REFERENCES

A press release for regulator signed agreement with local authorities for land use in Cairo (2008), available at http://www.mcit.gov.eg/PressreleaseDetailes.aspx?id=hBpTbiMvWFY= Accessed on 26/9/2009.(Information Technology Department, India 2001)

Consultation paper published on ICT infrastructure sharing by Bhutan InfoComm and Media Authority, Royal Government of Bhutan in 2009

Communication Updates published by TeleGeography, available at http://www.telegeography.com. Accessed on 12/2/2010.

Discussion paper published in 2008, 8th Forum of Telecommunications/ICT Regulations in Africa, available at http://www.itu.int/ITU-D/afr/events/FTRA/Nairobi-2008/index.html. Accessed on 26/9/2009

Discussion paper published in "Underground Infrastructure Middle East 2010" Conference & Exhibition by Ministry of Works Bahrain in2010.

Discussion Paper published in 2008, 8th Global Symposium for Regulators, Best Practice Guidelines on innovative infrastructure sharing strategies to promote affordable access for all. Available at http://www.itu.int/ITU-D/treg/bestpractices.html, Accessed on 3/7/2009

FTTH Business Guide/FTTH Operator Models published at http://wiki.ftthcouncil.eu/index.php/FTTH_Business_Guide/FTTH_Operator_Models Accessed on 10/06/2010

Final report for Ofcom Telecoms infrastructure access – sample survey of duct access, March 2009 published by Analysis Mason Limited

Kochi Prefecture, "Development of a High-Speed Information and Communications Network in Kochi Prefecture: Survey Report," 2003

Oniki, Hajime, "The Economics of Building the Information Highway," Nippon Hyoronsha, 1996 Paper published by Infrastructure Investment Facilitation Center (IFC), Bangladesh in 2007 Paper published on Working Party on Communication Infrastructures and Services Policy & public right of way for fiber deployment to the home by directorate for science, technology and industry committee for information, and computer and communication in 2008

Street Works Position Paper in support of "Underground Technologies" January 2009 European GAS research group.

Singapore Telecommunication Act, amended in 2005 published at http://statutes.agc.gov.sg/ Accesses on 2/10/2010.

Telecommunications Council in Japan, "Reforms for the Knowledge-Based Society of the Twenty-first Century," 1994

Valuation of Telecommunications Infrastructure Sharing Arrangements 2008, Daniel J. Korczyk, CPA, ABV, ASA, Available at www.american-appraisal.us/userfiles/, Accessed on 21/1/2010

APPENDIX A: QUESTIONNAIRES

General Public Questionnaire

Please rate the degree of your agreement with the following statement: (Please mark your answer in the relevant box)

	The state of the s					
		Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
Q1	Laying optical Fiber networks in the country are beneficial to the general public			4		
Q2	I like if the fiber connectivity is there in my home area via underground fiber optic cables					
Q3	The way operators used to lay the cables in road is acceptable					
Q4	Property values of our properties will increase with the fiber connectivity to home					
Q5	Damages happen to underground properties like water supply, electricity supply, drainage lines and other communication links during installations can be accepted					
Q6	Uneven road surfaces after fiber cable laying can be accepted in carpeted roads					
Q7	I am fully aware on new tiber cable laying in my area					
Q8	I think government is responsible in monitoring fiber cable installation works on roads	T (/				
Q9	I think government should aware general public on new fiber cable laying projects via radio/television/newspaper/websites					
Q10	Enough objections are there from general public on new cable laying projects					
Q11	I would oppose laying of new fiber cables on roads					
Q12	I think operators should share the fiber cable capacity without laying their own cables in the areas where fiber cables have been laid already.					
Q13	I feel there is no place to inform issues/problems general public faced in laying new cables on roads					
Q14	I think public awareness doesn't happen for most of new fiber cable laying projects					- 21/2

Q15	process		457		
Q16	I think government rules and regulations are not sufficient to take actions against public, private property damages during cable laying.				
P17	Police control the traific on roads during fiber cable laying				
P1/	to the district of the distric	1000			
Q18	Government should control the sharing of fiber cables among operators in providing their services to customers.		7		
				Marie	
	Sharing of Fiber cable networks is mandatory for Sri Lanka among operators				
Q20	I like if government acquire all the fiber laid in Sri Lanka and set up a sharing scheme among operators	7 1			
			-1		
	Please enter some general information about yourself	-			

	Please enter some general information about yourself		
Q21	Age	Years	
Q22	Gender	Male Fe	emale
Q23	Home Town	Urban 8	Rural
Q24	Select the group that best represent you	Student	
		Dccupied	
Q25	Do you use any Telecommunication Service?	yes	No

