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പതിനാലാം കേരള നിയമസഭ
അഞ്ചാം സമ്മേളനം

നക്ഷത്രചിഹ്നമിട്ട നിയമസഭാ ചോദ്യം നം. 260

08.05.2017-ലെ മറുപടി

വിതരണം ചെയ്യുന്ന കുടിവെള്ളം നഷ്ടമാകുന്നത് പരിഹരിക്കാൻ നടപടി

ചോദ്യം

മറുപടി

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(ജലവിഭവ വകുപ്പ് മന്ത്രി)

എ കേരള വാട്ടർ അതോറിറ്റി ശുദ്ധീകരിച്ച് വിതരണം ചെയ്യുന്ന കുടിവെള്ളത്തിൽ വലിയൊരു പങ്ക് ചോർച്ച കൊണ്ടും മോഷണം കൊണ്ടും നഷ്ടമാകുന്നത് പരിഹരിക്കാനായി സ്വീകരിച്ചിട്ടുള്ള നടപടികൾ എന്തെല്ലാമാണ്;

എ ചോർച്ച കൊണ്ടും മോഷണം കൊണ്ടും ഉണ്ടാകുന്ന ജലനഷ്ടം പരിഹരിക്കാനായി പൈപ്പ് ലൈനുകളിൽ വരുന്ന ചോർച്ചകൾ യഥാസമയം പരിഹരിച്ചും പഴയതും കോടായതുമായ പൈപ്പ് ലൈനുകൾ മാറ്റി സ്ഥാപിച്ചും കുടിവെള്ളം നഷ്ടപ്പെടുത്തുന്നത് തടയുന്നതിനുള്ള നടപടികൾ സ്വീകരിച്ച് വരുന്നു. എല്ലാ പദ്ധതികളിലും ലീക്കുകൾ പരിഹരിക്കുന്നതിന് റണ്ണിംഗ് കോൺടാക്ട് സംവിധാന നിലവിലുണ്ട്. കൂടാതെ ലീക്കുകൾ സമയബന്ധിതമായി അറ്റകുറ്റപ്പണി നടത്തി ജലചോർച്ച ഒഴിവാക്കുന്നതിനായി പ്രധാന പദ്ധതികളിൽ ബ്ലൂ ബ്രിഗേഡ് സംവിധാനം ഏർപ്പെടുത്തിയിട്ടുണ്ട്. ബ്ലൂ ബ്രിഗേഡ് യൂണിറ്റുകൾ എല്ലാ ജില്ലാ ആസ്ഥാനത്തും ഏർപ്പെടുത്തുവാനുള്ള നടപടിയും സ്വീകരിച്ചു വരുന്നു. എല്ലാ ഡിവിഷനുകളിലും, സർക്കിൾ തലത്തിലും ജലമോഷണം തടയുന്നതിനും ദുരുപയോഗം ഇല്ലാതാക്കുന്നതിനും വേണ്ടി ആന്റി വാട്ടർ തൈഫ്റ്റ് സ്ക്വാഡ് പ്രവർത്തിച്ചു വരുന്നു. ജലചൂഷണം നടത്തുന്നവർക്ക് എതിരെ കണക്ഷൻ വിച്ഛേദിക്കൽ ഉൾപ്പെടെയുള്ള കർശന നടപടികൾ സ്വീകരിക്കുകയും ചെയ്യുന്നു.

ബി തലസ്ഥാന നഗരിയിലുൾപ്പെടെ പഴയ പൈപ്പുകൾ കൂടെയുള്ള പൊട്ടി ശുദ്ധജലം പാഴാകുന്നതും ജലവിതരണം തടസ്സപ്പെടുന്നതും ഒഴിവാക്കാനായി പഴയ പൈപ്പുകൾ മാറ്റി പുതിയവ ഇടാൻ പദ്ധതിയുണ്ടോ;

ബി ഉണ്ട്.

സി പ്രസ്തുത പദ്ധതിക്കായി എത്ര തുക നീക്കിവെച്ചിട്ടുണ്ടെന്നും പദ്ധതിയുടെ പുരോഗതി യെന്തെന്നും വ്യക്തമാക്കുമോ?

സി 2016-17-ലെ പുതുക്കിയ ബജറ്റിൽ പ്രഖ്യാപിച്ച പ്രത്യേക നിക്ഷേപ പദ്ധതിയിൽ ഉൾപ്പെടുത്തി 77 സ്കീമുകളിലായി എ.സി പ്രിമോ പനിംഗ് മെയിനുകൾ മാറ്റി സ്ഥാപിക്കുന്നതിന് 154 കോടി രൂപയും 174 സ്കീമുകളിലായി എ.എസി പ്രിമോ ട്രാൻസ്ഫിഷൻ മെയിനുകൾ മാറ്റി സ്ഥാപിക്കുന്നതിന് 371 കോടി രൂപയും നീക്കി വെച്ചിരിക്കുന്നു. അതിൽ 433.33 കോടി രൂപയുടെ 148 ട്രാൻസ്ഫിഷൻ മെയിനുകൾ മാറ്റി സ്ഥാപിക്കുന്നതിനുള്ള പ്രൊപ്പോസലുകൾ സർക്കാരിന്റെ പരിഗണനയിലാണ്. പ്രസ്തുത പട്ടിക അനുബന്ധം (1) ആയി ചേർക്കുന്നു.

കൂടാതെ പഴയ പൈപ്പുകൾ മാറ്റി പുതിയവ സ്ഥാപിക്കുന്നതിന് 40.70 കോടി രൂപയുടെ പ്രവൃത്തികൾക്ക് ഭരണാനുമതി നൽകിയിട്ടുണ്ട്. കൂടാതെ തലസ്ഥാന നഗരിയിലെ പഴയ പ്രിമോ പൈപ്പുകൾ ഉപേക്ഷിച്ച് നിലവിലുള്ള ഡി.ഐ, പി.വി.സി പൈപ്പുകളുമായി ജീക്ക ലൈൻ കൂട്ടി യോജിപ്പിക്കുന്നതിലേയ്ക്കായി 11.27 കോടി രൂപയുടെ പദ്ധതികൾക്കും സ്റ്റേറ്റ് പ്ലാൻ 2016-17-ൽ ഉൾപ്പെടുത്തി സർക്കാരിൽ നിന്നും ഭരണാനുമതി നൽകിയിട്ടുണ്ട്. പട്ടിക അനുബന്ധം (2) ആയി ചേർക്കുന്നു.

സ്റ്റേറ്റ് പ്ലാനിൽ ഭരണാനുമതി ലഭിച്ച പ്രവൃത്തികൾ എല്ലാം തന്നെ പ്രാരംഭ ഘട്ടത്തിലാണ്.

