

ഭരണഭാഷ - മാതൃഭാഷ

ചീഫ് എൻജിനീയറുടെ കാര്യാലയം  
തദ്ദേശസ്വയംഭരണ വകുപ്പ്  
റവന്യൂ കോംപ്ലക്സ്, മൂന്നാം നില  
പബ്ലിക് ആഫീസ് ബിൽഡിംഗ്,  
തിരുവനന്തപുരം-33


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നം: ഡിബി3 -1338/ 2016/സിഇ/തസ്വഭവ

തീയതി: 16.08.2016

സർക്കുലർ

സർക്കാർ ഉത്തരവ് (ആർടി) നമ്പർ 2108/2016/തസ്വഭവ തീയതി.12.07.2016 പ്രകാരം MGNREGS ന്റെ സ്റ്റാൻഡർഡൈസ്ഡ് ഡേറ്റാ തദ്ദേശ സ്വയംഭരണ എഞ്ചിനീയറിംഗ് വിഭാഗത്തിന്റെ കീഴിലുള്ള എല്ലാ എഞ്ചിനീയർമാരെയും അറിയിക്കുവാൻ നിർദ്ദേശിച്ചിരുന്നു. ആയ തനുസരിച്ച് 11.02.2016 ലെ സർക്കാർ ഉത്തരവ് (ആർടി) നമ്പർ 2524/2015/തസ്വഭവ പ്രകാരം MGNREGS ന്റെ ഡേറ്റാ തയ്യാറാക്കുന്നതിനായി രൂപീകരിച്ച സംസ്ഥാനതല സാങ്കേതിക സമിതി അംഗീകരിച്ച സ്റ്റാൻഡർഡൈസ്ഡ് ഡേറ്റാ അനുബന്ധമായി ചേർക്കുന്നു.

  
ചീഫ് എൻജിനീയർ

അനുബന്ധം: അംഗീകരിച്ച സ്റ്റാൻഡർഡൈസ്ഡ് ഡേറ്റാ



# WATERSHED WORKS

Sl.no.	code	Description	Unit	Quantity	
1	OD	Coconut basin opening			Refer 2.1.1 ✓

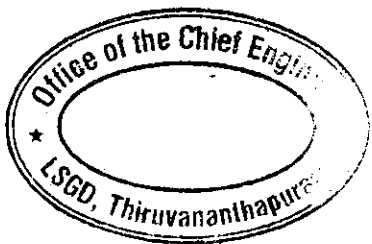
Details of cost for each  
 Earthwork excavation in ordinary soil  
 Assuming the coconut basin is  
 3m dia. And earthwork to be  
 done for an average depth of  
 15 cm & not exceeding 30 cm  
 $3.14/4 \times d \times d$   
 $3.14/4 \times 3.00 \times 3.00 - 3.14/4 \times 0.60 \times 0.60 = 6.78\text{sqm}$   
 Labour for 100 sqm


115	coolie	day	6	✓
114	beldar	day	7.2	✓

2	OD	Areacnut basin opening			Refer 2.1.1 ✓
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Details of cost for each  
 Earthwork excavation in ordinary soil  
 Assuming the areacnut basin is  
 1.50m dia. And earthwork to be  
 done for an average depth of  
 15 cm & not exceeding 30 cm  
 $3.14/4 \times d \times d$   
 $3.14/4 \times 1.50 \times 1.50 - 3.14/4 \times 0.45 \times 0.45 = 1.6\text{sqm}$   
 Labour for 100 sqm

115	coolie	day	6	✓
114	beldar	day	7.2	✓



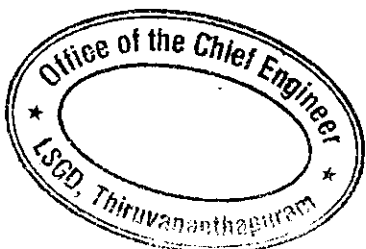
  
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# Geo-textiles

- 1 OD Earthwork and surface dressing the side slopes of the water bodies by removing grass, shrubs etc. with neatly levelling and finishing the surface with available clayey soil.

