የአዲስ አበባ ከተማ አስተዳደር ዲዛይንና ግንባታ ስራዎች ቢሮ
Addis Ababa City Administration Design And Construction Works Bureau

ቁጥር አ/አ/ዲ/ግ/ስ/ቢ/1698/2019
Ref. No
ቀን ጎዳር 08/2019 - 09:13 ከሰዓት
Date

በአዲስ አበባ ከተማ አስተዳደር

- ለመንገዶች ባለሥልጣን
- ለግንባታ ፈቃድና ቁጥጥር ባለሥልጣን
- ለከተማ ውበትና አረንጓዴ ልማት ቢሮ
- ለመሬት ልማትና አስተዳደር ቢሮ
- ለትራንስፖርት ቢሮ
- ለቤቶች ልማትና አስተዳደር ቢሮ
- ለውሃና ፍሳሽ አገልግሎት
- ለአካባቢ ጥበቃ ባለሥልጣን
- ለቤቶች ልማት ኮርፖሬሽን
- ለልደታ ክፍለ ከተማ ጽ/ቤት
- ለየካ ክፍለ ከተማ ጽ/ቤት
- ለቦሌ ክፍለ ከተማ ጽ/ቤት
- ለኮልፌ ቀራንዮ ክፍለ ከተማ ጽ/ቤት
- ለቂርቆስ ክፍለ ከተማ ጽ/ቤት
- ለንፋስ ስልክ ላፍቶ ክፍለ ከተማ ጽ/ቤት
- ለአራዳ ክፍለ ከተማ ጽ/ቤት
- ለጉለሌ ክፍለ ከተማ ጽ/ቤት
- ለአዲስ ከተማ ክፍለ ከተማ ጽ/ቤት
- ለአቃቂ ቃሊቲ ክፍለ ከተማ ጽ/ቤት
- ለለሚ ኩራ ክፍለ ከተማ ጽ/ቤት

አዲስ አበባ

ጉዳዩ፦ የ2019 በጀት ዓመት 1ኛ ሩብ ዓመት የግንባታ ሥራዎች የቀጥተኛ ዋጋ (Direct Cost) መላክ ይመለከታል

ከላይ በርዕሱ እንደተጠቀሰው የአዲስ አበባ ከተማ አስተዳደር የዲዛይንና ግንባታ ሥራዎች ቢሮ በዓዋጅ ቁጥር 84/2016 አንቀጽ 28 በተሰጠው ሥልጣን እና ኃላፊነት መሰረት ወቅታዊ ሞዴል የግንባታ ስራዎች ቀጥተኛ ዋጋ (Direct Cost) በማጥናት ለሚመለከታቸው ተቋማት እና ተጠቃሚ ባለድርሻ አካላት በድህረ-ገጽ እያሰራጨ ይገኛል።

በዚህ መሰረት የ2019 በጀት ዓመት 1ኛ ሩብ ዓመት በቢሮው አማካኝነት ተዘጋጅቶ የጸደቀውን የግንባታ ሥራዎች ቀጥተኛ ዋጋ (Direct Cost) ከዚህ ቀጥሎ በተገለጸው የቢሮ ድህረ-ገጽ መጠቀም የምትችሉ መሆኑን እንገልጻለን።

1.FACE BOOK:- Addis Ababa Design & Constructon works bureau

2.TELEGRAM:- Addis Ababa Design & Constructon works bureau

3.TWITTER:- Addis Ababa Design & Constructon works bureau

ከሠላምታ ጋር

ኤልያስ ከበደ(ኢ/ር)
የኮን/ኢንፉ/ልማት ዘርፍ ም/ቢሮ ኃላፊ

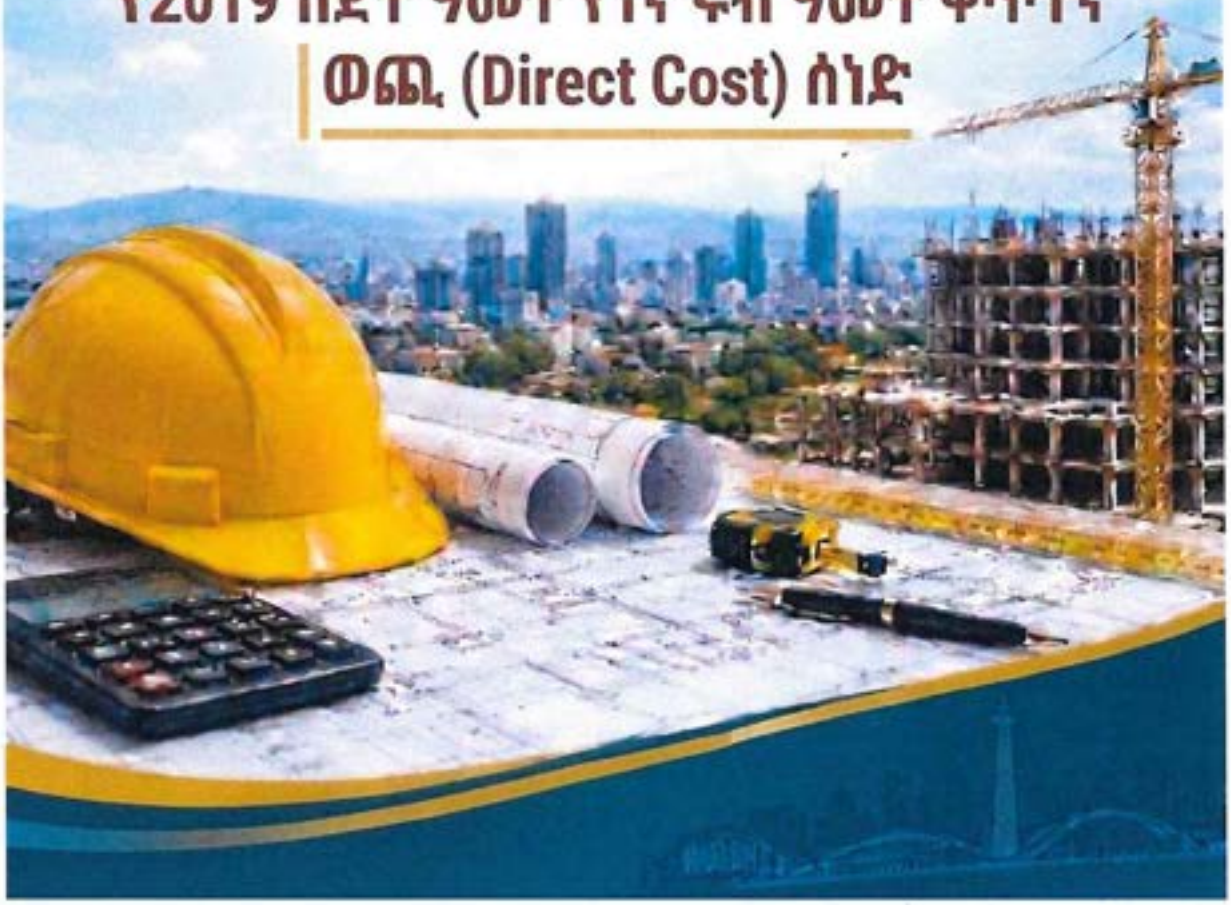
ግልባጭ፤

- ለቢሮ ኃላፊ
- ለመካከለኛ ፕሮጀክቶች ኮንትራት አስተዳደር ዘርፍ
- ለትላልቅ ፕሮጀክት ኮንትራት አስተዳደር ዘርፍ
- ለዲዛይን ዝግጅትና ምህንድስና ግዥ ዘርፍ
- ለኮንስትራክሽን ኢንዱስትሪ ልማት ዘርፍ
- ለምህንድስና ግዥ ዳይሬክቶሬት
- ለኮንስትክሽን ኢንዱስትሪ ዋጋ ጥናት ቡድን
- ለኮንትራት አስተዳደር ዳይሬክተር
- ለፕሮጀክት ጥናትና ዲዛይን ዝግጅት ዳይሬክቶሬት

ዲ/ግ/ሥ/ቢሮ

አዲስ አበባ ከተማ አስተዳደር ዲዛይንና ግንባታ ሥራዎች ቢሮ
ADDIS ABABA CITY ADMINISTRATION
DESIGN AND CONSTRUCTION WORKS BUREAU

የ2019 በጀት ዓመት የ1ኛ ሩብ ዓመት ቀጥተኛ ወጪ (Direct Cost) ሰነድ



መግቢያ

የአዲስ አበባ ከተማ አስተዳደር የዲዛይንና ግንባታ ሥራዎች ቢሮ በአዋጅ ቁጥር 84/2016 አንቀጽ 28 በተሰጠው ሥልጣንና ኃላፊነት መሠረት፣ከሚመለከታቸው አካላት ጋር በመተባበር ወቅታዊ የግንባታ ግብዓቶችን የገበያ ዋጋ በማጥናት፣ በመተንተንና በማረጋገጥ የግንባታ ሥራዎችን ቀጥተኛ ወጪ (Direct Cost) የሚያሳይ ሞዴል የዋጋ መረጃ ለሚመለከታቸው ተቋማት እንዲሁም በሙያው ለተሰማሩ ድርጅቶች እና ባለሙያዎች በየሩብ ዓመት በማዘጋጀትና በድህረ ገጽ በማሰራጨት ላይ ይገኛል።

በዚህ መሠረት፣ በ2019 **በጀት ዓመት የ1ኛ ሩብ ዓመት** የተካሄደውን የግንባታ ግብዓቶች የገበያ ዋጋ ጥናት ውጤት በመጠቀም፣ በቢሮው የተጠናከረ፣ የተገመገመና የጸደቀው ሞዴል የግንባታ ሥራዎች ቀጥተኛ ወጪ (Direct Cost) የዋጋ መረጃ ለተጠቃሚ ተቋማትና ባለሙያዎች ቀርቧል። ይህ መረጃ ለግንባታ ወጪ ግምትና ለተያያዥ የሙያ ሥራዎች እንደ መነሻ ሆኖ ያገለግላል።

የቀጥተኛ ያልሆኑ ወጪዎች እና የተቋራጭ ትርፍ አጠቃቀም

በግንባታ ፕሮጀክቶች የሚወጣው አጠቃላይ ወጪ በቀጥተኛ ወጪ (Direct Cost) ብቻ የሚወሰን ባለመሆኑ ፕሮጀክቱን በተሳካ ሁኔታ ለማስፈጸም አስፈላጊ የሆኑ ቀጥተኛ ያልሆኑ ወጪዎች (Indirect Costs) እና የተቋራጭ ትርፍ (Profit) በግንባታ ወጪ ግምት ውስጥ መካተት ያለባቸው ቁልፍ ክፍሎች ናቸው።