Renulta Santal
സെക്ഷൻ ഓഫീസർ

Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Thiruvananthapuram Circle			
1	Thiruvananthapuram Project Dv	TWSS-Replacing of existing damaged transmission main 215 mm HDPE pipe with 250 mm DI pipe from Bhagath singh nagar to GLSR at Mannanthala	300.00
2	Thiruvananthapuram Project Dv	TWSS-Replacing of existing damaged transmission main 315 mm HDPE pipe with 350 mm DI pipe from observatory to Ayurveda college Junction	629.00
3	Thiruvananthapuram Project Dv	TWSS-Rehabilitation of the existing PSC pipe transmission main with M. S. Pipe from Peroorkkada to Manvila including Interconnection & Allied works	6477.00
4	Neyyattinkara	RWSS to Marukil Maranallur -interconnection of 700 mm DI tranmission main of WSS to Kalippara and adjoining panchayath by laying 250 mm DI K9 pipe from Kottamugal Junction to Melariyode tank	146.00
5	Neyyattinkara	NWSS to Thozhukkal zone-providing transmission main 200 mm PVC from Kalippara line at Thozhukkal Jn. To clear water sump, Neyyattinkara	141.00
6	Aruvikkara	CWSS to Kallara, Pangode, Panavoor, Pullampara and Vembayam panchayaths -Replacing 350 mm AC transmission cum distribution main from Chamavila to Nellimukku with 350mm DI K9 pipe	345.00
7	Aruvikkara	CWSS to Kallara, Pangode, Panavoor, Pullampara and Vembayam panchayaths -Replacing 300 mm and 350 mm AC transmission cum distribution main from Nellikunnu to Iyer mukku of Pangode grama panchayath with DI K9 pipes	105.00
8	Aruvikkara	CWSS to Kallara, Pangode, Panavoor, Pullampara and Vembayam panchayaths-Replacing 200 mm AC transmission cum distribution main from Bharathannur to Kottayappan kavu and at Iyeremukku with DI K9 pipe	136.00
TOTAL			8279.00
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Kollam Circle			
1	Kottarakkara	BAWSS to Kundara and adjoining panachayath-Replacement of old 500 mm AC transmission main with 500 mm DI pipe from Vilakkudy school junction to Kunnikkode sump	425.00

2	Kottarakkara	BAWSS to Kundara and adjoining panachayath-Replacement of old 300 mm AC transmission main with 300 mm DI pipe line from Ezhukone GLSR to Kundara OHSR	490.00
3	Kottarakkara	BAWSS to Kundara and adjoining panchayath-Replacement of old 160 mm PVC distribution main with 160mm PVC (12 kg/cm ²) from Pallimukku to Hospital Junction in Kundara Panchayath	10.00
4	Kottarakkara	BAWSS to Kundara and adjoining panachayath-Replacement of old 250 mm AC transmission main with 250 mm DI K9 pipe from Kundara OHSR to Perayam OHSR	175.00
5	Kottarakkara	BAWSS to Kundara and adjoining panachayath-Replacement of old 300 mm AC transmission main with 300 mm DI K9 pipe from Ezhukone GLSR to Cheerankaavu junction	275.00
6	Kollam	RWSS to Thrikkaruvu- Rehabilitation of old damaged AC/CI pipes from Kanjiramkuzhi junction to Anchu auditorium for a length of 800m	7.50
7	Kottarakkara	Replacing 350mm dia AC and 300mm dia AC transmission main of Chithara and adjoining WSS with 300 mm ,250 mm and 200 mm dia DI K9 pipe (Phase-II)	760.00
8	Kottarakkara	WSS to Chithara and adjoining panchayaths-Replacement of 400 mm AC transmission main pipes with 350 mm DI K9 pipes (Phase I)	705.00
9	Kottarakkara	UWSS to Punalur Municipality-Replacing damaged 200mm AC pipe line with 200mm DI pipe line in Punalur - Maniyar road	138.00
10	Kottarakkara	UWSS to Punalur Municipality-Replacing old & damaged 150mm/80mm AC pipe in Nellippally - Kallar - Thumpodu Roads in Punalur Municipality	50.00
11	Kottarakkara	RWSS to Pathanapuram Panchayath-Replacement of very old and damaged AC & PVC pipes at various places in Pathanapuram Panchayath	100.00
12	Kollam	UWSS to Paravoor - Replacement of old and damaged 150mm AC pipe by laying 160mm PVC line near Maniyankulam bridge to UPS line in Paravoor municipality	5.00
13	Kollam	RWSS to Panayam - Rehabilitation of old and damaged AC/GI pipes from Thannikkamukku to Vayanasala Jn. for a length of 500m	6.00
14	Kollam	RWSS to Nedumpana-Pallimon-Replacement of old 150mm AC pipe with 160mm PVC in Kundumon OHSR to near Kulappadam Jn. and replacement of old 80mm AC pipe with 90mm PVC in Manjakkara Claykkuzhi Thykkavu road in Nedumpana panchayath	6.71
15	Kollam	RWSS to Kottiyam Perayam-Replacement of old 150mm AC pipe with 160mm PVC in Mylakkadu road to Perayam and CP Kada to Arattambalam pumphouse - 750m	7.38

16	Kottarakkara	BAWSS to Kundara and adjoining panachayath- Replacement of old 350 mm AC pipe with 350 mm DI pipe from Kottarakkara market junction to Ezhukone booster (5000 m)	413.68
TOTAL			3574.27
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Pathanamthitta Circle			
1	Thiruvalla	RWSS to Peringara- Replacing old and damaged 110mm PVC line with 160mm PVC line from Edinjillam to Elayidathu Temple Junction	69.35
2	Pathanamthitta	RWSS to Vechoochira- Replacing damaged 200mm AC transmission main from Koothattukulam to Kumbithodu with 250mm DI K9 pipe	86.00
3	Pathanamthitta	WSS to Adoor and adj. Panchayaths-Relaying of damaged transmission pipes and distribution pipes from Chiranickal treatment plant to Parakkode	391.00
4	Pathanamthitta	WSS to Adoor and adj. Panchayaths- Relaying of damaged transmission pipes from Kottamukal junction to Paruthippara tank	85.00
5	Pathanamthitta	WSS to Konni- Aruvapullam- Replacing of damaged 250mm AC gravity main pipe with 250mm DI K9 pipe from intake pump house, Konni- Aruvapuram	290.00
6	Pathanamthitta	CWSS to Vallicodu Kodumon- Replacement of damaged AC pipe from Vallokode TP to Vazhamuttom Kurishu transmission main and Zeonkunnu tank to Kodumon transmission main	615.00
7	Pathanamthitta	RWSS to Chenneerkara Mezhuveli- Replacing damaged AC pipe at Pannikkuzhi, Elavumthitta, Muttathukonam, Manjanikkara and Ramanchira area	199.00
8	Pathanamthitta	WSS to Adoor and adj. Panchayaths-Relaying of damaged distribution pipes in Pallickal Panchayat	1049.00
9	Thiruvalla	UWSS to Thiruvalla- Replacing 150mm/ 200mm AC old distribution pipe line in Thiruvalla- Kozhencherry road with 160mm PVC pipe from Puzhpagiri Joycees junction to Kattodu	60.28
10	Thiruvalla	UWSS to Thiruvalla- Replacing 150mm/ 100mm AC old distribution pipe line in Thiruvalla- Mallappally road with 160mm PVC pipe from Kuttappuzha railway overbridge to Paipad	77.65
11	Thiruvalla	RWSS to Kaviyoor and Kunnamthanam- Replacing 250 mm AC gravity main with 250mm DI K9-Vyttadu junction to Elavanal sump (2nd Reach)	194.50