		ඉතාමත් වසයා වෙ.	ටතය ජේව.	රිතය වමත් හෝ රිතයා හෝවමත් නොමක.	ව්යාන නොවේ.	ලුතාමත් විවාහ හොජව.
1	රට තුලපාලෝක තන්තු "Optical Fiber" ජාල විළිම සාමානප පොදු ජනතාවට පුයෝජනවත් වේ.					6
2	මාගේ හිවෙස් පුද්ශයේ ගුගත ආකාරයට ආලෝක තන්තු යම්බන්ධතා තිබේ නම් මා ඒ සඳහා කැමති වෙමි.					
3	දුරකථන සමාගම්, මාර්ගවල ආලෝක තන්තු රැහැන් යොදන ආකාරය පිළිබුඳ විකශ වෙමි.					
1	නිවෙස් වලට ඇති පාලෝක තන්තු රැහැන් සම්බන්ධතා නිසා ඒ අවට ඇති දේපළ වටිනාකම් වැඩ වෙ.					
5	පාලෝක කන්තු රැහැන් භූගතව යෙදීමේදී, භූගත ප්ල නල වලට, වදුලි සම්බන්ධතා වලට, අපදුවන බැතැර කරන කානු පද්ධති වලට හා අනෙකුත් සම්බන්ධතා වලට වන හානි පිළිගත හැකිය. (ඒ සඳහා වකග වෙම.)					
6	ආලෝක තන්තු රැහැන් භූගතව යෙදිමෙන් පසු මනාව සැකපූ මහා මාර්ග වල ඒකාකාර මතු පිටක් නොමැති. වම ගැන වකයා වෙමි.					
7	මාගේ පුදේශය තුල (ජවත් වන / ගැවසෙන) නව ආලෝක තන්තු. රැහැන්. එලිම් පිළිබඳ මා දැනුවත්ය					
8	මාර්ග වල ආලෝක තන්තු රැහැන් වලිම් පඨකෂණය පිළිබඳව රජය වගකිවයුතු යැයි මම ගිතමි.					
9	තුවන් වදුශිය, රූපවානිතිය, පුවත්පත් හා වෙබ් අඩව මාර්ගයෙන් තව අශෝක කන්තු රැගරන් විශිම පිළිබදව රජය මගජනතාව දැනුවත් කශ යුතුයැයි මම සිතම.					
10	නව ආගෝක තන්තු රැහැන් විලිම පිලිබඳ මගප්නතාවගෙන් සැලකිය යුතු වරුද්ධත්වයක් ඇත.					
11	මාර්ගවල ආලෝක තන්තු රැහැන් වලිම පිළිබඳ මා වරුද්ධ වෙමි.					
12	දුරකථන සමාගම දැනට ආශෝක තන්තු රැහැන් විශා ඇති පුදේශවල නව ආශෝක තන්තු රැහැන් නොවලා, පවතින රැහැන් ඔවුනොවුන් අතර ඩෙදා ගෙන පොදුවේ පරිහරණය කළ යුතුවේ යැයි සිතම්.					
13	තව අලෝක ගන්තු රැගැන් යෙදිමේදි මහ ජනාතාවට සිදු වන පුශ්ණ/ගැටව දැනුම දිම සඳහා කිසිදු ස්ථානයක් නොමැති යැයි මම සිතමි.					