ስለሆነም በቢሮው ተዘጋጅቶ የቀረበው የግንባታ ስራዎች ቀጥተኛ ወጪ (Direct Cost) ሰነድ እንደ ሞዴል መነሻ የሚያገለግል ሲሆን፣ ቀጥተኛ ያልሆኑ ወጪዎችና ትርፍ በተገቢው የወጪ ግምት ዘዴ፣ በፕሮጀክቱ ባህሪ፣ በውል ሁኔታዎችና በተፈጻሚ የግዥ ሥርዓቶች መሠረት ተለይተው ሊታሰቡ ይገባል።

በመሆኑም ከዚህ በመቀጠል በዝርዝር በተቀመጠው የአሰራር መግለጫ መሰረት ባለድርሻ አካላቶች የግንባታ ስራዎች ነጠላ ዋጋ በማስላት መጠቀም ይችላሉ።።



ቀጥተኛ ያልሆኑ /ተዘዋዋሪ ወጪዎች (Indirect Costs/ Over head Cost)

ተዘዋዋሪ ወጪ እንደ የጽ/ቤት ኪራይ፤ የጽ/ቤት ዕቃ፤ የሠራተኞች ደመወዝ፤ የፖስታ መላላኪያ፤ የመብራት፤ የስልክ፤ የውሃ፤ የውሎ አበል፤ ወዘተ የመሳሰሉትን ወጪዎች ለመሸፈን የሚወጣ ክፍያ ነው፡፡ በመሆኑም እንደ የድርጅቱ አቅምና ደረጃ እንዲሁም በእጅ ላይ በሚገኙ ፕሮጀክቶች ብዛት፤ መጠን፤ አቅምና ደረጃ ተዘዋዋሪ ወጪ ዋጋ ፐርሰንት ይለያያል፡፡

የተቋራጩ አቅምና ደረጃ	የቀጥተኛ ያልሆነ ወጪ (Indirect Cost) መጠን
3 ዓመት እና ከዚያ በላይ	10%
ከ 4 እስከ 6 ዓመት	8%
ከ 6 ዓመት በታች	6%

ትርፍ (Profit)

ትርፍ (P)፡- አንድ ተቋራጭ (Contractor) ስራውን ካወጣው ቀጥተኛ ወጪ(ቁሳቁስ፤ የሰው ኃይል እና ማሽነሪ) በተጨማሪ የሚታሰበው የትርፍ ድርሻ ነው፡፡ ይህ የትርፍ ስሌት የሚወሰነው በፕሮጀክቱ የዋጋ መጠን ሲሆን ከዚህ በታች በዝርዝር በተቀመጠው ስሌት መሰረት ተፈጻሚ ይሆናል፡፡

የፕሮጀክቱ የገንዘብ መጠን	የትርፍ መጠን
እስከ 5,000,000 ብር	13%
ከ 5,000,000 ብር በላይ እስከ 15,000,000 ብር	11%
ከ 15,000,000 ብር በላይ እስከ 30,000,000 ብር	10%
ከ 30,000,000 ብር በላይ እስከ 50,000,000 ብር	10%
ከ 50,000,000 ብር በላይ	7%

አጠቃላይ የግንባታ ስራ ነጠላ ዋጋ የወጪ ስሌት አተገባበር

ነጠላ ዋጋ = ቀጥተኛ ወጪ (Direct Cost) + ተዘዋዋሪ ወጪ (Indirect Cost) + ትርፍ (Profit)

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IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
1.1	**Load and cart away all demolishing & dismantling material to an appropriate tip. (Manually)**		
1.1.1	Demolishing the lamera wall	m^2	176.83
1.1.2	Demolishing the existing CIS wall	m^2	33.16
1.1.3	Demolishing of wooden wall	m^2	189.33
1.1.4	Demolishing of gypsum wall	m^2	94.67
1.1.5	Demolishing the CIS roof	m^2	53.05
1.1.6	Demolishing of 7x5 cm zigba purline	ml	26.53
1.1.7	Demolishing of eucalyptus upper & lower chords	ml	81.87
1.1.8	Dimolish RHS purline	ml	44.21
1.1.9	Dimolishing the RHS truss.	ml	105.55
1.1.10	Desmantling Gutter	ml	35.83
1.1.11	Desmantling down pipe	ml	72.13
1.1.12	Demolishing the chipwood ceiling	m^2	121.95
1.1.13	Demolishing the tember ceiling	m^2	169.38
1.1.14	Demolishing the abujedid ceiling	m^2	42.34
1.1.15	Dismantle the metal doors from the wall.	m^2	175.95
1.1.16	Dismantle the metal windows from the wall.	m^2	158.36
1.1.17	Desmantling fascia board	ml	49.06
1.1.18	Desmantling ridge & copping	ml	71.67
1.1.19	Demolishing the PVC floor tile	m^2	47.33
1.1.20	Demolishing kitchen sink	pcs	72.29
1.1.21	Demolishing toilet WC,HW,turkish seat	pcs	216.88
1.1.22	Desmantling of wooden door & window	m^2	140.43
1.2	**Demolishing Work of different structures N.B. price include clearing the working area & dispose debri (at inside Construction Site) as indicated the supervisour**		
1.2.1	Masonary Structure (BGL)	m^3	594.86
1.2.2	Masonary Structure (AGL)	m^3	793.14
1.2.3	Demolishing of 25cm thick hardcore	m^2	56.04
1.2.4	Concrete Structures	m^3	2,641.14
1.2.5	10cm thick HCB Structure	m^2	56.41
1.2.6	15cm thick HCB Structure	m^2	75.38
1.2.7	20cm thick HCB Structure	m^2	105.53
1.2.8	Terrazzo floor	m^2	117.26
1.2.9	Cement screed floor	m^2	26.38

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
1.2.10	8cm thick Mass concrete floor	m^2	35.18
1.2.11	30x120x3cm thick marble tread	pcs	233.75
1.2.12	15x120x3cm thick marble riser	pcs	175.31
1.2.13	Steel Structure	Kg	10.89
1.2.14	Demolishing the ceramic wall tile	m^2	117.26
1.2.15	Demolishing the ceramic floor tile (6 & 8 mm thick)	m^2	131.91
	(From 1st -3rd floor)		
1.2.16	Concrete Structures	m^3	3,313.14
1.2.17	10cm thick HCB Structure	m^2	79.96
1.2.18	15cm thick HCB Structure	m^2	102.81
1.2.19	20cm thick HCB Structure	m^2	143.93
1.2.20	Terrazzo floor	m^2	153.52
1.2.21	Cement screed floor	m^2	34.54
1.2.22	30x120x3cm thick marble tread	m^2	288.15
1.2.23	15x120x3cm thick marble riser	m^2	216.11
1.2.24	Steel Structure	kg	13.44
1.2.25	Demolishing the ceramic wall tile	m^2	153.52
1.2.26	Demolishing the ceramic floor tile (6 & 8 mm thick)	m^2	172.71
	(From 4th -7th floor)		
1.2.27	Concrete Structures	m^3	4,129.14
1.2.28	10cm thick HCB Structure	m^2	82.69
1.2.29	15cm thick HCB Structure	m^2	106.32
1.2.30	20cm thick HCB Structure	m^2	148.85
1.2.31	Terrazzo floor	m^2	165.38
1.2.32	Cement screed floor	m^2	37.21
1.2.33	30x120x3cm thick marble tread	m^2	332.95
1.2.34	15x120x3cm thick marble riser	m^2	249.71
1.2.35	Steel Structure	kg	19.76
1.2.36	Demolishing the ceramic wall tile	m^2	189.79
1.2.37	Demolishing the ceramic floor tile (6 & 8 mm thick)	m^2	213.51
	(From 8th -12th floor)		
1.2.38	Concrete Structures	m^3	4,945.14
1.2.39	10cm thick HCB Structure	m^2	117.97
1.2.40	15cm thick HCB Structure	m^2	129.63
1.2.41	20cm thick HCB Structure	m^2	181.49

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
1.2.42	Terrazzo floor	m^2	201.65
1.2.43	Cement screed floor	m^2	45.37
1.2.44	30x120x3cm thick marble tread	m^2	387.35
1.2.45	15x120x3cm thick marble riser	pcs	290.51
1.2.46	Steel Structure	kg	19.44
1.2.47	Demolishing the ceramic wall tile	m^2	226.06
1.2.48	Demolishing the ceramic floor tile (6 & 8 mm thick)	m^2	254.31
	(From 13th -20th floor)		
1.2.49	Concrete Structures	m^3	5,761.14
1.2.50	10cm thick HCB Structure	m^2	118.96
1.2.51	15cm thick HCB Structure	m^2	152.95
1.2.52	20cm thick HCB Structure	m^2	214.13
1.2.53	Terrazzo floor	m^2	237.92
1.2.54	Cement screed floor	m^2	53.53
1.2.55	30x120x3cm thick marble tread	m^2	441.75
1.2.56	15x120x3cm thick marble riser	pcs	331.31
1.2.57	Steel Structure	kg	21.99
1.2.58	Demolishing the ceramic wall tile	m^2	262.32
1.2.57	Demolishing the ceramic floor tile (6 & 8 mm thick)	m^2	295.11
2	**Excavation and earth work /የአፈር ቁፋሮ /**		
2.1	**Site clearance and excavation (mechanized)**		
2.1.1	20cm. Clearing on wet & black soil.	m^2	103.33
2.2	**Bulk excavation in loose & dry soil**		
2.2.1	to a depth not exceeding 1.5m	m^3	369.38
2.2.2	to a depth exceeding 1.50m but not exceeding 3.00m	m^3	452.79
2.2.3	to a depth exceeding 3.00m but not exceeding 4.50m	m^3	548.30
2.2.4	to a depth exceeding 4.50m but not exceeding 6.00m	m^3	626.63
2.2.5	to a depth exceeding 6.00m but not exceeding 7.50m	m^3	731.07
2.2.6	to a depth exceeding 7.50m but not exceeding 9.00m	m^3	877.28
2.2.7	to a depth exceeding 9.00m but not exceeding 10.50m	m^3	974.75
2.3	**Pit excavation in loose & dry soil**		
2.3.1	to a depth not exceeding 1500cm loose and dry soil.	m^3	417.75
2.3.2	to a depth exceeding 1500cm but not exceeding 3000mm	m^3	477.43
2.3.3	to a depth exceeding 3000cm but not exceeding 4500mm	m^3	557.00
2.3.4	to a depth exceeding 4500cm but not exceeding 6000mm	m^3	668.40