12	Pathanamthitta	RWSS to Ranni-Perunadu-Replacement of damaged pipe lines Replacing 80mm AC pipe line with 140mm PVC (Class I) pipe-Eruvattu puzha to Mampara and Kizhakke Mampara - 3500m	65.00
13	Pathanamthitta	RWSS to Konji Aruvappulam - Replacing old and damaged 100mm GI pipe with 200mm DIK9 Pipe for gravity main to Ottupara	158.00
14	Pathanamthitta	RWSS to Vechoochira- Relaying damaged pipelines- Chethakal-Koothattukulam& Treatment plant to Vechoochira Town	237.00
15	Pathanamthitta	UWSS to Pathanamthitta - Replacing damaged ac pipe at Pathanamthitta Town area	1136.00
15	Pathanamthitta	RWSS to Angadi - Replacement of damaged pipelines at various places of RWSS to Angadi (5 nos of replacements)	416.10
17	Thiruvalla	RWSS to Thrikodithanam - Replacing old existing 150mm AC conveyance main line with 200mm DI K9 pipe from Mittayi company Fathimapuram to Thrikodithanam boosting pump house	250.60
18	Thiruvalla	UWSS to Thiruvalla- Replacing old distribution pipe line in Thiruvalla town (laying 200mm/300 mm/450 mm/500 mm DI pipeline along MC road from Ramanchira to Mazhuvangad Chira in connection with PWD road renovation works	170.38
		TOTAL	5549.86
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Kottayam Circle			
1	Kottayam	CWSS to Ettumanoor and adjoining villages- Replacing damaged 250mm PVC conveyance main from OHSR at Medical College to OHSR at Villunni using 250mm DI K9 pipes	229.00
2	Kottayam	CWSS to Ettumanoor and adjoining villages- Replacing damaged 250mm PVC conveyance main from OHSR at Medical College to OHSR at Kuriattukunnu using 250mm DI K9 pipes	236.00
3	Kottayam	CWSS to Ettumanoor and adjoining villages- Replacing damaged 300mm AC conveyance main from OHSR at Medical College up to entrance of KWA Medical College Section office using 300mm DI K9 pipe	16.50
4	Kottayam	KSP- WSS to Nattakom- Replacing old and damaged 300mm AC & 225mm PVC distribution main from Pakkil to Mooledam using 300mm & 250mm DI K9 pipes	133.00

5	Kottayam	KSP- WSS to Kumaranalloor- Replacing old and damaged 300mm AC gravity main from OH tank at Incherikkunnu to OH tank at SH mount using 300mm DI K9 pipe	230.00
6	Kottayam	KSP- WSS to Kumaranalloor- Replacing old and damaged 300mm and 250mm AC distribution main from OH tank at Incherikkunnu to Chathukulam using 300mm and 250mm DI K9 pipe	162.00
7	Kottayam	KSP- WSS to Panachikkadu Panchayath- Replacing old and damaged 300mm AC pipe line from Paruthumpara to Rajamma kavala using 300mm DI K9 pipe	75.00
8	Kottayam	UWSS to Kottayam- Replacing old and damaged 300mm and 225mm AC distribution main from KWA office to Kanjikkuzhi jn using 300mm and 250mm DI K9 pipes	115.00
9	Kottayam	UWSS to Kottayam- Replacing old and damaged 160mm PVC conveyance main from OHSE at KWA Kottayam office compound to OHSE at Thalikkotta using 150mm DI K9 pipes	178.00
10	Kottayam	ARWSS to Parathodu- Replacing existing 250mm AC line with 250mm DI from booster pumphouse Kooramthooku to Koovappally	97.50
11	Kaduthuruthy	ARWSS to Kaduthuruthy Panchayath- Replacement of old and damaged 90mm PVC Pipe with 110 mm & 90 mm PVC pipe in Mannar Temple and connected roads (4500M) in Kaduthuruthy Panchayath	42.00
12	Kaduthuruthy	WSS to Velloor Panchayath- Replacement of old damaged pipe in Pareppadi-Kodothu bridge (90 mm PVC 1500 m) Vadjakara-Thekkumvanam colony road (90 mm PVC 600 m) - Bhajanamadom settlement colony road (90 mm PVC 1100 m)	44.00
13	Kaduthuruthy	ARWSS to Kidnagoor Panchayat- Replacement of old and damaged 200 mm AC pipe with 200 mm DI pipe in Moonuthode road in Kidnagoor panchayath	48.00
14	Kaduthuruthy	ARWSS to Kallara Panchayat- Replacement of old and damaged 200 mm AC pipe with 200 mm DI pipe in Puthenpally junction to Ethakuzhy junction in Kallara panchayath	48.00
TOTAL			1654.00
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Kochi Circle			
1	Aluva	ARWSS to Kothakulangara South and Manickamangalam villages- Replacement of AC pipes with DI pipes- Sivajipuram- Peringamparambu road	200.00