වොහොමයක් ආලෝක තන්තු රුහැන් යෙදීමේ වනපෘති පිළිබඳව මහප්තතාව				
දැනුවත් කිරීමක් සිදු නොවේ යැයි ඔතම.				
මහජනතාව ඔනෑම ආරෝක තන්තු රැහැන් යෙදීමේ ව්යාපෘතියක් පිළිබඳව වමසීම සඳහා රජය පුමාණවත් කාලයක් යපයා දී ඇත.				
තව පාලෝක තන්තු රැහැන් යෙදිමේදි පොදු හා පෞද්ගලික දේපල සඳහා වන ගානි වලව පියවර ගැනීමට පුමාණවත් නීති හා නියාමනයන් රජය වසින් සකයා නොමැත.				
මාර්ගවල ආලෝක තන්තු රැහැන් යෙදීමේදි පොලිසිය රථවාගන හැයිරවීම කෙරේ.				
දුරකථන සමාගම් තම සේවා සැපයීම සඳහා, පාලෝක තන්තු රැගැන් බෙදා ගෙන පරිභෝජනය කිරීම රජයේ පාලනය මත සිදු විය යුතුය.				
සියව දුරකථන සමාගම ආලෝක තන්තු රැහැන් බෙදාගෙන පොදු චශයෙන් පරිභෝජනය කිරීම පනිචාර්යය කල යුතුය.				
			4	
දැනට විලා ඇති සියළු ආලෝක තන්තු රැහැන් රජය පවරාගෙන අනෙකුත් දුරකථන සමාගම්වලට පොදුවේ පරිතෝජනය කිරීම සඳහා තුියා පිළිවෙතත් සකස් කළ යුතු යැයි මම සිතමි.				
	දැනුවත් කිරීමක් සිදු නොවේ යැයි සිතමි. මහජනතාව ඕනෑම ආලෝක තන්තු රැහැන් යෙදීමේ ව්යාපෘතියක් පිළිබඳව වමසීම සඳහා රජය පුමාණවත් කාලයක් සපයා දී ඇත. නව ආලෝක තන්තු රැහැන් යෙදීමේදී පොදු හා පෞද්ගලික දේපල සඳහා වන හානි වලට පියවර ගැනීමට පුමාණවත් නීති හා නියාමනයන් රජය වසින් සකයා නොමැත. මාර්ගවල ආලෝක තන්තු රැහැන් යෙදීමේදී පොලිසිය රථවාහන හැයිරවීම කෙරේ. පුරකථන සමාගම් තම යේවා සැපයීම සඳහා, ආලෝක තන්තු රැහැන් නෙදා ගෙන පරිගෝජනය කිරීම රජයේ පාලනය මත සිදු විය යුතුය. සියළු දුරකථන සමාගම් ආලෝක තන්තු රැහැන් නෙදාගෙන පොදු වශයෙන් පරිගෝජනය කිරීම අනිවාර්යය කල යුතුය.	දැනුවත් කිරීමක් ගිදු නොවේ යැයි හිතමි. මහජනගාව ඕනෑම ආලෝක ගන්තු රුහැන් යෙදීමේ ව්යාපෘතියක් පිළිබඳව වමගීම හදහා රජය පුමාණවත් කාලයක් යපයා දී ඇත. නව ආලෝක තන්තු රුහැන් යෙදීමේදී පොදු හා පෞද්ගලික දේපල ගඳහා වන හානි වලට පියවර ගැනීමට පුමාණවත් නීති හා නියාමනයන් රජය විසින් ශකයා නොමැත. මාර්තවල ආලෝක තන්තු රුහැන් යෙදීමේදී පොලිහිය රථවාගන හැයිරවීම කෙරේ. පුරකථන සමාගම් තම යේවා සැපයීම සඳහා, ආලෝක තන්තු රුහැන් නිදා ගෙන පරිගෝජනය කිරීම රජයේ පාලනය මත හිදු විය යුතුය. සියළු දුරකථන සමාගම් ආලෝක තන්තු රුහැන් බෙදාගෙන පොදු වශයෙන් පරිගෝජනය කිරීම අනිවාර්යය කල යුතුය.	දැනුවත් කිරීමක් සිදු නොවේ යැයි සිතමි. මහජනතාව ඕනෑම ආලෝක තන්තු රැහැන් යෙදීමේ ව්යාපෘතියක් පිළිබඳව වමයිම සඳහා රජය පුමාණවත් කාලයක් සපයා දී ඇත. නව ආලෝක තන්තු රැහැන් යෙදීමේදී පොදු හා පෞද්ගලික දේපල සඳහා වන හානි වලට පියවර ගැනීමට පුමාණවත් නීති හා නියාමනයන් රජය වසින් සකයා නොමැත. මාර්ගවල ආලෝක තන්තු රැහැන් යෙදීමේදී පොලිසිය රථවාගන හැයිරවීම කෙරේ. පුරකථන සමාගම් තම සේවා සැපයීම සඳහා, ආලෝක තන්තු රැහැන් නිදා ගෙන පරිභෝජනය කිරීම රජයේ පාලනය මත සිදු විය යුතුය. සියළු දුරකථන සමාගම් ආලෝක තන්තු රැහැන් බෙදාගෙන පොදු වශයෙන් පරිභෝජනය කිරීම පනිවාර්යය කල යුතුය.	දැනුවත් කිරීමත් සිදු නොවේ යැයි සිතමි. මහජනතාව ඕනෑම පැදගුක තන්තු රුගැන් යෙදීමේ ව්යාපෘතියක් පිළිබඳව වමණිම සඳහා රජය පුමාණවත් කාශයක් සපයා දී පැත. නව පැලෝක තන්තු රුගැන් යෙදීමේදී පොදු හා පෞද්ගලික දේපල සඳහා වන ගානි වලට පියවර ගැනීමට පුමාණවත් නීති හා නියාමනයන් රජය වහින් සකයා නොමැත. මාර්ගවල පැලෝක තන්තු රුගැන් යෙදීමේදී පොලිසිය රවවාගන හැයිරවීම කෙරේ. පුරකථන සමාගම් තම සේවා සැපයීම සඳහා, පැලෝක තන්තු රුගැන් ඩේදා ගෙන පරිගෝජනය කිරීම රජයේ පාලනය මත සිදු විය යුතුය. සියළු දුරකථන සමාගම් පැලෝක තන්තු රුගැන් බෙදාගෙන පොදු වශයෙන් පරිගෝජනය කිරීම පනිවාර්යය කල යුතුය.

	කරුණාකර ඔබගේ සාමානය විස්තර පහතට ලබා දෙන්	໑.	
21 22 23 24	වයස ලිංගය නිවාස පුදේශය ඔබ අයිති යුදුසු කාණ්ඩය		හැනැණු මේඛද
25	මන කිහියම් දුරකථන යේවාවක් පරිගො ජනය කරන්නනේද?	ු දුරකටන සමාගම වෙනත් ඔව	නැත.