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
2.3.5	to a depth exceeding 6000cm but not exceeding 7500mm	m^3	835.50
2.3.6	to a depth exceeding 7500cm but not exceeding 9000mm	m^3	1,055.37
2.3.7	to a depth exceeding 9000cm but not exceeding 10500mm	m^3	1,432.29
2.4	**Bulk excavation in soft rock**		
2.4.1	not exceeding 1.5m	m^3	667.39
2.4.2	Over 1.5.0m,not exceeding 3m	m^3	760.95
2.4.3	Over 3.0m,not exceeding 4.5m	m^3	923.53
2.4.4	Over 4.5m,not exceeding 6.0m	m^3	1,319.33
2.4.5	Over 6.0m,not exceeding 7.5m	m^3	1,884.76
2.4.6	Over 7.5m,not exceeding 9.0m	m^3	2,692.52
2.4.7	Over 9.0m,not exceeding 10.5m	m^3	3,846.45
2.5	**Pit excavation in soft rock**		
2.5.1	not exceeding 1.5m	m^3	830.53
2.5.2	Over 1.5.0m,not exceeding 3m	m^3	912.67
2.5.3	Over 3.0m,not exceeding 4.5m	m^3	1,129.97
2.5.4	Over 4.5.0m,not exceeding 6m	m^3	1,614.25
2.5.5	Over 6m,not exceeding 7.5m	m^3	2,306.07
2.5.6	Over 7.5m,not exceeding 9m	m^3	3,294.39
2.5.7	Over 9m,not exceeding 10.5m	m^3	4,706.26
2.6	**Bulk excavation in hard rock**		
2.6.1	not exceeding1.50m	m^3	1,369.70
2.6.2	Over 1.5m,not exceeding 3m	m^3	1,707.81
2.6.3	Over 3.0m,not exceeding 4.5m	m^3	2,053.37
2.6.4	Over 4.5m,not exceeding 6.0m	m^3	2,795.32
2.6.5	Over 6.0m,not exceeding 7.5m	m^3	3,494.14
2.6.6	Over 7.5m,not exceeding 9.0m	m^3	4,367.68
2.6.7	Over 9.0m,not exceeding 10.5m	m^3	5,138.45
2.7	**Pit excavation in hard rock**		
2.7.1	not exceeding1.50m	m^3	1,661.06
2.7.2	Over 1.5m,not exceeding 3m	m^3	2,053.51
2.7.3	Over 3.0m,not exceeding 4.5m	m^3	2,669.56
2.7.4	Over 4.5m,not exceeding 6m	m^3	3,632.06
2.7.5	Over 6.0m,not exceeding 7.5m	m^3	5,188.66
2.7.6	Over 7.5m,not exceeding 9m	m^3	7,412.37

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
2.7.7	Over 9m,not exceeding 10.5m	m^3	10,589.10
2.8	**Back fill**		
2.8.1	Back fill selected excavated mats. from the site.**(mechanized)**	m^3	995.74
2.8.2	Back fill selected excavated mats. from out side the site. (Upto 20km from Quarry site as long as Project Site) **(Mechanized)**	m^3	3,079.49
2.8.3	Back fill selected excavated mats. from out side the site. (Upto 15km from Quarry site as long as Project Site) **(Mechanized)**	m^3	2,553.42
2.8.4	Back fill selected excavated mats. from out side the site. (Upto 10km from Quarry site as long as Project Site) **(Mechanized)**	m^3	2,194.04
2.8.5	Back fill selected excavated mats. from out side the site. (Upto 5km from Quarry site as long as Project Site) **(Mechanized)**	m^3	1,834.67
2.8.6	25cm. thick basaltic hard core. **(Mechanized)**	m^2	1,110.30
3	**EXCAVATION AND EARTH WORK. (manual)**		
	20cm. Clearing on wet & black soil.	m^2	103.33
3.1	**Bulk excav.in loose and dry soil.**		
3.1.1	to a depth not exceeding 1500mm	m^3	740.78
3.1.2	to a depth exceeding 1500mm but not exceeding 3000mm	m^3	854.75
3.1.3	to a depth exceeding 3000mm but not exceeding 4500mm	m^3	966.24
3.2	**Bulk excav.in soft rock.**		
3.2.1	not exceeding 1.5m	m^3	1,478.99
3.2.2	Over 1.5.0m,not exceeding 3m	m^3	1,663.86
3.2.3	Over 3.0m,not exceeding 4.5m	m^3	2,047.83
3.3	**Bulk excav.in hard rock.**		
3.3.1	not exceeding1.50m	m^3	2,662.18
3.3.2	Over 1.5m,not exceeding 3m	m^3	3,130.35
3.3.3	Over 3.0m,not exceeding 4.5m	m^3	4,815.92
3.4	**Pit & Trench excav. in loose and dry soil.**		
3.4.1	not exceeding 1500cm	m^3	823.09
3.4.2	to a depth exceeding 1500cm but not exceeding 3000mm	m^3	1,010.16
3.4.3	to a depth exceeding 3000cm but not exceeding 4500mm	m^3	1,388.97
3.5	**Pit & Trench excav. in soft rock**		
3.5.1	not exceeding 1.5m	m^3	1,774.79
3.5.2	Over 1.5.0m,not exceeding 3m	m^3	2,218.48
3.5.3	Over 3.0m,not exceeding 4.5m	m^3	2,662.18

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
3.6	**Pit Excavation in hard rock**		
3.6.1	not exceeding 1.5m	m^3	2,957.98
3.6.2	Over 1.5m,not exceeding 3m	m^3	3,412.97
3.6.3	Over 3m,not exceeding 4.5m	m^3	5,962.56
3.7	**Trench Excavation in hard rock**		
3.7.1	not exceeding 1.5m	m^3	3,413.05
3.7.2	Over 1.5m,not exceeding 3m	m^3	4,589.97
3.7.3	Over 3m,not exceeding 4.5m	m^3	7,829.94
3.8	**Back fill**		
3.8.1	Back fill selected excavated mats. from the site. **(Manualy)**	m^3	865.86
3.8.2	Back fill selected excavated mats. from out side the site. (Upto 20km from Quarry site as long as Project Site) **(Manualy)**	m^3	3,059.49
3.8.3	Back fill selected excavated mats. from out side the site. (Upto 15km from Quarry site as long as Project Site) **(Manualy)**	m^3	2,533.42
3.8.4	Back fill selected excavated mats. from out side the site. (Upto 10km from Quarry site as long as Project Site) **(Manualy)**	m^3	2,174.04
3.8.5	Back fill selected excavated mats. from out side the site. (Upto 5km from Quarry site as long as Project Site) **(Manualy)**	m^3	1,814.67
3.8.6	Load and Cart away surplus excavated materials to 5km	m^3	590.03
3.8.7	Load and Cart away surplus excavated materials to 10km	m^3	625.79
3.8.8	Load and Cart away surplus excavated materials to 15km	m^3	731.12
3.8.9	Load and Cart away surplus excavated materials to 20km	m^3	872.85
3.8.10	25cm. thick basaltic hard core.(basaltic stone) **(Manualy)**	m^2	1,043.18
3.8.11	Supply, Spread & Compact Red Ash.	m^3	3,964.44
4	**CONCRETE WORK**		
	SUB STRUCTURE		
a	C-7 Lean Concrete (Hand mix) (C-7)	m^2	762.51
b	C-5 Lean Concrete (Hand mix) (C-5)	m^2	720.42
c	C-15 10cm thick mass concrete pavement cost include hard core & 7cm selected material.	m^2	3,461.18
d	Mortar production (1:3)	m^3	14,866.53
e	Light Weight Concrete 1:2:5	m^3	15,623.21
f	10cm Thick C-15 mass Concrete	m^2	1,571.10
g	Supply & Apply polymer modified Semi elastic cementitious coating or equivalent water proofing	m^2	741.30

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
h	Supply & Apply 4mm thick approved quality water proof membrane	m^2	1,464.53
i	Supply & Apply ACRYLIC approved quality water proof.	m^2	1,257.97
j	10mm thick stayroroam expansion joint between ground floor slab & beam.	ml	250.08
k	20mm thick stayroroam expansion joint between ground floor slab & beam.	ml	346.10
l	GRP Water Tanker with all fitting accessories	m^3	80,000.00
	SUB STRUCTURE		
4.1	**R.C. C-15 280 kg of cement per m3 with drum mixer**		
4.1.1	C-15 Concrete (Mechanical Mix) 1:2:4 with admixture	m^3	17,256.98
4.1.2	C-15 Concrete (Mechanical Mix) 1:2:4 for Footing ,Beam and slab	m^3	16,592.98
4.1.3	C-15 Concrete (Mechanical Mix) 1:2:4 for Column ,shear wall	m^3	17,214.43
4.2	**R.C. C-20 336 kg of cement per m3 with drum mixer**		
4.2.1	C-20 Concrete (Mechanical Mix) 1:2:3 with admixture	m^3	18,139.19
4.2.2	C-20 Concrete (Mechanical Mix) 1:2:3 for Footing ,Beam and sla	m^3	17,475.19
4.2.3	C-20 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m^3	18,096.43
4.3	**R.C. C-25 378 kg of cement per m3 with drum mixer**		
4.3.1	C-25 Concrete (Mechanical Mix) 1:2:3 with admixture	m^3	18,783.48
4.3.2	C-25 Concrete (Mechanical Mix) 1:2:3 for Footing ,Beam and sla	m^3	18,119.48
4.3.3	C-25 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m^3	18,740.72
4.3.4	C-25 Concrete (Mechanical Mix) 1:2:3 for 10cm thick slab	m^2	1,811.95
4.4	**R.C. C-30 420 kg of cement per m3 with drum mixer**		
4.4.1	C-30 Concrete (Mechanical Mix) 1:2:3 with admixture	m^3	19,665.48
4.4.2	C-30 Concrete (Mechanical Mix) 1:2:3 for Footing ,Beam and sla	m^3	19,001.48
4.4.3	C-30 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m^3	19,622.72
	SUPER STRUCTURE		
4.5	**R.C. C-25 378 kg of cement per m3 with drum mixer**		
4.5.1	C-25 Concrete (Mechanical Mix) 1:2:3 with admixture	m^3	19,470.33
4.5.2	C-25 Concrete (Mechanical Mix) 1:2:3 for Beam and slab	m^3	18,806.33
4.5.3	C-25 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m^3	19,517.93
4.5.4	C-25 Concrete (Mechanical Mix) 1:2:3 for Stair case	m^3	20,026.21
4.5.5	C-25 Concrete (Mechanical Mix) 1:2:3 for 15cm thick slab	m^2	2,717.92
4.5.6	C-25 Concrete (Mechanical Mix) 1:2:3 for 18cm thick slab	m^2	3,261.51
4.6	**R.C. C-30 420 kg of cement per m3 with drum mixer**		
4.6.1	C-30 Concrete (Mechanical Mix) 1:2:3 with admixture	m^3	20,352.33
4.6.2	C-30 Concrete (Mechanical Mix) 1:2:3 for Beam and slab	m^3	19,688.33