15	Kochi	WSS to Thrikkakkara Municipality- Replacing existing major distribution line of 300mm AC pipe with 300mm DI K9 pipe from Kakkamad Pp. junction to Chittethukara- Supplying, laying, testing and commissioning of 300mm DI K9 pipe (1000m) and 160mm PVC 6 kg/cm ² (1000m) and all other associated works	170.00
16	Kochi	WSS to Thrikkakkara Municipality- Replacing existing major distribution line of 150mm AC pipe with corresponding size of DI K9 pipe from Kakkamad Pattupura Temple jn. to Mundempilly- Supplying, laying, testing and commissioning of 300mm DI K9 pipe (300m) and 160mm PVC 6 kg/cm ² (230m) and all other associated works	240.00
17	Kochi	Improvements of Water Supply to Kumbalam Panchayath, Kumbalam area- Replacement of 600mm AC gravity main using 400mm DI K9 400m from Panangad OH tank to Mundempilly ferry	45.70
18	Kochi	Improvements of Water supply to Tripunithura Municipality ward No. 38, 39, 40, 41, 42 and 43- Replacement of 300mm/150mm AC gravity main using 250/150 00mm DI K9- 2400m (both side from Vengalpetta bridge)	144.00
19	Kochi	WSS to Thrikkakkara Municipality- Replacing existing major distribution line of 150mm AC pipe with corresponding size of DI K9 pipe from Navodaya jn. to Vikasavani- Supplying, laying, testing and commissioning of 250mm DI K9 pipe (1750m) and 160mm PVC 6 kg/cm ² (1750m) and all other associated works	165.00
20	Kochi	Improvements of Water Supply to Maradu Municipality Nettoor area- Replacement of 400mm AC gravity main using 600mm DI K9 600m from near Crown Plaza Hotel Kundannoor to INTUC jn., Nettoor.	137.00
21	Kochi	Improvements of Water Supply to Kumbalam Panchayath, Kumbalam area- Replacement of 600mm AC gravity main using 400mm DI K9 150m, 200mm DI K9 1850m and 150mm DI K9 1750m (both sides of NH 47) from CVC readymix plant to Kumbalam south end	226.00
22	Kochi	Replacing old damaged 400mm Premo pipe with 400mm DI K9 pipe from Lourde Matha Church junction (in pandit Karuppan road) to Pnampilly Nagar for improving water supply in division no. 27 (old) of Kochi corporation for a length of 1550m	200.00
23	Kochi	WSS to Chottanikkara Pt. - Urgent replacement of old damaged 200mm AC GM by 200mm DI pipe for a length of 1300m from Kottayathupara Jn. to new Chottanikkara sump cum pumphouse	82.50
24	Aluva	ARWSS to Kothakulangara South and Manikkamangalam villages - Replacement of AC pipe with DI pipe Kottamam - Neeleswaram road	165.00
		TOTAL	3244.13

Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Muvattupuzha Circle			
1	Muvattupuzha	ARWSS to Arakkuzha-replacing damaged 125 mm AC Gravity Main from OH tank to Main road with 150 mm GI 150 mm PVC 200 m	4.00
2	Muvattupuzha	UWSS to Muvattupuzha-replacing damaged 200 mm AC and 150 mm AC Distribution pipe from Latha Buys stand Jn to Kizhakkekara with 200 mm DI and 150 mm PVC Pipe	70.00
3	Muvattupuzha	UWSS to Piravom-Replacement of 350 mm AC gravity main from Kakkad TP to Piravom Hospital Jn.- Laying 350 mm DI K9 pipe 3350m	250.00
4	Muvattupuzha	UWSS to Kothamangalam- Replacing damaged 300 mm AC pipe with 300 AC pipe with 300 mm DI from Malayinkeezhu to Ramalloor along Kothamangalam Thattekkad PWS road 850 m (distribution main)	75.00
5	Muvattupuzha	UWSS to Kothamangalam- Replacement of damaged 300 AC pipe with 300 mm DI from Ambalaparambu to Valiyapara Kothamangalam Municipality 1000 m Reach II (distribution main)	75.00
6	Muvattupuzha	ARWSS to Pothanicad and Pallarimangalam-Replacing damaged 250 mm AC Distribution line to 250 mm and 200mm DI in Pothanicad Panchayath	175.00
7	Muvattupuzha	UWSS to Kothamangalam- Replacing 300 mm AC distribution line with 300 mm DI pipe -2000 m from Rammallur to Elavumparamb	180.00
8	Muvattupuzha	UWSS to Piravom and adjoining panchayaths- Replacement of damaged 250 mm AC gravity main from Kakkadu WTP to Pazhoor sump by laying 250 mm DI pipe line 2650 m	155.00
9	Muvattupuzha	UWSS to Kothamangalam-replacing 300 mm AC distribution line with 300 mm DI pipe-2000 m Jawahar Jn. To Mathirapilly	160.00
10	Thodupuzha	ARWSS to Rajakkad Rajakumari - Replacing 250mm AC gravity main with 250mm DIK9 pipes from Kuruvilacity to Rajakumari tank	81.00
11	Thodupuzha	ARWSS to Rajakkad Rajakumari - Replacing 250mm AC gravity main with 250mm DI K9 pipes from Rajakumari tank to Parappanangadi tank	200.00
12	Thodupuzha	ARWSS to Rajakkad Rajakumari - Replacing balance length of 250mm AC gravity main with 250mm DI K9 pipes from Kuruvilacity to Kulapparackal	65.00
13	Thodupuzha	ARWSS to Rajakkad Rajakumari - Replacing 110mm PVC gravity main with 100mm DI K9 pipes from Kuruvilacity to Kadukkacity	48.00

14	Thodupuzha	RWSS to Devikulam- Replacing damaged AC pipes with 100mm DI K9 pipes	20.00
TOTAL			1558.00
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
Sl. No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Thrissur Circle			
1	Irinjalakkuda	AUWSS to Chalakkudy - Replacing 400 mm AC Pipe with 400 mm DI K9 from Vazhakunnu Church to Urumbakunnu centre-1100 m	160.00
2	Irinjalakkuda	CWSS to Nattika firka- Replacing 500 mm premo pipe by laying 500 mm DI K9 pipe 2890 m from C.V.Centre to Agastheswaram temple -Reach I	600.00
3	Irinjalakkuda	AUWSS to Chalakkudy- Replacing 450 mm AC pipe with 450 mm DI K9 from illikkadu valve chamber to Vazhakkunnu-1000 m	150.00
4	Irinjalakkuda	CWSS to Nattika firka- Replacing 400 mm premo pipes by laying 400 mm DI K9 pipe 5610 m from Agastheswaram temple to Mathilakam sump -Reach II	650.00
5	Irinjalakkuda	AUWSS to Chalakkudy - Replacing 350 mm AC Pipes with 350 mm DI K9 from Asharippara to potta pappali junction-700 m	80.00
6	Irinjalakkuda	CWSS to Nattika firka- Replacing 500 mm premo pipes from Sethukulam to Vandanapally Ganeshamangalam-8300 m	1750.00
TOTAL			3390.00
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Palakkad Circle			
1	Palakkad	Comprehensive and RWSS to Kollengode and adjoining panachayaths- Replacement of 300 mm AC clear water Gravity main from Meenara Kalikkavu OHSR to Kollengode OHSR with 300 mm DI K9 pipe	600.00
2	Palakkad	Laying 160 mm PVC distribution main, WTP puduserry to Arangottukulumbu, Malampuzha Panchayath	86.06
3	Palakkad	CARWSS to Kozhinjanpara and adjoining villages- Replacement of 200mm AC Clear Water Gravity Main from Master OHSR at Moonkilmada to Sathram Sump with 200mm DI K9 pipe for 16000m	543.00
4	Shornur	UWSS to Ottapalam Municipality - Replacement of 200/150/100/80mm AC distribution line at Ottapalam town and East Ottapalam area	34.00