Refer 2.31 ✓

	Description	Unit	Quantity
	Details of cost for 100sqm ✓		
115	man	day	0.6 ✓
114	beldar	day	1.08 ✓



  
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# EARTHWORK

- 1 OD Earthwork in excavation by manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 m2 on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed For foundation

Refer MoRD 11.1.1.1 ✓

All kinds of soil

For 10 cum

114 beldar

day

0.32 ✓

115 coolie

day

8.00 ✓

- 2 OD Earthwork in excavation by manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 m2 on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed for Open areas

Refer MoRD 3.5.1 ✓

All kinds of soil

For 120 cum

128 Mate

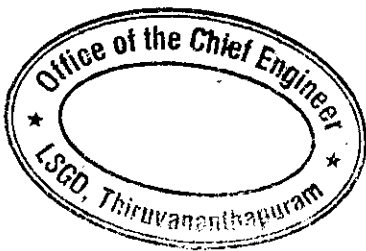
day

1.80 ✓

115 coolie

day

45.00 ✓



  
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## Concrete Work

1 **OD 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).** Refer 4.1.3 of DAR

code	Description	Unit	Quantity
	Details of cost for 1 cum.		
	MATERIAL:		
295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67 ✓
297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22 ✓
982	Coarse sand (zone III)	cum	0.445 ✓
367	Portland Cement (0.2225 cum)	tonne	0.32 ✓
	LABOUR:		
155	Mason (average)	day	0.1 ✓
114	Beldar	day	1.63 ✓
101	Bhisti	day	0.7 ✓
2	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.07 ✓
12	Vibrator (Needle type 40 mm)	day	0.07 ✓

2 **OD 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).** Refer 4.1.5 of DAR

Code	Description	Unit	Quantity
	Details of cost for 1 cum.		
	MATERIAL:		
295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.7 ✓
297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24 ✓
982	Coarse sand (zone III)	cum	0.47 ✓
367	Portland Cement (0.15674 cum)	tonne	0.22 ✓
	LABOUR:		
155	Mason (average)	day	0.1 ✓
114	Beldar	day	1.63 ✓
101	Bhisti	day	0.7 ✓
2	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.07 ✓
12	Vibrator (Needle type 40 mm)	day	0.07 ✓

**1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)**

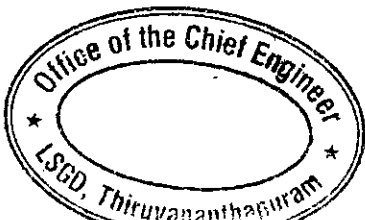
3 **OD for hand mixing using 40 mm metal**


Refer item no. 11.4.3.2 in MORD

**1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)**

4 **OD for hand mixing using 40 mm metal**

Refer item no. 11.4.1.2 in MORD



  
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## CEMENT BLOCK MASONRY

Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15cm in: CM 1:6 ( 1 cement :6 coarse sand) etc complete

1 OD Refer 50.6.2.1

Code	Description	Unit	Quantity
	Details of cost for 1 cum		
MR4	Solid blocks of size 30x20x15cm	each	103 ✓
3.11	Rate as per item Number3.11 of SH: Mortars		
		cum	0.09 ✓
9999	Sundries-	L.S	2.73 ✓
123	Mason (brick layer) 1st class	Day	0.4 ✓
124	Mason (brick layer )2nd class	Day	0.4 ✓
	Coolie	Day	1.46 ✓
101	Bhisti	Day	0.45 ✓

Solid masonry using pre cast solid blocks (factory made) of size 30x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in : CM 1:6 ( 1 cement : 6 coarse sand) etc complete

Refer 50.6.2.2 ✓

2 OD

Details of cost for 1m3		unit	quantity
	Details of cost for 1 cum		
MR4	MATERIALS: Solid blocks of size 30x20x15cm		
3.11	Rate as per item Number3.11 of SH: Mortars	each	103 ✓
9999		cum	0.09 ✓
101	Bhisti	Day	0.45 ✓
9999	Sundries-	L.S	22.36 ✓

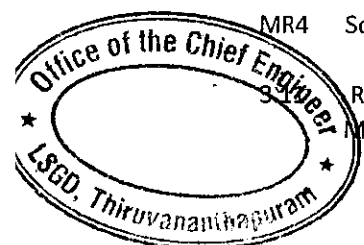
Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure above floor two level upto floor five level with thickness 15cm in : CM 1:6 ( 1 cement : 6 coarse sand) etc complete

Refer 50.6.2.3 ✓

3 OD

Code	Description	Unit	Quantity
	Details of cost for one cum		
MR4	MATERIALS: Solid blocks of size 30x20x15cm		
	Rate as per item Number3.11 of SH: Mortars	each	103 ✓

  
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9999	Sundries-	cum	0.09 ✓
123	Mason (brick layer) 1st class	L.S	2.73 ✓
124	Mason (brick layer) 2nd class	Day	0.53 ✓
115	Coolie	Day	0.53 ✓
101	Bhisti	Day	1.9 ✓
9999	Sundries-Scaffolding	Day	0.45 ✓
	Extra labour element required for lifting of materials ( above floor two level upto floor five level)	L.S	22.36 ✓
115	Coolie	Day	1.13 ✓

