth upto 3 M)	776908.80 d technical , removal of filling the locally for
	Plain/Reinforced Cement Concrete Technical Specifications RCC Gra Net Total 3.13.1.A Earth work in excavation of foundar specification, including setting out, stumps and other deleterious matter excavation earth to the extent require	in Open Founda de M20 - Using 96.0 cum ion of structure construction of , dressing of siced and utilising	ation complete as per general Concrete Mixer (a) 8092.80/cum es as per drawing and shoring and bracing des and bottom, back the remaining earth	776908.80 d technical , removal of filling the
	Plain/Reinforced Cement Concrete Technical Specifications RCC Gra Net Total 3.13.1.A Earth work in excavation of foundar specification, including setting out, stumps and other deleterious matter excavation earth to the extent requir road work. Ordinary soil - Manual Net Total OD142006/2023-2024	96.0 cum sion of structure construction of, dressing of side and utilising Means - (Depth 0.0 cum	es as per drawing and shoring and bracing des and bottom, back the remaining earth upto 3 M) (a)764.77/cum	776908.80 d technical , removal of filling the locally for
1.025	Plain/Reinforced Cement Concrete Technical Specifications RCC Gra Net Total 3.13.1.A Earth work in excavation of foundar specification, including setting out, stumps and other deleterious matter excavation earth to the extent requirement road work. Ordinary soil - Manual Net Total	in Open Founda de M20 - Using 96.0 cum ion of structure construction of , dressing of sic ed and utilising Means - (Depth 0.0 cum	es as per drawing and shoring and bottom, back the remaining earth upto 3 M) @764.77/cum	r Drawing and 776908.80 I technical removal of filling the locally for 0.00 a good quality
1.025	Plain/Reinforced Cement Concrete Technical Specifications RCC Grans Net Total 3.13.1.A Earth work in excavation of foundar specification, including setting out, stumps and other deleterious matter excavation earth to the extent requir road work. Ordinary soil - Manual Net Total OD142006/2023-2024 DR Packing under foundation-Dry states and setting of the extent requirement of the extent of the extent requirement of the extent r	in Open Founda de M20 - Using 96.0 cum ion of structure construction of , dressing of sic ed and utilising Means - (Depth 0.0 cum	es as per drawing and shoring and bracing des and bottom, back the remaining earth upto 3 M) (a) 764.77/cum	r Drawing and 776908.80 I technical removal of filling the locally for 0.00 a good quality
1.025	Plain/Reinforced Cement Concrete Technical Specifications RCC Gra Net Total 3.13.1.A Earth work in excavation of foundar specification, including setting out, stumps and other deleterious matter excavation earth to the extent requir road work. Ordinary soil - Manual Net Total OD142006/2023-2024 DR Packing under foundation-Dry splasted rubble including conveyance.	96.0 cum sion of structure construction of, dressing of sice and utilising Means - (Depth 0.0 cum	es as per drawing and shoring and bracing des and bottom, back the remaining earth upto 3 M) (a) 764.77/cum	776908.80 d technical , removal of filling the locally for 0.00
1.025	Plain/Reinforced Cement Concrete Technical Specifications RCC Gra Net Total 3.13.1.A Earth work in excavation of foundar specification, including setting out, stumps and other deleterious matter excavation earth to the extent requir road work. Ordinary soil - Manual Net Total OD142006/2023-2024 DR Packing under foundation-Dry splasted rubble including conveyance Net Total	in Open Founda de M20 - Using 96.0 cum ion of structure construction of dressing of sic ed and utilising Means - (Depth 0.0 cum stone packing u e of material an 0.0 cum	es as per drawing and shoring and bracing des and bottom, back the remaining earth upto 3 M) (a) 764.77/cum ander foundation with d labour charges etc (a) 2715.30/cum	776908.80 I technical removal of filling the locally for 0.00 n good quality 0.00
1.025	Plain/Reinforced Cement Concrete Technical Specifications RCC Gra Net Total 3.13.1.A Earth work in excavation of foundar specification, including setting out, stumps and other deleterious matter excavation earth to the extent requir road work. Ordinary soil - Manual Net Total OD142006/2023-2024 DR Packing under foundation-Dry splasted rubble including conveyance Net Total 12.8.E.1.1 Plain/Reinforced Cement Concrete	in Open Founda de M20 - Using 96.0 cum ion of structure construction of dressing of sic ed and utilising Means - (Depth 0.0 cum stone packing u e of material an 0.0 cum	es as per drawing and shoring and bracing des and bottom, back the remaining earth upto 3 M) @764.77/cum ation complete as per drawing and bracing des and bottom, back the remaining earth upto 3 M) @2715.30/cum	776908.80 d technical removal of filling the locally for 0.00 n good quality