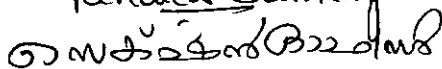
5	Shornur	UWSS to Ottappalam- Replacement of 100 mm and 80 mm AC distribution line at Kaniyapuram, Varode and Thotakkara areas	33.00
6	Shornur	UWSS to Ottapalam Municipality - Replacement of 300mm AC distribution line along Veettampara Varode road	34.00
7	Shornur	UWSS to Shornur Municipality - Replacement of 300 to 80mm AC distribution lines for zone I OHSR area	650.00
8	Shornur	UWSS to Shornur Municipality - Replacement of 300 to 80mm AC distribution lines for zone II GLSF area	535.00
9	Shornur	UWSS to Shornur Municipality - Replacement of 300 to 80mm AC distribution lines for zone III Kulappully area	590.00
10	Palakkad	PWSS-Palakkad Municipality- Replacement of 150mm AC and 125mm AC distribution lines from near KSRTC Jn to Thirunnellai NCC Jn with 160mm PVC (6kg/cm ²) at both sides of road - 5000Mtrs (Part-A) and Replacement of 200mm AC and 80mm AC distribution lines from Mercy College Jn to Thirunnellai NCC Palayam Jn with 160mm PVC (6kg/cm ²) at both sides of road - 3500Mtrs (Part-B).	200.00
11	Palakkad	Replacing old damaged 150 mm AC distribution main by laying 250 mm DI K9 pipe-Shekaripuram near petrol pump to Fort Maiden near IMA Hall - 3600m	250.88
12	Palakkad	Palakkad laying 250 mm DI K9 distribution main Kunnumpuram, Pechiamman nagar, Poochira upto SAI hospital at Olavakkode - 5600m	340.00
13	Shornur	UWSS to Ottapalam Municipality - Replacement of 300mm AC distribution line along Veettampara Panammanna road	33.00
TOTAL			3928.94
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Kozhikode Circle			
1	Kozhikkode	RWSS to Mavoor Grama panchayath -Replacement of old pipes	300.00
2	Vatakara	Augmentation to BWSS- Replacement of 300mm AC pipe Distribution System	417.00
3	Vatakara	Augmentation to BWSS- Replacement of 250mm AC pipe Distribution System	180.00
4	Vatakara	RWSS to Velom- Supplying and 250mm DI K9 pipes for Distribution main in place of damaged 250mm AC pipe for 3200m and supplying and laying 90mm PVC pipe line for	180.00

4	Vatakara	WSS to Onchiyam, Chorode etc. Villages- Replacing damaged AC distribution main from Edakkandikkunnu to Vellikulangara, Vellikulangara-Chorode, Edakkandikkunnu-Madappally with 350mm & 300mm DI K9 pipe	600.00
5	Vatakara	RWSS to Thuneri Village- Replacing existing 200mm AC gravity main with 250mm DI K9 pipe from Nadapuram junction to Kakkamvellikkunnu GLSR	250.00
7	Vatakara	WSS to Onchiyam, Chorode Eramala and Villiappally Villages- Replacing 200mm AC gravity main from Edachery junction to Amaravathy sump with 300mm DI K9 pipe	440.00
8	Vatakara	RWSS to Edachery- Replacing 200mm and 150mm AC distribution mains	200.00
9	Sulthan Bathery	AWRSS to Padinharathara and Thariode villages - Replacing damaged distribution at Padinharathara town area and various places in Thariode Panchayath	70.00
10	Sulthan Bathery	RWSS to Edavaka-replacement of old and damaged 125mm & 100mm AC Distribution main 1500 m from New tank to Kamam.	35.00
11	Sulthan Bathery	CWSS to Pulpally&Mullankolly Panchayaths- Replacement of old and damaged 150mm AC gravity main from GLSR at Padiehira to OHSR at pulpally	98.00
12	Sulthan Bathery	RWSS to Moopaiand - Replacing damaged distribution line from Naranagakunnu road junction to Meenmutty road junction and Kallikeni SC colony in Moopainad Panchayath	10.00
13	Vatakara	Renovation of WSS to Perambra, Koothali, Chakkittapara and Changaroth Panchayaths-Laying DI K9Transmission main from Peruvannamuzhi Treatment Plant to Perambra GLSR	1600.00
TOTAL			4380.00
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Malappuram Circle			
1	Malappuram	UWSS to Tirurangadi Municipality-Relaying the old and damaged lower size and frequently bursting distribution	53.00
2	Malappuram	Laying 160mm PVC Gravity main from OHSR at Chelari to GLSR at Kodakkadu (replacement of 125mm AC pipe) in Vallikunnu Grama panchayath for ARWSS to Munnaiyour, Thenni palam, Chelambra, Peruvallur(including road restoration charges)	80.00
3	Malappuram	UWSS to Perinthalmanna-replacement of AC pipe with DI pipe in zone 1,2,and 3	1200.00

4	Malappuram	UWSS to Manjeri- Replacing old aged AC pipes with DI pipes of Manjeri Municipality	1500.00
5	Malappuram	UWSS to Thirurangadi Municipality-Replacing frequently leaking, old damaged 150 mm AC pipe between Karipprambu to Pantharangadi	15.00
6	Malappuram	UWSS to Thirurangadi Municipality-Replacing frequently leaking, old damaged 150 mm AC pipe between Pantharangadi to Palathingal	15.00
		TOTAL	2863.00
Special Investment Fund-Replacing Transmission Mains - WRD005-00			
SL No.	Name of Division	Name of Work	Estimated Amount (Rs. Lakhs)
Kannur Circle			
1	Thaliparambu	WSS to Ramanthali panchayath in Thaliparamba Taluk- Replacing AC Gravity main, Transmission main and distribution in Zone II and distribution in Zone I	600.00
2	Kannur	Improvements to WSS to Elayavoor- Replacing old 80 mm AC distribution line with 110 mm PVC from Karuvan Vaidhyar peedika to Edachovva UP school and Karuvan Vaidhyar peedika to Pannikunnu Kattumachal vayal road	20.00
3	Kannur	WSS to Anjarakandy, Peralassery and adjoining panchayats- Replacing old 200mm AC distribution main with 200 mm DI K9 from GL Tank to Chembilode panchayat office road junction	35.00
4	Kannur	WSS to Anjarakandy, Peralassery and adjoining panchayats- Replacing old 350mm AC distribution main with 350 mm DI K9 in Vengad Panchayath	375.00
5	Kannur	Kolecherry WSS-replacing old 250mm AC Distribution main of Zone II with 350mm DI pipes from Panayatham Paramba Break pressure tank to Kudukkimotta for enhancement of coverage in Koodali & Munderi Panchayaths	600.00
6	Kannur	Improvements to WSS to Edakkad Zone I- Replacing the old 250 mm AC distribution line with 250 mm DI K9 pipe from GLSR at Chala to Thottada	200.00
7	Kannur	Kolacherry WSS-Replacing 250 mm Dia AC distribution main with 250mm dia DI pipe from step road to Kannadiparamba for enhancement of coverage in Narath panchayath	95.00
8	Kannur	Kolecherry WSS-Zone I-Replacing old 400/350 mm premo/AC pipe from Kothery GL tank to Vayanthode Jn. with 400 mm DI pipe	210.00
9	Kannur	WSS to Anjarakandy, Peralassery and adjoining panchayats- Replacing old 300,250 & 200 mm AC distribution main with 300,250 & 200 mm DI K9 pipe from Moonnuperiya Jn. to Vellachal Town Jn.	200.00