Hollow block masonry using pre cast solid blocks ( Factory made) of size 40x20x10cm or nearest available size confirming to IS 2185 part 1 of 1979 for foundation and plinth for 10 cm thick wall in : CM 1:6 ( 1 cement : 6 coarse sand) including cost of scaffolding etc complete

Refer 50.6.6.1

4 OD

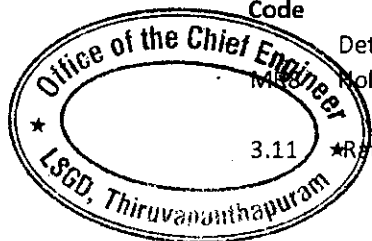
Code	Description	Unit	Quantity
	Details of cost for one cum MATERIALS:		
MR8	Hollow blocks of size 40x20x10cm	each	116 ✓
3.11	Rate as per item Number 3.11 of SH: Mortars		
		cum	0.0815 ✓
9999	Sundries -	L.S	13.52 ✓
123	Mason (brick layer) 1st class	Day	0.45 ✓
124	Mason (brick layer) 2nd class	Day	0.45 ✓
115	Coolie	Day	1.24 ✓
101	Bhisti	Day	0.56 ✓

Hollow block masonry using pre cast solid blocks (factory made) of size 40x20x10cm or nearest available size confirming to IS 2185 part I of 1979 for Super structure up to floor two level for 10 cm thick wall in: CM 1:6 ( 1 cement : 6 coarse sand) including cost of scaffolding etc complete

Refer 50.6.6.2

5 OD

Code	Description	Unit	Quantity
	Details of cost for one cum		
MR8	Hollow blocks of size 40x20x10cm	each	116 ✓
3.11	Rate as per item Number 3.11 of SH:		



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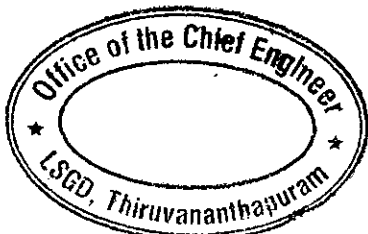
	Mortars		
9999	Sundries-	cum	0.0815 ✓
123	Mason (brick layer) 1st class	L.S	13.52 ✓
		Day	0.6 ✓
124	Mason (brick layer) 2nd class	Day	0.6 ✓
115	Coolie	Day	1.6 ✓
101	Bhisti	Day	0.56 ✓
9999	Sundries-	L.S	22.36 ✓

Hollow block masonry using pre cast solid blocks ( Factory made ) of size 40x20x10cm or nearest available size confirming to IS 2185 part I of 1979 for Super structure above floor two level upto floor five level for 10cm thick wall in : CM 1:6 ( 1 cement : 6 coarse sand ) including cost of scaffolding etc complete structure up to floor two level for 10 cm thick wall in: CM 1:6 ( 1 cement : 6 coarse sand) including cost of scaffolding etc complete

Refer 50.6.6.3 ✓

6 OD

Code	Description	Unit	Quantity
	Details of cost for one cum		
	MATERIALS:		
MR8	Hollow blocks of size 40x20x10cm	each	116 ✓
3.11	Rate as per item Number 3.11 of SH: Mortars		
9999	Sundries-	cum	0.0815 ✓
123	Mason (brick layer) 1st class	L.S	13.52 ✓
		Day	0.6 ✓
124	Mason (brick layer) 2nd class	Day	0.6 ✓
115	Coolie	Day	1.6 ✓
101	Bhisti	Day	0.56 ✓
9999	Sundries-Scaffolding	Day	0.56 ✓
	Extra labour element required for lifting of materials ( above floor two level upto floor five level)	L.S	22.36 ✓
115	Coolie	Day	1.29 ✓



  
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## LATERITE STONE MASONRY

**Laterite masonry with neatly dressed laterite stone of size 40x20x15cm or nearest size in cement mortar 1:6 for foundation and basement including all cost of materials, labour charges etc.**

Refer 50.6.7.1 ✓

1 OD

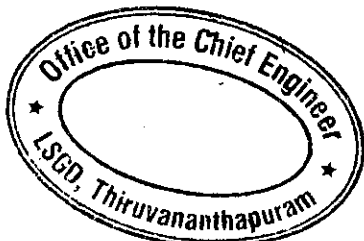
Code	Description	Unit	Quantity
	Details of cost for one cum.		
MR9	laterite stone of size 40x20x15cm	each	77 ✓
3.11	Rate as per item Number 3.11 of SH: Mortars		
		cum	0.0874 ✓
9999	Sundries-	L.S	2.73 ✓
123	Mason (brick layer) 1st class	Day	0.4 ✓
124	Mason (brick layer) 2nd class	Day	0.4 ✓
115	Coolie	Day	1.46 ✓
101	Bhisti	Day	0.45 ✓