_						
		நித்திர் திர்ந்திக்கிர்க்கிக்கிற	શુક્ષે મુર્મિક માર્ગા લેંગ્લે પ્રમા	ந்திகையம் இருக்கிழேக்	ન દ્વી દે એ ઉપુત્રો	भशंकाताक वक्षीकेस्था
Q1	தொடர்பாடலுக்காக வீத்போரம் நிலத்தின் கிட் ஒளியியல் இழைகளை பொருத்துவது மக்களுக்கு நன்மை பயப்பதூகும்.					
Q2	எனது வீட்டின் சுற்றூடலில் நிலக்கிற் ஒளியியல் இழைமுலம் இணைப்பு பேறக்கூடியதாக இருப்பின் மகிழ்ச்சி அடைவேன்					
Q3	தோலைத்தொடர்பு சேவை வழங்குவர்கள் பாதை ஓரங்களில் ஒலியியல் இழைகளை நிறுவும் முறை ஏற்புடையதாவது.					
Q4	எனது விட்டிற்கு ஒளியியல் இழை மூலம் தொடர்பை ஏற்படுத்துவதால்.எனது விட்டின் பெறுமதி கூடும்.					
Q5	ஒளியியல் இழைகளை நிறுவும் போது, குடிநிடமீன்சாரம்.கழிவு நிர் வடிகாழ், ஏனைப் தொலை தொடர்பு வளங்களுக்கு ஏற்படும் சேதம் ஏற்புவடாது.				The sale	
Q6	"காபெற்" செய்யப்பட்ட வீதிகளில் ஒளியியல் இழைகளை நிறுவதற்காக ஏற்படுத்தபட்ட சேதங்களும். ஒழுங்கற்ற விதத்தில் மீள நீரம்பியிருப்பதும் ஏற்பதக்கது.					
Q7	எனது வீட்டின் கற்றாடலில் ஒளியியல் இழைகள் நிறுவும் பணிகள் பற்றி நான் நன்கு அறிந்திருக்கின்றேன்.					
Q8	ஒளியியல் இரைகளை நிறுவும் பணிகளை கணிகாணிக்கும் பொறுப்பு அழசாங்கத்திற்கு இருப்பதாக - கருதுகிறேன்.					
Q9	ஒளியியல் இரைகளை நிறுவும் பணிகள் பற்றி அரசாங்கம் மக்களுக்கு வாகொலி/தொலைக்கட்சி (பத்திரிகை/இணையநளம் முலம்					
Q10	புதிப் தொலைத்தொட்பு வளங்களை விதாபோரம் நிறுவதற்கு போது மக்களிடம் இருந்து போதிர எதிர்ப்பு இருக்கின்றது.					

_	Sur-A Legrain Law Control of the Con		
Q11	வத்போரம் பதப்ப ஒளிபிவள் இண்டுகளை நிருவதை எதிர்கின்றேன்.		
Q12	ஏற்கனவே ஒளிபிபல் இழைகள் நீறுவப்பட்ட பிரதேசங்களில் தொலைத்தெடர்பு சேவை வழங்குளர்கள் புறிய இழைகளை நிறுவுவதை தவிர்த்து. இருக்கும் இழைகளை பகிருது கோள்ள வேண்டும் என நாள் கருதுகின்றேன்.		
Q13	பாதைபோரம் தொலைத்தோடர்பு வளங்களை நிறுவதில் உள்ள இடங்களைபும் பிரச்சினைகளைபும் முறையீடுவதற்கு ஒரு போறுப்பான அமைப்பு இல்லை என கருதூரின்றேன்.		
Q14	பேரும்பான்மையான புறிய ஒளியியல் இழை நிறுவும் பணிகள் பற்ற பொது மக்களிற்கு அறிவுறுத்தல் வழங்கப்படுவதில்லை எனக் கருதுகின்றேன்.		
Q15	போதுமக்களிடம் கலந்நாலோசிப்பதற்கும். கருத்து பறிமாற்றத்திற்கும் அரசாங்கம் போதி ப - காலத்தை வழங்குவதாக நான் கருதுகின்றேன்.		
Q16	தொலைத்தொடர்பு வளங்களை நிறுவுவநில் அரச தவிபர் சொத்துக்களும் ஏற்படும் சேதங்களுக்கு எதிறாக நடவடிக்கை எடுப்பதுந்கு அரசாங்கத்தால் ஏற்படுத்தப்பட்டுள்ள விதிகளும் கண்காணிப்பு முறைகளும் போதுமானவை என கருதவில்லை.		
P17	ஒளியியல் இரைகளை நிறுவும்போது விநிகளில் போலீசமி வாகவப் போக்குவரத்தை கட்டுப்படுத்துகிறும்களி.		
Q18	தோலைத்தொர்பு சேவை வழங்குவர்கள் பாவணையாளர்களுக்கு சேவைகளை வழங்கம் போது ஒளியியல் இழைகளை பகிர்ந்து பபனிபடுத்த அரசாங்கம் நிர்பந்திக்க வேண்டுமென நான் கருதுகிவ்நேன்		
Q19	இலங்கையில் ஒள்பிபல் இழைகளை தொலைத்தொடர்பு சேவை வழங்குவர்கள் பலிந்து பயன்படுத்துவது கட்டாயாரது.		
Q20	டுறுவப்பட்டுள்ள எல்லை அளிவிவல் இழைகளையும் அரசாங்கம் போறுப்பேற்று பகிர்ந்து உபபோகிக்கும் முறைமையை அமுலாக்கவேன்டும் என நாள் கருதுமின்பேன்.		