10	Kannur	CARWSS to Keezhur Chavasserry- Replacing AC Transmission main from OH tank at Palapparamba to Keezhurkundu with 250 mm DI pipe for enhancement of coverage in Keezhur Village	62.00
11	Kannur	WSS to Anjarakandy, Peralassery and adjoining panchayats- Replacing old 300mm, 250mm and 200mm AC distribution main pipes with 300 mm, 250 mm and 200 mm DI K9 pipes in Anjarakandy Panchayat	275.00
12	Kannur	Replacing 350 mm dia AC pipe of distribution main of zone II-Kolecheery WSS with DI pipes from Vaduvankulam to Panayathamparamba Break pressure tank for enhancement of coverage in Kuttiattoor, Koodali, Munderi and Keezhallur panchayaths	750.00
13	Kannur	WSS to Pallikunnu Puzhathai, Chirakkal and Valapattanam area- Replacement of Gravity / Pumping main by laying gravity main to OHSR at Pallikunnu and to Panankavau	690.00
14	Kasaragod	Kasargode WSS- Replacing of old and damaged premo and PVC pipe from Vidhyanagar KWA compund to old bus stand Kasaragod (balance work)	250.00
15	Kasaragod	ARWSS to Badiadka and Neerchal villages- Replacement of old and damaged AC and PVC pipes with DI & PVC pipes	250.00
16	Kasaragod	ARWSS to Uppala and adjoining villages - Replacing AC pipe with DI pipes from treatment plant to Uppala in Mangalpady Panchayath	300.00
		TOTAL	4912.00

GRAND TOTAL 43333.20

Renuka Sankar


HEAD [4215-01-190-97] OPTIMISATION OF PRODUCTION AND TRANSMISSION			
	Name of Division	Name of work	Amount in lakhs
1	W.S.D., Thaliparamba	RWSS to Chemberi and Ambazhathumchal - Replacing of old leaked 80mm GI pumping main with 110mm HDPE pipe for a length of 1200m	18.00
2	PH Division Thiruvalla	Replacing old damaged 150mm and 100mm AC distribution main at Prathiba junction in Kallooppa Panchayath using 160mm PVCmm DI pipeline-1740m	48.00
3	PH Division Thiruvalla	RWSS to Nedunkunnam and Kangazha - Replacement of 100mm AC pipeline with 110 mm PVC pipeline at Nedunkunnam Pallipady - Chelakombu road in Nedunkunnam Panchayath - 2400m	25.72
4	PH Division, Thiruvalla	UWSS to Changanassery - Replacement of 700mm old Premo pipe with 700mm DI pipe from Cluny school to OH tank at Cherukarakunnu	47.25
5	PH Division, Malappuram	MWSS to Malappuram:Relaying160mm PVC & Replacing 250AC pipe with160mm PVC pipe 10kg/cm2 &200mm DI at Kottapadi bus bay in front of Taluk Hospital in Malappuram Municipality	20.00
6	P.H.Division, TVPM(S)	TWSS - Replacing distribution main 160 mm CI for a length of 3500m with 160mm PVC from Vandithadam plant to KS road GL tank.	27.30
7	PH Division, TVPM (S)	TWSS - Replacing distribution main 160 mm HDPE for a length of 2000m with 160mm PVC from KS road GL tank to Kovalam Jn.	18.72
8	P H Division thiruvalla	RWSS to Thiruvanvandoor Panchayat-Repalcement of existing damaged 150 mm AC pipe with laying 160 mm PVC pipe in Pravinkoodu - Thiruvanvandoor road first reach - 1000m	17.70
9	P H Division thiruvalla	RWSS to Thiruvanvandoor Panchayat-Repalcement of existing damaged 150 mm AC pipe with laying 160 mm PVC pipe in Pravinkoodu - Thiruvanvandoor road second reach -1000m	16.25
10	P H Division thiruvalla	RWSS to Thiruvanvandoor Panchayat-Repalcement of existing damaged 150 mm AC pipe with laying 160 mm PVC pipe in Pravinkoodu - Thiruvanvandoor road third reach -1000m	16.20
11	P H Division thiruvalla	Replacement of pipe line from Edayady veedu to Vallekaly jn. In ward no I of Mannar Panchayath- replacement of 110 mm PVC with 160mm PVC - 1000m	12.30
12	P H Division thiruvalla	Replacement of the existing old and damaged AC pipes in Puramattom panchayath-80mm AC to 90mm PVC , 100 AC to 110 PVC , 150 AC to 160 PVC and 200mm AC pipe with 200mm DIK9 total length 4500m)	81.00
13	P H Division thiruvalla	Replacement of damaged pipe line from Anaviruthil to Pananiikkumparumbu in ward no. V of Veeyapuram panchayath - 75mm PVC,1500m with 110mm,1000m and 90mm 500m	9.50