**Laterite masonry with neatly dressed laterite stone of size 40x20x15cm or nearest size in cement mortar 1:6 for super structure above plinth level up to floor two level including all cost of materials, labour charges etc.**

Refer 50.6.7.2

2 OD

Code	Description	Unit	Quantity
	Details of cost for one cum.		
MR9	laterite stone of size 40x20x15cm	each	77 ✓
3.11	Rate as per item Number 3.11 of SH: Mortars		
		cum	0.0874 ✓
9999	Sundries-	L.S	2.73 ✓
123	Mason (brick layer) 1st class	Day	0.53 ✓
124	Mason (brick layer) 2nd class	Day	0.53 ✓
115	Coolie	Day	1.9 ✓
101	Bhisti	Day	0.45 ✓
9999	Sundries-	L.S	22.36 ✓



  
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Laterate masonry with neatly dressed laterate stone of size 40x20x15 cm or nearest size in cement mortar 1:6 for superstructure above floor two level upto floor five level including all cost of materials, labour charges etc.

Refer 50.6.7.3 ✓

3 OD

Code	Description	Unit	Quantity
	Details of cost for one cum.		
	MATERIALS:		
MR9	laterate stone of size 40x20x15cm	each	77 ✓
3.11	Rate as per item Number 3.11 of SH: Mortars	cum	0.0874 ✓
9999	Sundries-	L.S	2.73 ✓
123	Mason (brick layer) 1st class	Day	0.53 ✓
124	Mason (brick layer) 2nd class	Day	0.53 ✓
115	Coolie	Day	1.9 ✓
101	Bhisti	Day	0.45 ✓
9999	Sundries-	L.S	22.36 ✓
115	Coolie	Day	1.13 ✓

Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in Mud Mortar for foundation and basement including all cost of materials, labour charges etc.

Refer 50.6.7.1 ✓

4 OD

Code	Description	Unit	Quantity
	Details of cost for one cum.		
MR9	laterate stone of size 40x20x15cm	each	77 ✓
3.18	Rate as per item Number 3.18 of SH: Mortars	cum	0.0874 ✓
9999	Sundries-	L.S	2.73 ✓
123	Mason (brick layer) 1st class	Day	0.4 ✓
124	Mason (brick layer) 2nd class	Day	0.4 ✓
115	Coolie	Day	1.46 ✓
101	Bhisti	Day	0.45 ✓

TOTAL

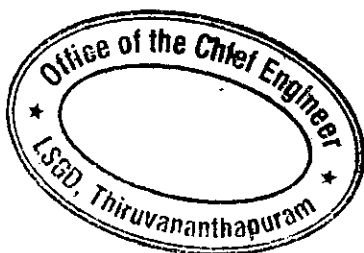


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## FLOORING

- 1 OD Flooring with terrakotta tiles 20 mm thick of approved size and shape with cm 1:3, 12mm thick cement flushing coat including all charges.

Code	Description	Unit	Quantity
	Details of cost for 1 sqm MATERIAL: Floor tiles 300x300 mm size = 1.00 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm		
MR	Terrakotta tiles of approved size and shape	sqm	1.025 ✓
9999	Sundries-Carriage of tiles		
	20 mm thick cement mortar 1:4 ( 1 cement : 4 coarse sand)	L.S	6.24 ✓
3.9	Rate as per item Number 3.9 of SH: Mortars	cum	0.024 ✓
9999	Sundries-Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S	20.2 ✓
367	Portland Cement	tonne	0.0033 ✓
LABOUR:			
123	Mason.(brick layer) 1st class	Day	0.2 ✓
115	Coolie	Day	0.2 ✓
9999	Sundries-including carriage of cement etc.	L.S	26.91 ✓



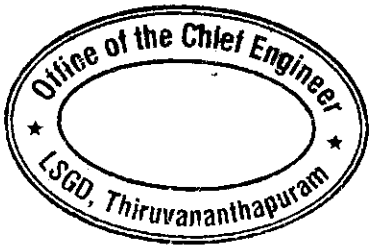
  
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# FINISHING

Refer 13.37.1 ✓

1 OD White cement washing two coats

Code	Description	Unit	Quantity
	Details of cost for 10 sqm		
	MATERIAL:		
775	Deharadun white lime	quintal	0.03 ✓
9999	Sundries-Carriage of lime	L.S	0.91 ✓
	LABOUR:		
141	White Washer	Day	0.2 ✓
115	Coolie	Day	0.1 ✓
9999	Sundries-Indigo gum etc.	L.S	4.42 ✓
9999	Sundries-ladders etc.	L.S	2.73 ✓