தயவு செய்து உங்களைச்சுப்ந்த சில பொது நகவல்களை சமியிக்கவும்		
Q21 வயது	ના પુત્ર પંતરમનો	
Q22 பால் Q23 அதிவிடம்	e)[vi/ji	பெவி
Q23 வநிவிடம்	դուներն —	និៗរបប់រប្រ
Q24 உங்களை பிரதிபளிக்கும் குழுதும் குழுவினை தெரிவு செய்யுங்கள்	பெதுமக்கள்	
	அறச அநேசவரி நிறுக	anti.
	தொலைந்தோப்பு சேவன வழங்குன்	
	ารีกและ ลหร้	
Q25 நீங்கள் ஏதாவது நொலைத்தொடர்பு சேவையை பாளிக்கின்றிர்களா	ஏன்னயவை	இல்லை
223 O A South of Street Street Street Committee Challen Street Cha	ોમલ	Cigar Strate

Operator Questionnaire

ent installation) is too high to cater the rapid growth of demand in Yes No ent approval time frame for Fiber Cable installations?
ent approval time frame for Fiber Cable installations?
ent approval time frame for Fiber Cable installations?
ent approval time frame for Fiber Cable installations?
ent approval time frame for Fiber Cable installations?
ent approval time frame for Fiber Cable installations?
□ 30 – 60 days
☐ 60 - 120 days ☐ 120 - 180 days
☐ More than 180 days
- Misis man 100 days
iew on the current time period for the process of approving Fiber cable
☐ Too short
☐ About right
☐ Too long
□ No opinion
the most appropriate time frame for the process of approving and resolving specific Fiber network routes?
the current procedures place too little emphasis on public consultation, too bout the right amount?
 □ Too little emphasis on public consultation □ Too much emphasis on public consultation □ About the right amount of emphasis on public consultation

A6. In your experience, are adequate efforts made to notify the general public of proposals for new Fiber Cables installations? Yes					
□ No					
A7. In the cases you are familiar with, what is the most common method of notifying the public about a proposal for a new Fiber installation?					
A8. How effective is this method of notification in ensuring that members of the public are aware of proposals for new Fiber installations? Uery effective Somewhat effective Not very effective Not effective at all					
□ No opinion					
A9. What do you feel would be the most effective way of notifying members of the public about proposals for new Fiber installations?					
A10. How much time do you feel should be allowed between public notification of a proposed installation and the start of any public consultations on the proposal?					
□ 1-2 weeks					
☐ 2 - 4 weeks					
☐ 4-6 weeks ☐ More than 6 weeks					
□ No opinion					
All. How much time should be allowed for public consultations to take place?					
☐ 1 - 2 weeks					
□ 2 - 4 weeks					
☐ 4-6 weeks					
☐ More than 6 weeks					
□ No opinion					

	g o	ation involves people gathering together for a public meeting to express thod of consultation involves allowing people to submit their views ver an extended period of time. Which method would you prefer for twork proposals?
		Public meetings Written submissions No opinion
A13. In terms of subm		ng views in writing, which method of submission would you prefer? By mail Over the internet No opinion
A14. Who do you thi Fiber Network installa	nk itioi	should be responsible for organizing public consultations on proposed ns?
		The local land-use authority The company making the proposal The government-TRCSL Other (please specify) No opinion
A15. Do you feel ther across Sri Lanka, or sh	e sl 10u	nould be a common consultation procedure in place for all communities do local communities develop their own consultation procedures?
		Common consultation procedure for all communities across Sri Lanka Local communities should develop their own consultation procedures No opinion
A16. Do you feel pu proposals, or do you t concern expressed in t	feel	c consultations should be a requirement for all new Fiber Network consultations should only be required if there is a significant level of local community?
		Consultations should be required for all new Fiber laying proposals Consultations should required only if a significant level of Concern is expressed No opinion