14	P H Division thiruvalla	RWSS to Nedumkunnam-Replacing damaged 150mm AC pipe line with 160 mm PVC (10Kg) pipe line at Nedumkunnam-Oottupara road in Nedumkunnam Panchayat.-210m	76.00
15	P H Division thiruvalla	Rwss to Thrickodithanam Replacement of Existing 150 mm AC pipe line with 160 mm pvc pipe at Kodinattukunnu area in thrickodithanam panchayath -400	12.00
16	P H Division thiruvalla	UWSS - Replacing old 100mm AC distributionm line in Chempoli Mukku to Kattachira culvert with 110mm PVC pipe-300m	2.95
17	P H Division thiruvalla	RWSS to Vazhappally- Replacement of old 80 mm AC pipe line and street tap in Paral SNDP temple to Kumarankery in Vazhappally Panchayath	14.00
18	P H Division thiruvalla	RWSS to Niranam Panchayat-Replacement of existing damaged 75 mm PVC pipe with laying 90 mm PVC pipe in Kalappurackal pady - Bhagavathykunnu first reach -1000m	11.85
19	P H Division thiruvalla	RWSS to Niranam Panchayat-Repalcement of existing damaged 75 mm PVC pipe with laying 90 mm PVC pipe in Kalappurackal pady - Bhagavathykunnu second reach- 1000m	12.00
20	P H Division thiruvalla	Replacing of damaged 90 mm P.V.C. pipe at Chennikara padi to Vaipoor Bus stand in Kottangal Panchayath area 100 and 90 AC,PVC and GI using 160 PVC 10 kg/cm ² pipe- 1000.00 m (P.W.D. Road)	38.00
21	P H Division thiruvalla	RWSS to Nedumkunnam-Replacing damaged 100mm AC pipe line with 110 mm PVC (10Kg) pipe line at Nedumkunnam - Punnavelly road in Nedumkunnam Panchayat.-270M	7.96
22	P H Division thiruvalla	Replacement of the existing old and damaged 150mm MS pipes near Mallappally intake pump House and Bridge in Mallappally panchayath	15.00
23	P H Division thiruvalla	Replacing of damaged 110mm PVC pipe (Damaged during road widening work) at Thavalappara area in Anicadu Panchayath area using 110mm PVC 10kg/cm ² pipe- 1000m	23.00
24	Thiruvalla	UWSS to Changanacherry-replacement of 400mm premo pipe with 450mm DI pipe from west of railway yard to Pattathimukku - 340m	75.18
25	Thiruvalla	RWSS to Pulimkunnu - Replacing 90mm HDPE pipe at Mankompupampa crossing with 90 mm HDPE- 250m	2.40
26	Thiruvalla	RWSS to Pulimkunnu - Replacing 110mm HDPE pipe across Pulimkunnu river at Onnamkara toArupathichira SC colony in Ward no. 13 of Pulimkunnu Pt. With 110 mm HDPE- 300m	3.22
27	Thiruvalla	Replacing of damaged 150mm CI pipe, pumping line at neelamplavu canal bridge with new 150mm MS pipe - 35m	2.30
28	Thiruvalla	Mace. Of RWSS to Puramattom - Vennikulam - replacement of the existing damaged 150 mm CI pumping main from Paduthodu to Vennikulam using 150 mm DIK9 pipe	7.25

29	Thiruvalla	Replacement of existing old and damaged HDPE/PVC pipe from Allumkalpady to Pakkavunkhal road in Aiyroor panchayath 160mm PVC with 160mm PVC- 1100m	20.00
30	Thiruvalla	RWSS to Niranam panchayath replacement of existing damaged pipe line from Asari road colony junction to Theveri bridge for improving water supply to Asheriparambu colony and Kommankeri road	3.70
31	Thiruvalla	Replacing of old 100 mm AC distribution line in Thirumoolapuram-Kattodo road from Thirumoolapuram junction towards railway crossing with 160 mm PVC pipe (1000m)	15.85
32	Thiruvalla	RWSS to Kottoor-replacement of existing damaged 75 mm HDPE and 75 mm/63 mm PVC pipe (2000/1400m)with 110 mm PVC pipe 3800 m in Arattukadavu-Thalayar road and Chakkarassala kadavu Kadalimangalam road in Kuttor panchayath	48.50
33	Thiruvalla	Replacement of old and damaged 150mm AC pipeline with newly laid 150mm PVC pipeline from Manipuzha Jn. to Neerettupuram Jn., Nedumpuram Pt.	140.20
34	Thiruvalla	RWSS to Peringara - replacing pipe line at Idinjillam - Vengal area	69.30
35	Thiruvalla	UWSS to Thiruvalla - Replacing pipeline at Thiruvalla - Mallappally road from Kuttapuzha RoB to Paippadu	77.65
36	P H Division Pathanamthitta	UWSS to Pathanamthitta - Replacing damaged 150mm AC pipes with 160mm PVC pipes from Makkamkunnu to Karimpanamkuzhy for a length of 1 km.	14.10
37	P H Division Pathanamthitta	WSS to Chenneerkara - Mezhuveli - Replacing damaged 150/100mm AC pipes with 160/90mm PVC pipes Elavumthitta Ramanchira to Ambalakatavu road for a length of 1.5km.	21.00
38	PHD Alappuzha	JICA assisted WSS to Cherthala Taluk- Package 2 - Replacing the existing 800mm HDPE line near the approach road of the newly constructed Bridge at Thycattussery	20.00
39	PH Division, Muvattupuzha	UWSS to Kothamangalam-Replacing 125mm AC with 140mm PVC pipe from Jawahar Jn . To Mathirappilly at Kothamangalam including changing water connection and road restoration 2000m	20.00
40	P.H Division, Kochi	Replacing old and damaged 100mm AC pipe in Gandhi square to Irumbu palam by 110mm PVC pipe-300m	8.85
41	P.H Division, Kochi	Replacing old and damaged 100mm AC pipe passing under the private buildings and compound by laying new 75mm PVC pipe for a length of 85m and 110mm PVC pipe for a length of 455m in Kollassery road and Veliyathara Narayanan north road in division no: 18 & 19 (new) of Kochi Corporation	15.35
42	P.H Division, Kochi	Replacing damaged 150 mm CI distribution line with new 160 mm PVC line along Jawahar road from Kappalandimukku to Pandikudy junction for a length of 1000 m in division 08 new of KC	63.00
43	P.H Division, Kochi	Replacing 63 mm PVC for a length of 1500 mtr using 160 mm PVC in Meenchira road of Division 35 (New) Kochi Corporation	68.84