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
4.6.3	C-30 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m^3	20,399.93
4.6.4	C-30 Concrete (Mechanical Mix) 1:2:3 for Stair case	m^3	20,908.21
4.7	**READY MIX CONCRETE WITH STATIONARY PUMP**		
4.7.1	Supply and cast Reinforced concrete quality C-25,378 Kg of cement/ m^3 with water tight chemical in accordance with manufacturerTechnical data sheet instruction, filled into from work and vibrated around rod reinforcement (formwork and reinforcement measured separately). **Ready-Mix To connect stationery Pump.** Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m^3	21,224.07
4.7.2	Supply and cast Reinforced concrete quality C-30, 420 Kg of cement/ m^3 with water tight chemical in accordance with manufacturerTechnical data sheet instruction, filled into from work and vibrated around rod reinforcement (formwork and reinforcement measured separately). **Ready-Mix To connect stationery Pump.** Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m^3	22,064.07
4.7.4	Supply and cast Reinforced concrete quality C-40, 448 Kg of cement/ m^3 with water tight chemical in accordance with manufacturerTechnical data sheet instruction, filled into from work and vibrated around rod reinforcement (formwork and reinforcement measured separately). **Ready-Mix To connect stationery Pump.** Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m^3	23,639.07
4.8	**READY MIX CONCRETE WITHOUT STATIONARY PUMP**		
4.8.1	Supply and cast Reinforced concrete quality C-25,378 Kg of cement/ m^3 with water tight chemical in accordance with manufacturerTechnical data sheet instruction, filled into from work and vibrated around rod reinforcement (formwork and reinforcement measured separately) **Ready-Mix.** Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m^3	20,674.07

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
4.8.2	Supply and cast Reinforced concrete quality C-30, 420 Kg of cement/ m^3 with water tight chemical in accordance with manufacturerTechnical data sheet instruction, filled into from work and vibrated around rod reinforcement (formwork and reinforcement measured separately) **Ready-Mix .** Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m^3	21,514.07
4.8.3	Supply and cast Reinforced concrete quality C-40, 504 Kg of cement/ m^3 with water tight chemical in accordance with manufacturerTechnical data sheet instruction, filled into from work and vibrated around rod reinforcement (formwork and reinforcement measured separately) **Ready-Mix.** Unit price Shall include Water tight & Concrete bondage chemicals as well as all	m^3	23,089.07
4.9	**Form work**		
4.9.1	Wooden form work For Beam, Footing & Column.**sub structure**	m^2	1,123.78
4.9.2	Wooden form work For **Super structure** column ,Floor beam & slab.	m^2	1,140.80
4.9.3	18mm thick Fair Faced Form work (high quality playwood)	m^2	1,819.26
4.9.4	Wooden scafolding	m^2	123.90
4.10	**STEEL REINFORCEMENT**		
4.10.1	Local Re-Bar Grade 75: Dia. 6mm (Sub structure)	kg	232.49
4.10.2	Local Re-Bar Grade 75: Dia. 8mm (Sub structure)	kg	227.49
4.10.3	Local Re-Bar Grade 75: Dia. 10mm (Sub structure)	kg	227.49
4.10.4	Local Re-Bar Grade 75: Dia. 12mm (Sub structure)	kg	224.09
4.10.5	Local Re-Bar Grade 75: Dia. 14mm (Sub structure)	kg	224.09
4.10.6	Local Re-Bar Grade 75: Dia. 16mm (Sub structure)	kg	224.09
4.10.7	Local Re-Bar Grade 75: Dia. 20mm (Sub structure)	kg	224.09
4.10.8	Local Re-Bar Grade 75: Dia. 24mm (Sub structure)	kg	224.09
4.10.9	Local Re-Bar Grade 75: Dia. 32mm (Sub structure)	kg	224.09
4.10.10	Local Re-Bar Grade 75: Dia. 6mm (Super structure)	kg	234.70
4.10.11	Local Re-Bar Grade 75: Dia. 8mm (Super structure)	kg	234.70
4.10.12	Local Re-Bar Grade 75: Dia. 10mm (Super structure)	kg	234.70
4.10.13	Local Re-Bar Grade 75: Dia. 12mm (Super structure)	kg	227.13
4.10.14	Local Re-Bar Grade 75: Dia. 14mm (Super structure)	kg	227.13
4.10.15	Local Re-Bar Grade 75: Dia. 16mm (Super structure)	kg	227.13
4.10.16	Local Re-Bar Grade 75: Dia. 20mm (Super structure)	kg	227.13
4.10.17	Local Re-Bar Grade 75: Dia. 24mm (Super structure)	kg	227.13

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
4.10.18	Local Re-Bar Grade 75: Dia. 32mm (Super structure)	kg	227.13
4.10.19	Imported Re-Bar Grade 75: Dia. 8mm (Sub structure)	kg	237.28
4.10.20	Imported Re-Bar Grade 75: Dia. 10mm (Sub structure)	kg	237.28
4.10.21	Imported Re-Bar Grade 75: Dia. 12mm (Sub structure)	kg	228.88
4.10.22	Imported Re-Bar Grade 75: Dia. 14mm (Sub structure)	kg	228.88
4.10.23	Imported Re-Bar Grade 75: Dia. 16mm (Sub structure)	kg	228.88
4.10.24	Imported Re-Bar Grade 75: Dia. 20mm (Sub structure)	kg	228.88
4.10.25	Imported Re-Bar Grade 75: Dia. 24mm (Sub structure)	kg	228.88
4.10.26	Imported Re-Bar Grade 75: Dia. 30mm (Sub structure)	kg	228.88
4.10.27	Imported Re-Bar Grade 75: Dia. 32mm (Sub structure)	kg	228.88
4.10.28	Imported Re-Bar Grade 75: Dia. 8mm (Super structure)	kg	245.70
4.10.29	Imported Re-Bar Grade 75: Dia. 10mm (Super structure)	kg	245.70
4.10.30	Imported Re-Bar Grade 75: Dia. 12mm (Super structure)	kg	231.92
4.10.31	Imported Re-Bar Grade 75: Dia. 14mm (Super structure)	kg	231.92
4.10.32	Imported Re-Bar Grade 75: Dia. 16mm (Super structure)	kg	231.92
4.10.33	Imported Re-Bar Grade 75: Dia. 20mm (Super structure)	kg	231.92
4.10.34	Imported Re-Bar Grade 75: Dia. 24mm (Super structure)	kg	231.92
4.10.35	Imported Re-Bar Grade 75: Dia. 30mm (Super structure)	kg	231.92
4.10.36	Imported Re-Bar Grade 75: Dia. 32mm (Super structure)	kg	231.92
5	**Masonary & block work**		
5.1.1	40cm. thick masonry foundation (A.G.L) Cement Mortar 1:3.	m3	8,843.36
5.1.2	50cm. thick masonry foundation (A.G.L) Cement Mortar 1:3.	m3	8,727.17
5.1.3	60cm. thick masonry foundation (B.G.L) Cement Mortar 1:3.	m3	8,640.77
5.1.4	40cm. thickOne Side Roughly Dressed Stone masonry (A.G.L) Cement Mortar 1:3.	m3	9,640.29
5.1.5	50cm. thickOne Side Roughly Dressed Stone masonry (A.G.L) Cement Mortar 1:3.	m3	9,500.15
5.1.6	60cm. thickOne Side Roughly Dressed Stone masonry (A.G.L) Cement Mortar 1:3.	m3	9,398.71
5.1.7	50cm. thick masonry foundation (B.G.L) Cement Mortar 1:3.	m3	8,485.78
5.1.8	40cm. thick masonry foundation (B.G.L) Cement Mortar 1:3.	m3	8,906.50
5.1.9	400mm thick Finely dressed elevation wall Cement Mortar 1:3.	m2	3,829.38
5.1.10	500mm thick Finely dressed elevation wall Cement Mortar 1:3.	m2	5,378.33
5.1.11	10 cm. thick class-c HCB Wall Both Sides Left For Plastering.	m2	1,219.01
5.1.12	10 cm. thick class-c Solid CB Wall Both Sides Left For Plastering.	m2	1,374.00

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
5.1.13	15 cm. thick class-c HCB Wall Both Sides Left For Plastering.	m2	1,494.09
5.1.14	15 cm. thick class-c Solid CB Wall Both Sides Left For	m2	1,608.92
5.1.15	20 cm.thick class-c HCB Wall Both Sides Left For Pointing	m2	1,724.77
5.1.16	20 cm. thick class-c Solid CB Wall Both Sides Left For Plastering.	m2	1,884.54
5.1.17	10 cm. thick class-b HCB Wall Both Sides Left For Plastering.	m2	1,401.50
5.1.18	10 cm. thick class-b Solid CB Wall Both Sides Left For Plastering.	m2	1,623.48
5.1.19	15 cm. thick class-b HCB Wall Both Sides Left For Plastering.	m2	1,683.77
5.1.21	15 cm. thick class-b Solid CB Wall Both Sides Left For Plastering.	m2	2,105.31
5.1.22	20 cm.thick class-b HCB Wall Both Sides Left For Pointing	m2	2,297.43
5.1.23	20 cm. thick class-b Solid CB Wall Both Sides Left For	m2	2,732.35
5.1.24	10 cm. thick class-a HCB Wall Both Sides Left For Plastering.	m2	1,777.22
5.1.25	10 cm. thick class-a Solid CB Wall Both Sides Left For	m2	2,199.61
5.1.26	15 cm. thick class-a HCB Wall Both Sides Left For Plastering.	m2	2,235.57
5.1.27	15 cm. thick class-a Solid CB Wall Both Sides Left For Plastering.	m2	2,817.98
5.1.28	20 cm.thick class-a HCB Wall Both Sides Left For Pointing	m2	2,391.02
5.1.29	20 cm. thick class-a Solid CB Wall Both Sides Left For Plastering.	m2	3,436.95
5.1.30	40 cm.thick Dressed Stone Masonry Wall one Side well dressed & the other plastered	m2	7,418.91
5.1.31	250mm .thick Double Brick Wall	m2	5,824.09
5.1.32	120mm .thick Single Brick Wall	m2	3,012.64
5.1.33	Chika wall with all wood work /እንጨት በጭቃ ግድግዳ/	m2	1,509.37
5.1.34	Eucalyptus wood wall with all wood work /እንጨት ግድግዳ/	m2	1,369.78
5.1.35	2.5cm thick Timber wall with 10cm & 6cm dia. Eucalyptus and all wood work/ሳንቃ ጣውላ ግድግዳ/	m2	1,821.90
5.1.36	G32 CIS with Euculyptus /ለእጥር የሚሆን ቆርቆሮ እንጨት ግድግዳ/	m2	1,097.02
5.1.37	8mm thick Chipwood wall with Eucalyptus dia.10cm and 5x7cm shashemene batten.	m2	1,506.60
5.1.38	18mm thick Laminated MDF Wall with 5x7cm Shashemene batten wood work and all necessary work.	m2	3,221.23
5.1.39	18mm thick Laminated MDF Wall. With out batten	m2	2,746.83