Development Author	reeling about present approval procedure and time frame with other approval process? (such as Central Environmental Authority, Urban rity, Department of Civil Aviation, Ministry of Defence, Ministry of Forest RCSL, Ministry of Health, Ministry of Information and Media, Ministry of
A18. What are your	suggestions to reduce delays due to too many stakeholders involvement?
A19. Do you like to	have one meeting with all stakeholders during set time frame?
A20. Do you have a regarding Fiber netw	any other specific suggestions for improving the local consultation process ork Installation?
A21. Would you lil	ke Government (TRCSL) to coordinate all stake holders and handle this
	☐ Yes ☐ No
A22. Do you think it institutions?	government (TRCSL) handle this approval process will be faster than other
	☐ Yes ☐ No

sharing procedures?
A number of issues are sometimes raised in response to the digging Roads for a new Fiber. In our experience, how important is each of the following issues to the general public?
A24. The aesthetics and Surface Quality of Roads?
□ Very important
□ Somewhat important
□ Not all that important □ No opinion
140 opinion
A25. The potential effect on the property values of nearby properties?
☐ Very important
□ Somewhat important
☐ Not all that important ☐ No opinion
140 opinion
A26. How many Fiber Network installations your organization has done so far?
A27. What will be the future Fiber Network Installations forecast for next five years?
A28. How many individual Fiber installations have you had some involvement with, either in an official capacity or as a concerned member of the public?

opposition?	e proposed Fiber Network installations generate significant public
opposition	Yes
	No
A30. And what was the o	outcome in each of those cases?
	The Fiber Network was not installed in the proposed location
	The Fiber Network was installed in the proposed location with
	significant modifications to meet public concerns
	The Fiber Network was installed in the proposed location with no
п	significant modifications. Do not remember
_	Do not remember
A31 What is your gen	eral feeling about current government regulations for Fiber Network
installations? Do they:	crail recting about current government regulations for Fiber Network
П	Favor the interests of industry in installing Fiber in desired locations?
	Favor the concerns of communities about the negative impact
	of fiber laying installations?
	Strike a good balance between the interests of industry and the
-	concerns of communities? No opinion
_	140 opinion
A32. Do you think Gover	rnment regulations to be reviewed? Please write your comment.
Optical Fiber Netwo	
The following section of	f the survey asks about Optical Fiber Network Sharing process in Sri
Lanka. Presently operato	rs are sharing the optical fiber networks in mutual understanding basis.
But need some attention	due to higher number of optical fiber installations taking place in Sri
Lanka.	
A22 II 1 1	in your organization being shared by other operators?
A33. How much capacity	/ III your organization
	. 82

A34. How and to what extent can Network sharing be utilized in order to reduce the total number of fiber networks?
A35. Do you like to promote optical fiber network sharing process in Sri Lanka?
□ Yes □ No
A36. To what extent do you like to share the optical network with other operators?
A37. What are the impacts due to optical fiber network sharing? (Any technical difficulties)
A38. Do you like government to promote optical fiber network sharing in residential areas as an initial step?
□ Yes □ No
If yes/no please comment
A39. "To avoid an excessive number of fiber laying projects in same area, the Government expects optical fiber network owners to work cooperatively in reaching agreements which allow for and encourage the sharing of fiber networks" Do you agree with above statement? If yes/no please comment.
83

new policy? If yes/no please comment.
A41. Do you have any suggestions to propose to government regarding the optical fiber network sharing process? If yes/no please comment.
A42. If Government acquire all the optical fiber networks in Sri Lanka and rearrange the existing setup with optical fiber network sharing and started to lease the optical fiber network to operators, do you like to support the Government? Please write your comment?
A.43. Current position:
A.44 Gender:
A.45 Nature of current involvements:
A.46. Experience in current position (in years):
A.47. Experience in Industry (in years):

Regulator Questionnaire

R1. Is pres	sent fiber laying approval process (time taken to approve) take longer time period?
	Yes
	No Company (2)
Please	e comment?
R2. What	is the present approximate time taken for such an approval process?
	30 – 60 days 60 – 120 days
	120 – 180 days
	More than 180 days
R3. What	approximate time duration you recommend for process of approving fiber laying.
	30 – 60 days
	60 – 120 days 120 – 180 days
	More than 180 days
R4. How o	loes the TRCSL involve in fiber laying approval process?
<u> </u>	
R5. What project?	is your view on public consultation (public awareness) in such a fiber laying
	Too little emphasis on public consultation is there presently
	The same basis on public consultation is there presently
	Right amount of emphasis on public consultation is there presently
Ш	No opinion
R6. In you	r experience, are adequate efforts made to notify the general public on new fiber
aying on 1	oads?
	Yes
	No

R7. What do you think as the most effective way of notifying general public on proposals for new fiber laying projects?
R8. How effective is this method of notification in ensuring that members of the aware of proposals for new fiber laying projects?
 □ Very effective □ Somewhat effective □ Not very effective □ Not effective at all □ No opinion
R9. How long period of duration should be given for general public to submit their concerns before starting public consultation?
☐ 1-2 weeks ☐ 2 - 4 weeks ☐ 4- 6 weeks ☐ More than 6 weeks ☐ No opinion
R10. How long period of duration should be assigned for public consultations to take place?
☐ 1 - 2 weeks ☐ 2 - 4 weeks ☐ 4- 6 weeks ☐ More than 6 weeks ☐ No opinion
R11. Which kind of method you prefer to get general public view on new fiber laying projects?
☐ Through public meetings to get general public's view ☐ Written submissions ☐ Other (please specify) ☐ No opinion