44	P.H Division, Kochi	Replacing the damaged 63mm PVC pipe by new 90mm PVC pipe for a length of 200m and 100m 75mm pipe for improving water supply in Pallichal road in Div.12(new)of Kochi corporation	14.15
45	P.H Division, Kochi	Improving water supply to Maruffuswami road, old Corporation Dn 44 by replacing 63mm PVC pipe with 90mm PVC pipe for a length 150m	5.60
46	WS Division Kochi	WSS to Puthencruz and adj Panchayaths - Replacing 250mm AC distribution main with 300mm DI K9 pipe from Choondy to Meempara Jn having a length of 2000m	192.00
47	WS Division Kochi	WSS to Puthencruz and adj Panchayaths - Replacing 150mm AC distribution main with 200mm DI K9 pipe from Meempara Jn to Poothrikka having a length of 2000m	142.00
48	WS Kochi	WSS to North Paravoor and adjoining Panchayaths - Relaying the damaged 450mm MS pipe along the underside of the bridge at Perumbadanna (22m)	10.00
49	WS Division Kochi 18	WSS to N. Paravoor Municipality and adjoining panchayaths - Improving W S to Gothuruth area in Chendamangalam Pt.-Replacing old and damaged 110 mm PVC pipe with 160mm PVC (6kg/cm ²) pipe in Vadakkumpuram - Gothuruth road	40.00
		Total	1671.14
HEAD [4215-01-102-97] RURAL WATER SUPPLY SCHEME			
1	Neyyattinkara	RWSS to Marayamuttam-replacement of damaged 150 mm AC pumping main with 200 mm DI K9 from Mampachakkara pump house to Perungadavila junction for a length of 2 km	70.00
2	Neyyattinkara	RWSS to Aryamkode-replacement of 150 mm AC pumping main from Moonattumukku pump house to Nedinjikunnu GLSR	80.00
3	Attingal	ARWSS to Karavaram-replacement of 150 mm AC pumping main with 150 mm DI K9-Pavalla booster pump house to Vandithadam OH tank in Karavaram Grama panchayath	54.15
4	Attingal	Replacing damaged AC pumping main of RWSS to Ayliom-Elimpa with 150 mm DI K9 pipes from Aylankadavu to Uyrannamala in Mudakad panchayath	54.20
5	Attingal	Replacing the old damaged 150mm AC pumping main and Supplying laying new 150mm DI pumping main Mananakku sump to Keezhattingal OH tank	79.00
6	Pathanamthitta	WSS to Adoor and adj. Panchayaths- Relaying raw water pumping main with 400mm DI K9 pipe from Kaipattoor to Chiranickal treatment plant (4700m)	403.00
7	Kaduthuruthy	RWSS to Velloor, Veliyanoor and adj. villages - Phase 2 - Replacement of old and rusted MS pipe with 300 mm DI K9 pipe-pumping main to Veliyanur, Moolakkulam and Uzhuvoor panchayaths-length 90 m location :Changalappala in Moolakkulam panchayath	9.00

8	Kottayam	ARWSS to Ettumanoor & adjoining villages - Replacing frequently bursting 250mm PVC conveyance main from OH tank at Medical College to OH tank at Villunni using 250mm DI K9 pipe 4000m	200.00
9	WSD, Kochi	Replacement of old pipes Main of CWSS to Kadungalloor, Karumalloor & Alangad Panchayath Replacing wood affected 250mm AC pumping main from treatment plant at Muppattalam to Manjali Kunnumpuram	289.50
10	WSD, Kochi	RWSS to Puthencruz Replacing 200mm AC pipe with 200mm DI from Rajarshi Jn. To Karimugal and to Ambalamedu	251.00
11	Muvattupuzha	RWSS to Nellikkuzhy Replacing damaged pumping main 250 mm AC with 250 mm DI from Thrikkariyoor to Nellikkuzhi OH tank	175.00
12	Muvattupuzha	RWSS to Manjalloor - Replacing old and damaged 200mm AC pipe by 200mm DI pipe from Plant Junction to Kattikkad Ayurveda Hospital. (1300 m)	40.00
13	Thodupuzha	ARWSS to Chakkupallam & Periyar village - Replacing of 150mm AC pumping main with 150mm DI K9 pipe from L.T Booster tank to GLSR at Ottakathalamedu	90.00
14	Thodupuzha	RWSS to Pallivasal - Relaying 125mm GI and 140mm PVC pipeline due to NH road widening works at Munnar Headworks dam to Pallivasal	45.00
15	Irinjalakkuda	RWSS to Nenmanikkara Relaying damaged pumping main and anchor block near to the OH tank at Eravakkode (200 mm AC/CI -150 m with 200mm DI K9)	10.00
16	Shornur	RWSS to Anakkara - Replacement old and damaged 100mm AC distribution pipes with 110mm PVC class 3 pipes and 150mm AC distribution line at various tail end locations, Thanikkunnu GLSR and Malamakkavu by 160mm PVC class3 (10390m)	109.00
17	Vatakara	WSS to Onchiyam, Chorode etc. Villages- Replacing 250mm AC clear water pumping main from Vellikulangara sump to Edakkandikkunnu GLSR with 500mm DI K9 pipe	280.00
18	Sulthan Bathery	ARWSS to Padinharathara and Thariode villages - Replacing damaged Pumping main at Manhura form Manhura sump to Manhura GL tank at Peral in Thariode Panchayath	9.00
19	Kasaragod	RWSS to Maicha in Cheruvathur panchayath - Replacing 100mm and 80mm dia AC pipes with 110mm dia and 90mm dia PVC pipes at Maicha, Vengat Kattuthala area	50.00
20	Kasaragod	RWSS to Kaithakkad in Cheruvathur panchayath - Replacing 100mm dia and 80mm dia AC pipe with 110mm dia and 90mm dia PVC pipe at Kaithakkad, Kadangode and Orkulam area	32.00
21	Kasaragod	RWSS to Achamthuruthi in Cheruvathur Pt. - Replacing old deteriorated smaller dia pipes with 110mm and 90mm dia PVC pipes at Achamthuruthi and Palichon Devasthanam area	42.00
22	Kasaragod	RWSS to Kadangode in Cheruvathur Pt.- Replacing 100mm dia and 80mm dia AC pipes with 110mm dia and 90mm dia PVC pipes at Kadangode Mazjid towards Northern side of the scheme	28.00
		Total	2399.85
		GRAND TOTAL	4070.99

Thiruvananthapuram

1	Project Division, TVPM	Abandoning of 400mm premo pipe from Ambalamukku Jn to NCC road Jn - Interconnection from 900mm DI line at NCC road Jn to 400mm CI main	13.30
2	Project Division, TVPM	Abandoning of 400mm premo pipe and 200mm CI line from Kowdiar Jn to Kuravankonam Jn - Providing interconnection from 600mm DI JICA main to 160mm PVC rider mains	12.10
3	Project Division, TVPM	Abandoning of 400mm premo pipe from Kowdiar Jn to Kuravankonam Jn - Providing interconnection from 800mm DI JICA main to 160mm PVC rider mains	11.70
4	Project Division, TVPM	Abandoning of 400mm premo pipe from Kowdiar Jn to Kuravankonam Jn - Providing interconnection from 750x150mm Tee of DI JICA main to 160mm PVC rider mains	7.80
5	Project Division, TVPM	Abandoning of 700mm premo pipe from Peroorkada Jn to Ambalamukku Jn - Providing interconnection from 1016x 400mm Tee of DI JICA main to 110mm PVC rider mains	16.60
6	Project Division, TVPM	Abandoning of 400mm premo pipe from Kowdiar Jn to Vellayambalam Jn - Laying 200mm DI rider mains and Providing interconnection from 600mm DI JICA main	111.00
7	Project Division, TVPM	Laying 160 mm PVC rider main and shifting connection from existing line - On both sides of Pattom-Murinjapalam, Murinjapalam- Kumarapuram, Murinjapalam-Medical College, Medical College -Ulloor Roads	468.82
8	Project Division, TVPM	Abandoning of 400mm premo pipe from Observatory to Thycaud - Laying 160mm PVC rider mains and Providing interconnection from JICA main	485.40
			1126.72

Renulla Sanjay