IT.NO	DESCRIPTION	UNIT	2019 1st Quarter (Direct cost Only)
5.1.40	20x20mm and 1.5mm thick Wire mesh wall Welded on the frame	m2	1,097.37
5.1.41	Barbed wire fence with 40x40x3mm Angle Iron Frame	m2	1,233.97
5.1.42	Supply & lay class A galvanized 800*1000*2.5cm hexagonal Mesh rock size 100- 250 for **1m^3** as directed by the engineer. (ጋቢዮኑ በእጅ የተሰራ)	m^3	6,959.18
5.1.45	Supply & lay class A galvanized 800*1000*2.5cm hexagonal Mesh rock size 100- 250 for 2**m^3** as directed by the engineer. Fabiricated (ጋቢዮኑ በማሽንየተሰራ)	m^3	7,159.18
6.00	**Shear Wall for river side**		
	R.C. C-25 378 kg of cement per m3		
6.1.1	C-25 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m^3	18,934.66
7.00	**R.C. C-30 420 kg of cement per m3**		
7.1.1	C-30 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m^3	19,816.66
7.1.2	18mm thick Fair Faced Form work (high quality playwood) with crane.	m^2	2,145.35
8	**GROUTING WORKS**		
	Supply of Non-Shrink Grout		
8.1	Supply and apply approved MC-Bauchemie Emcekrete GP or equivalent high-strength, flowable, non-shrink cementitious grout to fill voids, gaps, and cavities, including grouting beneath base plates and structural supports where specified. The work shall include surface preparation, removal of loose materials and contaminants, pre-wetting where required, mixing with clean water in accordance with the manufacturer's instructions, placement, complete filling, and appropriate curing and protection. The grout shall comply with the specified compressive strength, flowability, and non-shrink performance requirements. Include all materials, labour, equipment, tools, and accessories necessary for complete execution,	m^3	22,000.00

item no.	Description	unit	2019 1st Quarter (Only Direct cost)
6	Roof work		
6.1	EGA roof coover the price includes J-bolt		
6.1.1	Galvanized EGA 300 roof cover		
1	0.30 mm thick	m^2	1,699.60
2	0.35 mm thick	m^2	1,897.47
3	0.40 mm thick	m^2	2,078.50
4	0.50 mm thick	m^2	2,279.07
5	0.60 mm thick	m^2	2,577.11
6	0.70 mm thick	m^2	2,880.05
7	0.80 mm thick	m^2	3,024.99
8	1.00 mm thick	m^2	3,278.24
6.1.2	Galvanized EGA 400 roof cover		
1	0.30 mm thick	m^2	1,964.41
2	0.35 mm thick	m^2	2,173.70
3	0.40 mm thick	m^2	2,398.91
4	0.50 mm thick	m^2	2,585.11
5	0.60 mm thick	m^2	2,840.24
6	0.70 mm thick	m^2	3,050.55
7	0.80 mm thick	m^2	3,259.12
8	1.00 mm thick	m^2	3,451.58
6.1.3	Galvanized EGA 500 roof cover		
1	0.30 mm thick	m^2	2,008.58
2	0.35 mm thick	m^2	2,300.87
3	0.40 mm thick	m^2	2,462.20
4	0.50 mm thick	m^2	2,699.06
5	0.60 mm thick	m^2	2,893.91
6	0.70 mm thick	m^2	3,097.78
7	0.80 mm thick	m^2	3,385.91
8	1.00 mm thick	m^2	3,666.66
6.1.4	Galvanized EGA 600 roof cover		
1	0.30 mm thick	m^2	2,084.01
2	0.35 mm thick	m^2	2,310.91
3	0.40 mm thick	m^2	2,476.51
4	0.50 mm thick	m^2	2,719.65
5	0.60 mm thick	m^2	2,913.48
6	0.70 mm thick	m^2	3,162.24
7	0.80 mm thick	m^2	3,495.44
8	1.00 mm thick	m^2	3,820.11
6.1.5	Galvanized EGA 700 roof cover		
1	0.30 mm thick	m^2	2,172.05
2	0.35 mm thick	m^2	2,323.81
3	0.40 mm thick	m^2	2,493.44
4	0.50 mm thick	m^2	2,791.28
5	0.60 mm thick	m^2	3,008.57
6	0.70 mm thick	m^2	3,186.33
7	0.80 mm thick	m^2	3,454.91
8	1.00 mm thick	m^2	3,830.01
9	EGA 0.4mm thick (G-28) Coated roof cover	m^2	2,087.02
10	EGA 0.4mm thick (G-28) Coated For Wall	m^2	1,899.19
11	EGA 0.4mm thick (G-28) Coated For Wall with 10cm Dia. Vertical member & 6cm Dia. Horizontal members Euculyptus/ለሉፕር የሚሆን የተቀባ ኤጋ ከቆርቆር የለገጨት ግድግዳ ጋር/	m^2	2,178.56
6.2	Gutter/ሳሪገዳዮ/		
	Galvanized metal sheet gutter /ሳሪገዳዮ/		
6.2.1	G- 28 of devt. Length 33 cm	ml	913.97
6.2.2	G- 30 of devt. Length 33 cm	ml	836.56
6.2.3	G- 28 of devt. Length 40 cm	ml	1,076.83
6.2.4	G- 30 of devt. Length 40 cm	ml	948.35
6.2.5	G- 28 of devt. Length 50 cm	ml	1,293.47
6.2.6	G- 30 of devt. Length 50 cm	ml	1,008.73
6.2.7	G- 28 of devt. Length 67 cm	ml	1,421.25
6.2.8	G- 30 of devt. Length 67 cm	ml	1,139.51
6.2.9	G- 28 of devt. Length 100 cm	ml	1,568.42
6.2.10	G- 30 of devt. Length 100 cm	ml	1,389.83

Prepared by:- Tedi M.

Checked by:-Henok A.

Approved by:-Hirut A.

item no.	Description	unit	2019 1st Quarter (Only Direct cost)
6	Down pipe (አሸንዳ)		
6.3.1	G- 28 of devt. Length 33 cm	ml	1,016.95
6.3.2	G- 30 of devt. Length 33 cm	ml	992.47
6.3.3	G- 28 of devt. Length 40 cm	ml	1,132.88
6.3.4	G- 30 of devt. Length 40 cm	ml	1,014.40
6.3.5	G- 28 of devt. Length 50 cm	ml	1,182.97
6.3.6	G- 30 of devt. Length 50 cm	ml	1,137.93
6.4	PVC down pipe PN 4		
6.4.1	PVC down pipe Dia.75mm	ml	488.33
6.4.2	PVC down pipe Dia.110mm	ml	594.11
6.4.3	PVC down pipe Dia.160mm	ml	1,024.11
6.6	Galvanized steel flashing		
6.6.1	G-30 deve.length 50cm	ml	1,196.92
6.6.2	G-30 deve.length 67cm	ml	1,261.31
6.6.3	G-30 deve.length 100cm	ml	1,555.31
6.6.4	G-28 deve.length 50cm	ml	1,359.49
6.6.5	G-28 deve.length 67cm	ml	1,579.99
6.6.6	G-28 deve.length 100cm	ml	1,686.28
6.7	Galvanized steel copping		
6.7.1	G-28 deve.length 25cm	ml	736.78
6.7.2	G-30 deve.length 25cm	ml	679.66
6.7.3	G-28 deve.length 33cm	ml	962.57
6.7.4	G-30 deve.length 33cm	ml	726.58
6.7.5	G-28 deve.length 50cm	ml	996.88
6.7.6	G-30 deve.length 50cm	ml	911.20
6.8	Galvanized steel roof ridge		
6.8.1	G-28 deve.length 33cm	ml	846.11
6.8.2	G-30 deve.length 33cm	ml	744.11
6.8.3	G-28 deve.length 50cm	ml	978.71
6.8.4	G-30 deve.length 50cm	ml	835.91
6.9	CIS Roofing		
6.9.1	G28 CIS Roofing (Without Truss & Purlin)	m^2	1,379.99
6.9.2	G30 CIS Roofing (Without Truss & Purlin)	m^2	1,239.45
6.9.3	G32 CIS Roofing (Without Truss & Purlin)	m^2	1,007.02
6.9.4	G35 CIS Roofing (Without Truss & Purlin)	m^2	843.32
6.9.5	Aspesto roof cover with all necessory works.	m^2	850.50
6.9.6	Euro tile roof cover with all necessory works.	m^2	881.70
6.9.7	Grass roof cover with all necessory works.	m^2	836.67
6.9.8	2mm thick Transparent fiber Roof cover (Corrugated Type)	m2	1,291.77
6.9.9	Supply and fix 6mm thick hollow polycarbonate sheet for roof covering. Price shall includes all necssary accessories.	m2	3,197.55
6.9.10	Supply and fix 12mm thick hollow polycarbonate sheet for roof covering. Price shall includes all necssary accessories.	m2	5,044.84
6.9.11	Supply and fix 3mm thick solid polycarbonate sheet for roof covering. Price shall includes all necssary accessories.	m2	4,994.68
6.9.12	Supply and fix 5mm thick solid polycarbonate sheet for roof covering. Price shall includes all necssary accessories.	m2	9,970.95
6.9.13	G-32 CIS roof with Shashemene Zigba purline (4x5cm)	m^2	1,479.55
6.9.14	Tsid Timber cladding 1cm for decorating roof purlin /የጣራ ግልላ ፐርሊን ጌጥ/	m^2	1,840.55

Prepared by:- Tedi M.

Checked by:- Henok A.

Approved b:-Hirut A.