R12. In terms of submitting views in writing, which method of submission would you prefer?	J
 □ By postal mail □ By electronic mail □ Over the internet postings □ Other (please specify) □ No opinion 	
R13. Which party you think should be responsible for organizing public consultations or proposed new fiber laying projects?	ì
☐ The local land-use authority ☐ Road Development authority ☐ The company making the proposal ☐ The government ☐ Other (please specify) ☐ No opinion	
R14. Which kind of common consultation procedure you prefer for	
 □ A consultation procedure for all communities across □ Lanka □ A consultation procedure for local communities who are effected with this new fiber laying project □ No opinion 	
R15. Do you think the public consultation is a must?	
□ Yes □ No	
R16. What do you recommend to reduce delays due to too many stakeholders involvement?	
R17. Do you like to conduct a one meetings sessions with all the stakeholders till the new proposal is approved or disapproved?	,
□ Yes	
□ No	,

R18. What do you recommend to improve the present public consultation process?	
R19. IF Government (TRCSL) takes the leadership to coordinate all stake holders and handle this approval process till it is finalized, do you agree?	nd
□ Yes □ No	
Fiber Network Installation	
So many issues are faced in fiber network installation process by the general public, regulators the government stake holders and Operators.	&
R20. The aesthetics or appearance of roads after laying cables is how important?	
 □ Very important □ Somewhat important □ Not all that important □ No opinion 	
R21. The potential effect on the damage made to underground property (water line electricity lines, drainage lines and other communication lines?	es,
☐ Very important ☐ Somewhat important ☐ Not all that important ☐ No opinion	
R22. The potential effect of Road blocking leading to traffic jams during fiber laying Process on the roads?	ng
☐ Very important ☐ Somewhat important ☐ Not all that important ☐ No opinion	88

public?	general
 □ Aesthetics / appearance of roads □ Damages to underground properties □ Road blocking/traffic □ No opinion 	
R24. Can you describe in greater detail the specific concerns people have made in these areas?	each of
The aesthetics or appearance of roads after laying cables	
The potential effect on damage made to underground property	
The potential effect of Road blocking leading to traffic jams during fiber Process on the road?	r laying
R25. What is the total length of fiber cables networks installed in Sri Lanka presently? Approximate Value in Kilometers	
R26. What is the total length of fiber cables networks to be installed in Sri Lanka Approximate Value in Kilometers	future?

operator in excavations to lay the fiber cables?
□ Yes □ No
R28. Do you have enough resources to keep an up to date data base of such underground infrastructure?
□ Yes □ No
Please comment
R29. Do you have any suggestions to address the underground infrastructure damaging ssue in future?
☐ Yes ☐ No If yes, please explain with examples
Government Policies
R30. Has Government taken enough regulations to control the Fiber Installations in Sri Lanka?
□ Yes □ No
Please comment on your view
R31. Do you have "Optical Fiber Network Infrastructure" Policy under Felecommunication act?
☐ Yes ☐ No 90

R32. If no, do you think that such a policy is required under Telecommunication Act in Sri Lanka, to control and provide a frame work for Fiber Network Installations?
☐ Yes ☐ No
R33. Do you think present rules and regulations are adequate enough to punish public, private and state infrastructure damages in Sri Lanka due to fiber installations?
☐ Yes ☐ No
34. Do you have any suggestions or considerations to be included in Optical fiber network installation policy in Sri Lanka? Please add your suggestions and considerations.
Fiber Network Sharing Process
The following section of the survey asks about Fiber Network infrastructure sharing Process in Sri Lanka.
R35. Do you think that optical fiber network infrastructure can be shared among operators in Sri Lanka?
☐ Yes ☐ No
R36. As a stakeholder what is your view on optical fiber network infrastructure sharing in Sri Lanka?
R37. What would be the impact on communication infrastructure development in island wide?
91

R38. Do you recommend for operators to go for optical fiber sharing schemes for infrastructure and upcoming?	existing
☐ Yes ☐ No	
Fiber Networks information	
R39. Is there any fiber networks information data base for all island?	
☐ Yes ☐ No	
R40. Is it available for any operator to query information?	
□ Yes □ No	
R41. What is the mechanism operator use to access that information?	
R42. Are your organization is conducting any awareness programs for gen regarding the fiber network related issues?	eral public
☐ Yes ☐ No If yes, please explain with examples	
R43. Do you like to propose any mechanism to publish fiber network relate general public?	d issues to

R.45 Gender:	
R.46 Nature of current involvements:	

R.47. Experience in current position (in years):

R.48. Experience in Industry (in years):

R.44. Current position:

APPENDIX B: GENERAL PUBLIC QUESTIONNAIRE RESULTS

	Frequency	Percent
Male Female	71	74.7
Total	24 95	25.3 100.0

Table 4.1: Gender Summary

	Frequency	Percent
Using Telco Services	92	96.8
Not Using Telco Services	3	3.2
Total	95	100.0

Table 4.2: Type of User

	Frequency	Percent
Urban Area	60	63.2
Rural Area	35	36.8
Total	95	100.0

Table 4.3: Living Area

	Frequency	Percent
Public	9	9.5
Government	4	4.2
Telecom Industry	65	68.4
Others	17	17.9
Total	95	100.0