  
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**Details of Specification codes for approving observed data  
for Mahatma Gandhi NREGS**

50 - OD Building	60 - OD Irrigation	80 - OD NREGA	MORD DATA	CPWD DATA	
50.18.9.5.1			9.2.2	4.8.2	18.8.1
50.18.9.5.2			9.9.1	5.1.2	18.9.1
50.18.9.6.1			9.9.2	5.1.3	18.48
50.18.9.6.2			9.10.B	5.2.2	18.78
50.18.9.7.1			9.10.A	5.2.3	23.1
50.18.9.7.2			9.11.A	5.3	23.2
50.18.9.8.1			9.14.1	5.4	23.5
50.18.9.8.2			9.14.2	5.5	23.6
50.18.9.9.1			12.1.1	5.9.1	23.7
50.18.9.9.2			12.1.2	5.9.2	23.8
50.18.9.10.1			12.1.3	5.9.3	23.9
50.18.9.10.2			12.1.3A	5.9.5	23.12
50.18.9.11.1			12.2	5.9.6	23.15.1
50.18.9.11.2			12.3	5.9.7	23.16
50.18.9.12.1			12.4.1.1	5.9.19	23.19.1
50.18.9.12.2			12.4.1.2	5.11.1	23.23
50.18.9.13.1			12.4.1.3	5.22.1	
50.18.9.13.2			12.4.1.4	5.22A.3	
50.18.9.14.1			12.4.2.1	5.22.6	
50.18.9.14.2			12.4.2.2	5.31	
50.18.9.15.1			12.4.2.3	5.47.1	
50.18.9.15.2			12.4.3.1	5.47.2	
50.18.9.16.1			12.4.3.2	5.47.3	
50.18.9.16.2			12.4.3.3	6.1.2	
50.18.9.17.1			12.5.1.1	6.2.1	
50.18.9.17.2			12.5.1.2	6.2.2	
50.18.9.18.1			12.5.2.1	6.3.1	
50.18.9.18.2			12.5.2.2	6.3.2	
50.18.9.19.1			12.5.3	6.4.2	
50.18.9.19.2			12.5.4	6.23	
50.18.9.20.1			12.5.3	6.27.1	
50.18.9.20.2			12.5.4	6.27.2	
50.18.9.20.3			12.6	7.1.1	
50.18.9.20.4			12.7	7.2.1	
50.18.9.20.5			12.8	9.48.1	
50.18.9.20.6			12.9	9.53	
50.18.9.20.7			12.10.1	9.55.1	
50.18.9.20.8			12.10.2	9.56.1	
50.18.9.20.9			13.1.1.1	9.63.1	
50.18.9.20.10			13.1.1.2	9.96.1	
50.18.9.21			13.1.1.3	9.97.1	

**Details of Specification codes for approving observed data  
for Mahatma Gandhi NREGS**

50 - OD Building	60 - OD Irrigation	80 - OD NREGA	MORD DATA	CPWD DATA
50.18.9.21.2			13.1.2	9.100.1
50.18.9.21.3			13.1.3	9.101.1
50.18.9.21.4			13.2	9.103
50.18.9.21.5			13.3	9.141
50.18.9.21.6			13.4	9.142.1
50.18.9.21.7			13.5	10.1
50.18.9.21.8			13.6	10.2
50.18.9.21.9			13.7	10.3
50.18.9.21.10			13.8	10.4
50.18.9.22.1			13.9	10.5.1
50.18.9.22.2			13.11.2	10.6.1
50.18.9.22.3			13.11	10.16.1
50.18.9.22.4			13.18	10.25.1
50.18.9.22.5			14.1	10.26.3
50.18.9.22.6			14.2	10.28
50.18.9.22.7			14.3	10.30.1
50.18.9.22.8			14.5.1	11.2
50.18.9.22.9			14.5.2	11.3.1
50.18.9.22.10			14.5.3	11.7
50.18.9.22.11			14.7.3	11.36
50.18.9.22.12			14.8	11.37
50.18.78			14.11.1	11.38
			14.11.2	11.41.1
			15.6	11.42
			15.7.1	11.43
			15.7.2	11.46.1