SLNo	Specification	Quantity	Rate	Amount
	Supply, Fitting and Placing un- coat complete as per Drawing and Techn	ical Specificati	Reinforcement in Fou ons	ındation
	Net Total	0.0 MT	@88174.81/MT	0.00
1 029	13.5.F.P.1	- At		
	Plain/Reinforced cement concrete in Technical Specifications RCC Grad			
	Net Total	5.0 cum	(a)9068.26/cum	45341.30
1 030	13.6		A STATE OF THE STA	
	Supplying, fitting and placing HYSI per drawing and Technical Specification		ment in sub-structure	complete as
	Total Upto 125%	3.789 MT	@88571.82/MT	335598.63
	Total (Excess Quantity)	6.311 MT	@88483.25/MT	558417.79
1 031	14.1.B.1		<i>€</i>	
	Furnishing and Placing Reinforced Omixer in super-structure as per draw	Cement Concre ring and Techni	te Grade M25 Using cal Specification	Concrete
2	Net Total	0.0 cum	@8210.86/cum	0.00
1 032	14.2		a makes	
	Supplying, fitting and placing HYSI as per drawing and technical specifi		ment in super-structu	ire complete
	Net Total	0.0 MT	@91408.30/MT	0.00
1 033	OD142127/2023-2024			
	laying old cement concrete interlock required line, level, curvature, colour compacted bed of coarse sand, fillin the direction of Engineer-in -charge	and pattern ove g the joints wit	r and including 50m h fine sand etc.all co	m thick mpleteas per
	department free of cost)	(old pavel bloc	ok shari be sappries s	by the
		443.22 sqm	@193.32/sqm	85683.29
1 034	department free of cost)			by the
1 034	department free of cost) Net Total	paver block / ce e material to the	@193.32/sqm entral verge ,includir dumping ground fo	85683.29 ng removal of r which
1 034	OD142168/2023-2024 taking out existing CC interlocking rubbish etc, disposal of unservicable payment shall be made seperately an	paver block / ce e material to the	@193.32/sqm entral verge ,includir dumping ground fo	85683.29 ng removal of r which rithin 50meter
1 034	Met Total OD142168/2023-2024 taking out existing CC interlocking rubbish etc, disposal of unservicable payment shall be made seperately at lead as per direction of Engineer -in	paver block / ce material to the d stacking of s charge	@193.32/sqm entral verge ,includir dumping ground fo ervicable material w	85683.29 ng removal of r which
	department free of cost) Net Total OD142168/2023-2024 taking out existing CC interlocking rubbish etc, disposal of unservicable payment shall be made seperately at lead as per direction of Engineer -in Net Total OD142301/2023-2024 Steel work in built up tubular (round etc., including cutting, hoisting, fixing posteel primer, including welding and bolte Hot finished welded type tubes	paver block / ce material to the distacking of scharge 738.7 sqm d, square or reconstition and applied with special series.	@193.32/sqm entral verge ,includir e dumping ground fo ervicable material w @115.32/sqm tangular hollow tube lying a priming coat shaped washers etc. of	85683.29 ng removal of r which ithin 50meter 85186.88 s etc.) trusses of approved
	department free of cost) Net Total OD142168/2023-2024 taking out existing CC interlocking rubbish etc, disposal of unservicable payment shall be made seperately ar lead as per direction of Engineer -in Net Total OD142301/2023-2024 Steel work in built up tubular (round etc., including cutting, hoisting, fixing posteel primer, including welding and bolte	paver block / ce material to the distacking of scharge 738.7 sqm d, square or reconstition and applied with special series.	@193.32/sqm entral verge ,includire dumping ground for ervicable material w @115.32/sqm tangular hollow tube bying a priming coat shaped washers etc. of the control of th	85683.29 ng removal of r which ithin 50meter 85186.88 s etc.) trusses of approved

EST No. LSGD/CELSGD/EST/2579/2022_5_1_1/RE 1 (Edit Id: 1)

Cost Index (Place): Trivandrum, GST: 18%

	Specification	Quantity	Rate	Amount
SI No	Specification		Heading Total(Rs)	25186167.4 9
		То	tal Estimation PAC	25186167.49
	Description		Percentage/LS	Amount
SINo				
2	Lumsum Heading			
	LS provision for part TS			88000.00
2.001		Tot	al Lumsum Amount	88000.00
	Extra Charges			~
2.001	Provision for GST	25186167.4	9 18:00%	4533510.1:
2.001		23180107.	Grand Total	29807677.
		1	Round off	2322.3
			Rounded Total(Rs)	29810000.0
	Rupees Two Crore Ninety Eight	Lakh Ten Thou	a class will all research.	

Assistant Excutive Engineer
LSGD (LID & EW)
Municipal Corporation
Thiruvananthapuram

SUJITH S PEN 629243 Assistant Engineer LID & EW Municipal Corporation Thiruvananthapuram