Table 4.4: Respondents by Group

	Age	Valid N (list wise)
N	95	95
Range	25	
Minimum	25	
Maximum	50	
Mean	30.38	
Std. Deviation	4.679	
Variance	21.897	

Table 4.5: Age Summary Statistics

	Frequency	Percent
Sinhalese	33	34.7
Tamil	35	36.8
English	27	28.4
Total	95	100.0

Table 4.6: Language used

38	40.0
47	49.5
10	10.5
95	100.0
	10 95

Table 4.7: Beneficial to the community

Q2	Frequency	Percent
Standard B	- (10.10)	1 Grociii
Strongly Agree	29	30.5
Agree	46	48.4
Noither Assessed B	10	40.4
Neither Agree nor Disagree	16	16.8
Disagree	4	4.2
Total		
Total	95	100.0

Table 4.8: Public acceptance of fiber networks near home

Q3	Frequency	Percent
Strongly Agree	2	2.1
Agree	20	21.1
Neither Agree nor Disagree	24	25.3
Disagree	38	40.0
Strongly Disagree	11	11.6
Total	95	100.0

Table 4.9: Public acceptance of the way currently fiber networks are laid on roads

Q4	Frequency	Percent
Charachy Agree	10	10.5
Strongly Agree	41	43.2
Agree	38	40.0
Neither Agree nor Disagree	3	3.2
Disagree	3	3.2
Strongly Disagree	95	100.0
Total		

Table 4.10: Increased property values

Q6	Frequency	Percent
Agree	3	3.2
Neither Agree nor Disagree	6	6.3
Disagree	42	44.2
Strongly Disagree	44	46.3
Total	95	100.0

Table 4.11: Negative Impacts due to fiber networks

Q8	Frequency	Percent
Strongly Agree	35	36.8
Agree	38	40.0
Neither Agree nor Disagree	22	23.2
Total	95	100.0

Table 4.12: Government Involvement in monitoring fiber network installations

	Frequency	Percent
Agree	2	2.1
Neither Agree nor Disagree	12	12.6
Disagree	50	52.6
Strongly Disagree	31	32.6
Total	95	100.0

Table 4.13: Public opposition for new fiber cable

Q7	-	
	Frequency	Percent
Strongly Agree	7	7.4
Agree	22	23.2
Neither Agree nor Disagree	15	15.8
Disagree	37	38.9
Strongly Disagree	14	14.7
Total	95	100.0

Table 4.14: Public awareness on current installations in the community

Q9	Frequency	Percent
Strongly Agree	22	23.2
Agree	34	35.8
Neither Agree nor Disagree	35	36.8
Disagree	4	4.2
Total	95	100.0

Table 4.15: Public awareness using common media

Q13	Frequency	Percent
Strongly Agree	23	24.2
Agree	44	46.3
Neither Agree nor Disagree	7	7.4
Disagree	21	22.1
Total	95	100.0

Table 4.16: Unavailability of common body for public to inform any issues

10	Frequency	Percent
Agree	24	25.3
Neither Agree nor Disagree	43	45.3
Disagree	28	29.5
Total	95	100.0

Table 4.17: Public opposition for new fiber cables

14	Frequency	Percent
Strongly Agree	26	27.4
Agree	62	65.3
Neither Agree nor Disagree	3	3.2
Disagree	4	4.2
Total	95	100.0

Table 4.18: Unavailability of Public awareness

15	Frequency	Percent
Agree	3	3.2
Neither Agree nor Disagree	41	43.2
Disagree	44	46.3
Strongly Disagree	7	7.4
Total	95	100.0

Table 4.19: Public consultation

16	Frequency	Percent
Strongly Agree	18	18.9
Agree	36	37.9
Neither Agree nor Disagree	21	22.1
Disagree	18	18.9
Strongly Disagree	2	2.1
Total	95	100.0

Table 4.20: Government rules & regulations

12	Frequency	Percent
Strongly Agree	53	55.8
Agree	24	25.3
Neither Agree nor Disagree	9	9.5
Disagree	9	9.5
Total	95	100.0

Table 4.21: Public agreeability on sharing

18	Frequency	Percent
Strongly Agree	44	46.3
Agree	19	20.0
Neither Agree nor Disagree	12	12.6
Disagree	20	21.1
Total	95	100.0

Table 4.22: Public interest on government control sharing scheme

19	Frequency	Percent
Strongly Agree	29	30.5
Agree	30	31.6
Neither Agree nor Disagree	21	22.1
Disagree	13	13.7
Strongly Disagree	2	2.1
Total	95	100.0

Table 4.23: Necessity of a sharing scheme in the country

20	Frequency	Percent
Strongly Agree	29	30.5
Agree	6	6.3
Neither Agree nor Disagree	12	12.6
Disagree	38	40.0
Strongly Disagree	10	10.5
Total	95	100.0

Table 4.24: Public interest on government ownership of the sharing infrastructure