Item no.	Description	unit	2019 1st Quarter (only Direct cost)
	CARPENTRY AND JOINERY		
	Ceiling		
7.1	supply & fix Abujedy ceiling with 5x4cm Shashemene batten	m^2	1,111.97
7.2	supply & fix Fyzil ceiling 5x4cm Shashemene batten	m^2	2,121.63
7.3	supply & fix Parquet ceiling 5x4cm Shashemene batten	m^2	4,018.36
7.4	supply & fix 1cm thick Timber ceiling /ማሆጋኒ ኮርኒስ/ with 5x4cm Shashemene batten	m^2	2,215.52
7.5	supply & fix Purline ceiling 5x4cm Shashemene batten	m^2	1,664.14
7.6	supply & fix Playwood ceiling /Compensato/ 5x4cm Shashemene batten	m^2	2,801.49
7.70	supply & fix Rush ceiling /ሸንበቆ ኮርኒስ/ Compensato 5x4cm Shashemene batten	m^2	1,180.14
7.80	supply & fix Ceiling made with plastic sack/ማዳበሪያ ኮርኒስ/ 5x4cm Shashemene batten	m^2	1,083.22
7.90	supply & fix Ceiling made with sack /ሾንታ/ 5x4cm Shashemene batten	m^2	803.22
7.10	supply & fix 8mm. thick chipwood Ceiling with 5x4cm Shashemene batten	m^2	2,669.11
7.11	Supply and fix 9mm thick suspended gypsum board ceiling with suspension type grid system with main runners and cross tees, material galvanized steel. Price shall include all necessary accessories	m^2	3,201.38
7.12	Supply and fix 10mm thick magnesium boar ceiling with suspension type grid system with main runners and cross tees, material galvanized steel. Price shall include all necessary accessories	m^2	4,908.50
7.13	supply & fix Armstrong acoustical ceiling With Suspender and all accessories	m^2	3,812.00
7.14	supply & fix Mineral fiber accoustic ceiling With all accessories	m^2	3,312.00
7.15	supply & fix local gypsum ceiling with out batten	m^2	962.00
7.16	supply & fix PVC ceiling (laminated/imported) with 5x4cm Shashemene batten & corner list	m^2	2,803.13
7.17	supply & fix 25 cm. Wide Kerrero Facia Board	ml	897.28
7.18	supply & fix 30 cm. Wide Kerrero Facia Board	ml	1,025.08
	Wooden truss & purlin		
7.19	supply & fix 10-12 cm. dia. Vertical Chords Eucaliptus Wood.	ml	240.86
7.20	supply & fix 8-10 cm. dia. Vertical & Diagonal member Eucaliptus Wood.	ml	226.60
7.21	supply & fix Diam. 6 cm thick eucalyptus purlin	ml	147.51
7.22	supply & fix 50 X 70mm. Tid (Shashemene) Roof Purlin	ml	410.33
	Doors		
7.23	supply & fix 40mm thick Mahogany plywood smooth finish flush wooden door /ቃምቻራታ ፀር / with all necessary accessories.	m^2	16,500.00
7.24	supply & fix 40mm thick Smooth MDF board made imported wooden door (best quality) with all necessary accessories.	m^2	19,600.00
7.25	supply & fix 40mm thick Antique MDF board wooden door with all necessary accessories.	m^2	19,900.00
7.26	supply & fix 40mm thick Solid wooden door (best quality standard) with all necessary accessories.	m^2	23,700.00
7.27	Supply and fix best quality PVC Door have weather resistant, energy efficient, stylish design perfect for both interior and exterior part, easy to clean unit price includes best quality cylindrical door lock and all necessary accessary works and materials to fulfil the job	m^2	13,100.00
7.28	supply and fix 12mm thickness high pressure laminated (HPL) door with stainless steel frame. Price shall includes all necessary accessories and related works.	m2	18,300.00
7.29	supply and fix 12mm thickness high pressure laminated (HPL) partition with stainless steel frame. Price shall includes all necessary accessories and related works.	m2	16,700.00
7.30	1cm thick timber door with 5cm wide fascia board /መናኛ ፕርሊን ማውላ በር ከመታን ጋር መስታወት የሌለው/	m^2	2,840.29
7.31	3cm thick timber door /ፕርሊን ማውላ በር መስታወት የሌለው /	m^2	2,790.14
7.32	1cm thick timber window /መናኛ ፕርሊን ማውላ መስኮት ከመታን ጋር መስታወት የሌለው /	m^2	2,032.31
7.33	3cm thick timber window /ፕርሊን ማውላ መስኮት መስታወት የሌለው/	m^2	2,032.31
7.34	3cm thick timber window with 4mm thick glass /ፕርሊን ማውላ መስኮት መስታወት ያለው/	m^2	4,254.96
7.35	G-32 CIS door with all wood work /የቀርቀር በር ከመታን ጋር/	m^2	2,568.25
7.36	G-32 CIS window with all wood work /የቀርቀር መስኮት ከመታን ጋር/	m^2	1,478.44
7.37	1cm Timber /Taid/ door /የጃይ ማውላ በር /	m^2	1,914.46
7.38	1cm Timber /Taid/ window /የጃይ ማውላ መስኮት /	m^2	1,965.46
8.00	METAL WORK		
8.1	Fully metal doors of 38mm LTZ without grill (1.5mm thick)	m^2	6,058.47
8.2	Partially glazed metal doors of 38LTZ without grill	m^2	5,802.37
8.3	Partially glazed metal doors of 38mm LTZ with grill (1.5mm thick)	m^2	6,158.93
8.4	Metal Windows of 38LTZ without grill (1.5mm thick)	m^2	5,053.98
8.5	Metal Windows of 38LTZ (1.5mm thick) with grill	m^2	6,957.79
8.6	Double leaf metal doors of 38mmLTZ without grill (1.5mm thick)	m^2	5,760.88

prepared by:- Tewodros Moges. checked by:- Henok Abebe. Approved by:- Hirut Ayalew.

Item no.	Description	unit	2019 1st Quarter (only Direct cost)
8.7	Double leaf metal doors of 38mmLTZ with grill (1.5mm thick)	m^2	6,343.17
8.8	Fully metal doors of 28mm LTZ without grill (1.2mm thick)	m^2	5,730.57
8.9	Partially glazed metal doors of 28mm LTZ without grill (1.2mm thick)	m^2	4,864.41
8.10	Partially glazed metal doors of 28mm LTZ with grill (1.2mm thick)	m^2	5,370.49
8.11	Metal Windows of 28LTZ without grill (1.2mm thick)	m^2	4,059.34
8.12	Metal Windows of 28LTZ with grill (1.2mm thick)	m^2	4,904.73
8.13	Double leaf metal doors of 28mmLTZ without grill (1.2mm thick)	m^2	4,865.72
8.14	Double leaf metal doors of 28mmLTZ with grill (1.2mm thick)	m^2	5,560.89
8.16	Supply & fix 1mm thick metal sheet Sliding door & window. Price shall include Angle iron 40X40X3mm Bottom rail & RHS 50X50X2.5mm at top rail and all accessories.	m^2	4,469.56
8.17	supply & fix Sheet metal partition wall (1mm thick Lamera) with RHS 30x30x2.5	m^2	4,720.32
8.18	supply & fix 1mm thick Sheet metal (Lamera) partition wall with one coat of anti rust and with all necessary accessories.	m^2	2,440.08
8.19	supply & fix 2mm thick Sheet metal (Lamera) partition wall with one coat of anti rust and with all necessary accessories.	m^2	3,928.78
8.20	supply & fix 3mm thick Sheet metal (Lamera) partition wall with one coat of anti rust and with all necessary accessories.	m^2	6,487.48
8.21	supply & fix 1mm thick CNC cut Sheet metal (Lamera) partition wall with one coat of anti rust and with all necessary accessories.	m^2	3,940.08
8.22	supply & fix 2mm thick CNC cut Sheet metal (Lamera) partition wall wall with one coat of anti rust and with all necessary accessories.	m^2	5,428.78
8.23	supply & fix 3mm thick CNC cut Sheet metal (Lamera) partition wall wall with one coat of anti rust and with all necessary accessories.	m^2	7,987.48
8.24	supply & fix 6mm thick metal plate with all necessary accessories.	m^2	11,700.00
8.25	supply & fix 8mm thick metal plate with all necessary accessories.	m^2	14,900.00
8.26	supply & fix 10mm thick metal plate with all necessary accessories.	m^2	16,900.00
8.27	supply & fix 12mm thick metal plate with all necessary accessories.	m^2	19,500.00
	Almunium Work		
8.28	Supply & fix 1.6mm thick Aluminium frame window with 6mm thick clear glazed with all necessary accessories	m^2	17,484.29
8.29	Supply & fix 1.6mm thick Aluminium frame window with 6mm thick double clear glazed with all necessary accessories	m^2	20,988.00
8.30	supply & fix 1.6mm thick Aluminium framed window with 8mm thick clear glazed with all necessary accessories	m^2	19,232.72
8.31	supply & fix 1.6mm thick Aluminium frame window with 8mm thick double clear glazed with all necessary accessories	m^2	23,635.10
8.32	supply & fix Aluminium sun breaker (vertical sun breaker with 150*mm*150mm*1.4mm) with 1meter C/C spacing all necessary accessories	m^2	11,580.50
8.33	supply & fix 1.6mm thick Aluminium Curtain wall 6mm thick clear glass with all necessary accessories (External)	m^2	23,468.60
8.34	supply & fix 1.6mm thick Aluminium Curtain wall 8mm thick clear glass with all necessary accessories (External)	m^2	25,477.10
8.35	supply & fix 1.6mm Aluminium partition wall with 6mm thick frosted clear glass with all necessary accessories.	m^2	16,750.56
8.36	supply & fix 1.4mm Aluminium partition wall with 6mm thick frosted clear glass with all necessary accessories.	m^2	15,492.73
8.37	supply & fix 2mm Aluminium partition wall with 6mm thick frosted clear glass with all necessary accessories.	m^2	17,065.01
8.38	supply & fix 1.6mm thick Aluminium frame door with 6mm thick clear glass with all necessary accessories.	m^2	19,100.50
8.39	supply & fix 1.6mm thick Aluminium frame door with 4mm thick clear glass with all necessary accessories.	m^2	16,707.00
8.40	supply & fix 1.6mm thick Aluminium frame window with 4mm thick clear glass with all necessary accessories.	m^2	16,562.50
8.41	supply & fix 1.6mm thick Aluminium frame door with 5mm thick clear glass with all necessary accessories.	m^2	17,755.00
8.42	supply & fix 1.6mm thick Aluminium frame window with 5mm thick clear glass with all necessary accessories.	m^2	16,855.38
8.43	supply & fix 2mm thick Aluminium frame door with 8mm thick clear glass with all necessary accessories.	m^2	20,394.40
8.44	supply and fix 2mm thick aluminum profile window with 6mm thick tinted glass with all necessary accessories.	m^2	19,266.21
8.40	supply and fix 2mm thick aluminum profile Door with 6mm thick tinted glass with all necessary accessories.	m^2	19,981.00
8.45	upply and install anodized aluminium-framed skylight glazing, including 8 mm thick Laminated glass glass, aluminium rectangular sections of 60 × 40 mm arranged at 600 × 800 mm centres and fixed to the supporting RHS (Rectangular Hollow Section) framework. The rate shall include all necessary works.	m^2	27,285.58
8.46	Supply & fix 1.6mm thick Aluminium window Frames with all necessary accessories (Only Frame works).	m^2	14,300.00
8.47	Supply & fix 1.6mm thick Aluminium Door Frames with all necessary accessories (Only Frame works).	m^2	15,900.00
8.48	Supply & fix 2mm thick Aluminium window Frames with all necessary accessories (Only Frame works).	m^2	16,000.00
4.49	Supply & fix 2mm thick Aluminium Door Frames with all necessary accessories (Only Frame works).	m^2	16,700.00

prepared by:- Tewodros Moges. checked by:- Henok Abebe. Approved by:- Hirut Ayalew.

Item no.	Description	unit	2019 1st Quarter (only Direct cost)
	STEEL STRUCTURE WORK		
8.50	Supply and fix different size and thickness Steel Roof Truss & Purlin With RHS. price shall include three coat antirust and the necessory works and materials to full fill the job.	kg	318.94
8.51	Supply and fix different size and thickness Metal hand rail made of RHS, CHS and SHS . price shall include three coat antirust and the necessory works and materials to full fill the job.	kg	301.51
8.52	Supply and fix different size and thickness Stainless steel hand rail made of RHS, CHS and SHS . price shall include all the necessory works and materials to full fill the job.	kg	1,450.00
8.53	Supply and fix different size and thickness Aluminum works . price shall include all the necessory works and materials to full fill the job.	kg	750.00
8.54	Supply and fix different size and thickness Cast Iron Metal . price shall include all the necessory works and materials to full fill the job.	kg	350.00
8.55	Supply & fix metal angle iron 30*30*3mm with all necessary accessories.	ml	491.24
6.56	Supply & fix metal angle iron 40*40*3mm with all necessary accessories.	ml	552.96
8.57	Supply & fix metal angle iron 50*50*3mm with all necessary accessories.	ml	644.04
8.58	dia. 16 mm. deformed bars dev. Length 400mm (J-bolt)	Pcs	225.54
8.59	dia. 12 mm. deformed bars dev. Length 100mm(J-bolt)	Pcs	20.64
8.60	dia. 14 mm. deformed bars dev. Length 160mm(J-bolt)	Pcs	68.02
8.61	dia. 20 mm. Anchor bolt dev. Length 400mm	Pcs	424.71
8.62	supply fix Galvanized different size RHS Middle vertical post	kg	380.00
8.63	supply & fix Galvanized different size Connector plates to ground and top	kg	415.00

prepared by:- Tewodros Moges. checked by:- Henok Abebe. Approved by:- Hirut Ayalew.

9	FINISHING WORKS	Unit	2019, 1st Quarter Direct Cost Only
9.1	**PLASTERING**		
9.1.2	3 Coats of cement plastering (1:3) (To internal wall)	m^2	907.73
9.1.3	3 Coats of cement plastering (1:3) (To external wall)	m^2	919.25
9.1.4	3 Coats of cement plastering to exposed beams and columns.	m^2	975.49
9.1.5	3 Coats of cement plastering to Slab soffit beams soffit	m^2	1,106.99
9.1.6	2 Coats of cement plastering intenal vertical surface.	m^2	711.94
9.1.7	2 Coats of cement plastering External vertical surface.	m^2	711.94
9.1.8	Cement wash vertical surface.	m^2	305.85
9.1.9	2 Coats of cement plastering Exposed column and beam	m^2	713.86
9.1.10	2 Coats of cement plastering concrete soffit	m^2	875.12
9.1.11	Final Coat of cement Rendering .	m^2	215.03
9.1.12	Final Coat of cement plastering vertical and exposed column and beam	m^2	202.63
9.1.13	Final Coat of cement plastering concrete soffit	m^2	275.89
9.1.14	Final Coat of Gypsum plastering Soffit	m^2	339.86
9.1.15	Final Coat of Gypsum plastering Vetical wall and Exposed column and beam	m^2	289.14
9.1.16	Final Coat of Gypsum plastering external Vetical wall and Exposed column and beam	m^2	266.60
9.2	**POINTING**		
9.2.1	Cement pointing to H.C.B.wall surface (1:3).	m^2	227.24
9.2.2	Cement pointing to Brick.wall surface (1:3).	m^2	364.70
9.2.3	Cement pointing to stonemasonry.wall surface (1:3).	m^2	403.25
9.3	**FLOORING**		
9.3.1	2mm. thick PVC flooring. with Adhesive glue	m^2	1,604.82
9.3.2	10cmx10cmx10cm Coble Stone with sand bed and 40cm selected material	m^2	4,192.47
9.3.3	3cm. Thick cement screed flooring (1:3)	m^2	760.82
9.3.4	5cm. Thick cement screed flooring (1:3)	m^2	1,102.57
9.3.5	10 mm thick Ceramic floor tile with Adhesive powder (Local)	m^2	2,893.75
9.3.6	9 mm thick Ceramic floor tile with Adhesive powder (Local)	m^2	2,587.75
9.3.7	8mm thick Ceramic floor tile with Adhesive powder (Local)	m^2	2,230.75
9.3.8	8mm thick Porcelain floor tile with adhesive powder	m^2	3,861.42
9.3.10	9mm thick Porcelain floor tile with adhesive powder	m^2	4,065.42
9.3.11	10mm thick Porcelain floor tile adhesive powder	m^2	4,167.42
9.3.12	supply and apply 2mm thick Epoxy resins floor topping with one coat primer coating.	m^2	3,250.00
9.3.13	supply and apply 3mm thick Epoxy resins floor topping with one coat primer coating.	m^2	4,100.00
9.3.14	supply and apply 5mm thick Epoxy resins floor topping with one coat primer coating.	m^2	5,500.00
9.3.15	supply and apply 2mm thick Epoxy resins floor topping with one coat primer coating.(price includes UV resistance work)	m^2	4,200.00
9.3.16	supply and apply 3mm thick Epoxy resins floor topping with one coat primer coating.(price includes UV resistance work)	m^2	5,000.00
9.3.17	supply and apply 5mm thick Epoxy resins floor topping with one coat primer coating.(price includes UV resistance work)	m^2	6,500.00
9.3.13	Terrazzo tile flooring size 40cm x 40cmx40mm thick for pedestrian with cement mortar bedding (1:3)	m^2	2,155.81
9.3.14	30mm thick Terrazzo tile flooring /ለቤት ውስጥ ውለል ንጣፍ አገልግሎት ብቻ/ (1:3) (Local)	m^2	2,108.01
9.3.15	20mm thick high quality polished Terrazzo tile flooring /ለቤት ውስጥ ውለል ንጣፍ አገልግሎት ብቻ/(1:3) (Local)	m^2	2,053.81
9.3.24	1cm thick Granite flooring (1:3)(Local).	m^2	7,466.44
9.3.25	2cm thick Granite flooring (1:3)(Local).	m^2	8,383.29
9.3.26	3cm thick Granite flooring (1:3).(Local)	m^2	8,765.76
9.3.27	1cm thick Marble flooring (1:3).(Local)	m^2	9,255.54
9.3.28	2cm thick Marble flooring (1:3).(Local)	m^2	9,974.84

Prepared by :- Betelhem Amare.

Checked by :- Henok Abebe.

Approved by:-Hirut Ayalew

9	FINISHING WORKS	Unit	2019, 1st Quarter Direct Cost Only
9.3.29	3cm thick Marble flooring (1:3)(Local).	m^2	10,479.99
9.3.30	Parquet (Tid) Flooring with two coat Varnish paint	m^2	3,894.64
9.4	**WALL TILE CLADING**		
9.4.1	6mm thick Ceramic wall tiles with adhesive powder (Local)	m^2	2,823.17
9.4.2	8mm thick Ceramic wall tiles with adhesive powder (Local)	m^2	3,269.31
9.4.3	Supply and fix lay ceramic standared quality mosaic to external wall . Price includes addhesive powder bedding & white cement grouting.	m^2	9,287.31
9.4.4	20mm thick Marble wall Cladding (Cement mortar ratio1:2).(Local)	m^2	12,024.21
9.4.5	20mm thick Granite wall Cladding (Cement mortar ratio1:2).(Local)	m^2	10,533.79
9.4.6	2mm PVC wall tile type cladding by Animal glue	m^2	1,448.58
9.4.7	Aluminium cladding 4mm thick (Silver) with Adhesive	m^2	3,669.49
9.4.8	Aluminium cladding 4mm thick (golden) with Adhesive	m^2	4,065.34
9.4.9	Aluminium cladding 4mm thick (Silver) on RHS Structure. Price Exclude RHS Structure)	m^2	4,154.49
9.4.10	Aluminium cladding 4mm thick (golden) on RHS Structure. Price Exclude RHS Structure)	m^2	4,550.34
9.4.11	Aluminium cladding 4mm thick (Silver) with T & U Frames.	m^2	7,874.98
9.4.12	Aluminium cladding 4mm thick (golden) with T & U Frames.	m^2	8,289.68
9.4.13	4mm thick CNC cut Aluminium (Silver) for partition wall.	m^2	5,255.08
9.4.14	4mm thick CNC cut Aluminium(golden) for partition wall	m^2	5,650.93
9.4.15	4mm thick CNC cut Aluminium cladding (Silver) on RHS Structure. Price Exclude RHS Structure)	m^2	5,729.49
9.4.16	4mm thick CNC cut Aluminium cladding (golden) on RHS Structure. Price Exclude RHS Structure)	m^2	6,125.34
9.4.17	Ambo stone cladding for wall	m^2	4,342.73
9.4.18	Ambo stone cladding for column & right angle structure	m^2	6,233.40
9.4.19	pu stone cladding with adhesive	m^2	10,401.13
9.5	**WINDOW SILL(Local)**		
9.5.1	30mm. Thick & 220mm width Marble window sill (1:3) on HCB.	ml	2,795.51
9.5.2	30mm. Thick & 280mm width Marble window sill (1:3) on HCB.	ml	3,351.57
9.5.3	30mm. Thick & 300mm width Marble window sill (1:3) on HCB.	ml	3,629.60
9.5.4	30mm. Thick & 470mm width Marble window sill (1:3) on HCB.	ml	5,205.09
9.5.5	30mm. Thick & 520mm width Marble window sill (1:3) on HCB.	ml	5,390.44
9.6	**THREAD**		
9.6.1	**MARBLE THREAD (Local)**		
9.6.1.1	280mm wide & 30mm. thick marble threads.(1:3)	ml	3,433.62
9.6.1.2	300mm wide & 30mm. thick marble threads.(1:3)	ml	3,622.68
9.6.1.3	330mm wide & 30mm. thick marble threads.(1:3)	ml	3,906.26
9.6.1.4	280mm wide & 20mm. thick marble threads.(1:3)	ml	3,244.44
9.6.1.5	300mm wide & 20mm. thick marble threads.(1:3)	ml	3,419.98
9.6.1.6	330mm wide & 20mm. thick marble threads.(1:3)	ml	3,683.30
9.6.2	**GRANITE THREAD (Local)**		
9.6.2.1	280mm.wide & 30mm thick Granite Treads .(1:3)	ml	2,835.44
9.6.2.2	300mm.wide & 30mm thick Granite Treads .(1:3)	ml	3,001.48
9.6.2.3	330mm.wide & 30mm thick Granite Tread .(1:3)	ml	3,250.55
9.6.2.4	280mm.wide & 20mm. thick Granite Tread .(1:3)	ml	2,724.05
9.6.2.5	300mm.wide & 20mm. thick Granite Tread .(1:3)	ml	2,882.14
9.6.2.6	330mm.wide & 20mm. thick Granite Tread .(1:3)	ml	3,119.27
9.6.3	**TERRAZZO THREAD(Local)**		
9.6.3.1	280mm.wide & 30mm. thick Terrazo threads.(1:3)	ml	792.44

Prepared by :- Betelhem Amare.

Checked by :- Henok Abebe.

Approved by:-Hirut Ayalew

9	FINISHING WORKS	Unit	2019, 1st Quarter Direct Cost Only
9.6.3.2	300mm.wide & 30mm. thick Terrazo threads.(1:3)	ml	810.70
9.6.3.3	330mm.wide & 30mm. thick Terrazo threads.(1:3)	ml	838.09
9.6.3.4	280mm.wide & 20mm. thick Terrazo threads.(1:3)	ml	736.71
9.6.3.5	300mm.wide & 20mm. thick Terrazo threads.(1:3)	ml	750.99
9.6.3.6	330mm.wide & 20mm. thick Terrazo threads.(1:3)	ml	772.41
9.7	**RISER**		
9.7.1	**MARBLE RISER (Local)**		
9.7.1.1	130mm wide & 20mm. thick marble riser. (1:3).	ml	1,484.76
9.7.1.2	150mm wide & 20mm. thick marble riser. (1:3).	ml	1,665.47
9.7.2	**GRANITE RISER (Local)**		
9.7.2.1	130mm wide & 20mm. thick Granite riser .(1:3)	ml	1,585.11
9.7.2.2	150mm wide & 20mm. thick Granite riser .(1:3)	ml	1,750.38
9.7.3	**TERRAZZO RISER (Local)**		
9.7.3.1	130mm wide & 30mm. Thick Terrazo riser. (1:3).	ml	425.80
9.7.3.2	130mm wide & 20mm. Thick Terrazo riser. (1:3).	ml	395.37
9.7.3.3	150mm wide & 20mm. Thick Terrazo riser. (1:3).	ml	415.15
9.8	**Threshold (Local)**		
9.8.1	**Marble threshold**		
9.8.1.1	20mm. Thick & 200mm wide Marble threshold.(1:3)	ml	2,156.23
9.8.1.2	20mm. thick & 250mm wide Marble threshold.(1:3)	ml	2,675.56
9.8.2	**Granite threshold**		
9.8.2.1	20mm. thick & 200mm wide Granite threshold.(1:3)	ml	1,956.07
9.8.2.2	20mm. thick & 250mm wide Granite threshold.(1:3)	ml	2,313.60
9.8.3	**Terrazo threshold**		
9.8.3.1	20mm. thick & 200mm w.Terrazo threshold. (1:3).	ml	476.97
9.8.3.2	20mm. thick & 250mm w. terrazo threshold.(1:3)	ml	636.45
9.9	**Skirting(Local)**		
9.9.1	10cm. high PVC skirting 2mm thick	ml	219.31
9.9.2	20mm. thick terrazo skirting.(Local)	ml	215.52
9.9.3	10cm high 10mm thick Porcelain skirting	ml	559.89
9.9.4	100mm. high wooden skirting. (Local wood)	ml	1,058.44
9.9.5	10cm high 2cm thick granite skirting (Local)	ml	998.72
9.9.6	20mm Thick, 10cm high Marble skirting (Local)	ml	1,224.84
9.10	**Copping(Local)**		
	Marble copping		
9.10.1	300mm wide & 30mm. thick marble copping.(1:3)	ml	3,372.68
9.10.2	450mm wide & 30mm. thick marble copping.(1:3)	ml	4,790.62
9.10.3	300mm wide & 20mm. thick marble copping.(1:3)	ml	3,169.98
9.10.4	450mm wide & 20mm. thick marble copping.(1:3)	ml	4,486.58
9.11	**Terrazzo copping**		
9.11.1	300mm wide & 30mm. thick terrazzo copping.(1:3)	ml	808.86
9.11.2	450mm wide & 30mm. thick terrazzo copping.(1:3)	ml	945.16
9.11.3	300mm wide & 20mm. thick terrazzo copping.(1:3)	ml	727.99
9.11.4	450mm wide & 20mm. thick terrazzo copping.(1:3)	ml	823.86
	Ceramic flooring With Cement sand mortar(Local)		
9.11.5	10mm thick Ceramic floor with cement sand mortar (Local)	m^2	2,774.37
9.11.6	9mm thick Ceramic floor tile with cement sand mortal (Local)	m^2	2,468.37
9.11.7	8mm thick Ceramic floor tile with cement sand mortal (Local)	m^2	2,111.37
	Ceramic flooring With Cement sand mortar (Imported)		
9.11.8	10mm thick Ceramic floor with cement sand mortar (1:3)	m^2	4,253.37
9.11.9	10 mm thick Ceramic floor tile with Adhesive powder	m^2	4,196.13
9.11.10	9mm thick Ceramic floor with cement sand mortar (1:3)	m^2	3,773.00
9.11.11	8mm thick Ceramic floor with cement sand mortar (1:3)	m^2	3,569.00

Prepared by :- Betelhem Amare.

Checked by :- Henok Abebe.

Approved by:-Hirut Ayalew

9	FINISHING WORKS	Unit	2019, Ist Quarter Direct Cost Only
	Porcelain flooring with cement sand mortar		
9.11.10	8mm thick Porcelain floor tile with cement sand morta (1:3)	m^2	3,520.20
9.11.11	9mm thick Porcelain floor tile with cement sand mortar (1:3)	m^2	3,733.47
9.11.12	10mm thick Porcelain floor tile with cement sand mortar (1:3)	m^2	3,845.37
	SPC floor		
9.11.13	SPC floor with foam	m^2	2,050.00
9.11.14	SPC Skirting	ml	375.00
	Flamed Granite(Local)		
9.11.15	Flamed Granite floor tile with cement sand mortal (1:3) (Local)	m^2	11,047.60
9.11.16	Flamed Granite floor tile with cement sand mortal (1:3) (importedl)	m^2	11,165.41
	IMPORTED GRANITE FLOOR TILE		
9.11.17	Imported 1cm thick **high quality** Black Galaxy Granite with (1:3)	m^2	11,067.41
9.11.17	Imported 2cm thick **high quality** Black Galaxy Granite with (1:3)	m^2	20,726.61
9.11.17	Imported 3cm thick **high quality** Black Galaxy Granite with (1:3)	m^2	23,117.61
9.11.18	Imported 1cm thick **high quality** Granite (grey colour) with (1:3)	m^2	11,060.10
9.11.18	Imported 2cm thick **high quality** Granite (grey colour) with (1:3)	m^2	12,560.10
9..11.19	Imported 3cm thick **high quality** Granite (grey colour) with (1:3)	m^2	15,560.10
	IMPORTED GRINITE FOR KITCHEN CABNET		
9.11.18	2cm thick high quality standared Black Galaxy Granite for kitchen cabenate with all necessary works	m^2	13,913.04
	PORCELAINE SIZE:(120cmx60cmx1cm)		
9.11.19	Porcelain floor tile with adhesive powder,(size 120cmx60cmx1cm)	m^2	5,006.50
9.11.20	Porcelain floor tile with cement sand mortar (1:3) (size 120cmx60cmx1cm)	m^2	4,661.57

Prepared by :- Betelhem Amare.

Checked by :- Henok Abebe.

Approved by:-Hirut Ayalew

No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
	ELECTRICAL WORK		
a	16A/1ph digtal kilowat meter	No.	11,088.00
b	25A/3ph digtal kilowat meter	No.	16,747.50
c	32A/3ph digtal kilowat meter	No.	16,747.50
d	63A/3ph digtal kilowat meter	No.	19,057.50
1.00	**B)Surface mounted distribution board of metal inclosure MDB-LP with lockable door, complete with bus bar terminals 320A/3ph,neutral and earth bars, and consisting of :-**		-
1.1.1	**V) Floor standing distribution board of metal inclosure MDB-EV with lockable door, complete with bus bar terminals 2500A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main ACB of 2000A/3ph		-
	1 pc RCD of 300mA/4pole		-
	2 pc MCCB of 500A/3ph		-
	3 pc MCCB of 320A/3ph		-
	1 pc MCCB of 250A/3ph		-
	25% reserve pitches	set	761,642.67
1.1.2	**A) Floor standing Factory made indoor distribution board with IP 44 with lockable door of hinged joints,including three phase bars of 800 Amp rating with separate neutral and earthing bars,connection and mounting accessories; complete with mounting rails for circuit breakers and labels to be made circuit numbers and spare spaces for future expansions of three modules minimum, TRI poles. All internal connections made in compliance with appropriate local and international standards to which references need to be made accordingly. and The distribution pillar shall be on the concrete pad with all necessary accessories Central Main Distribution Board, CMDB and consisting of :-**		
	1 pc main MCCB of 630A/3ph		
	1 pc MCCB of 400A/3ph		
	1 pc MCCB of 250A/3ph		
	1 pc MCB of 40A/3ph		
	1pc surge arrestor of 100KA		
	3Pcs ammeters: 0-630A		
	3Pcs current transformers: 630/5A		
	1pc of voltmeter with selector switch (0-500V)		
	with 4P+E busbar 800A		
	1pc factory made drawing pocket and marking tags for all outgoings.all complete with 40%	set	224,679.67
			-
	B)Surface mounted distribution board of metal inclosure MDB-LP with lockable door, complete with bus bar terminals 320A/3ph,neutral and earth bars, and consisting of :-		-
	1 pc main MCCB of 250A/3ph		-
	1 pc RCD of 100mA/4pole		-
	4 pcs MCB of 25A/3ph		-
	1 pc MCB of 32A/3ph		-
	1 pc MCB of 40A/3ph		-
	2 pc MCB of 80A/3ph		-
	25% reserve pitches	set	99,327.60
			-
1.1.3	**C)Surface mounted distribution board of metal inclosure SDB-LP/GF/A with lockable door, complete with bus bar terminals 100A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 80A/3ph		-
	1 pc RCD of 100mA/4pole		-
	6 pcs MCB of 10A/1ph		-
	2 pc MCB of 16A/1ph		-
	5 pc MCB of 25A/1ph		-
	2 pc MCB of 40A/3ph		-
	25% reserve pitches	set	74,179.60
			-
1.1.4	**D)Surface mounted distribution board of metal inclosure SDB-LP/GF/B with lockable door, complete with bus bar terminals 100A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 80A/3ph		-
	1 pc RCD of 100mA/4pole		-
	2 pcs MCB of 10A/1ph		-
	7 pc MCB of 16A/1ph		-
	2 pc MCB of 40A/3ph		-
	25% reserve pitches	set	100,975.80
			-

Prepared by:
Mamush Lema

Cheched by:
Henok Abebe

Approved by:
Hirut Ayalew

No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
1.1.5	**E) Flush mounted distribution board of metal inclosure SDB-SH1/GF = SDB-SH7GF with lockable door, complete with bus bar terminals 32A/1ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 25A/1ph, with 25A/1ph digtal kilo watt meter		-
	1 pc RCD of 30mA/2pole		-
	1 pc MCB of 10A/1ph		-
	1 pc MCB of 16A/1ph		-
	25% reserve pitches	set	32,212.80
			-
1.1.6	**F)Surface mounted distribution board of metal inclosure SDB-LP/1BF/A with lockable door, complete with bus bar terminals 32A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 25A/3ph		-
	1 pc RCD of 30mA/4pole		-
	8 pcs MCB of 10A/1ph		-
	4 pc MCB of 16A/1ph		-
	25% reserve pitches	set	29,036.30
			-
1.1.7	**G)Surface mounted distribution board of metal inclosure SDB-LP/1BF/B with lockable door, complete with bus bar terminals 40A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 32A/3ph		-
	1 pc RCD of 30mA/4pole		-
	9 pcs MCB of 10A/1ph		-
	4 pc MCB of 16A/1ph		-
	3 pc MCB of 25A/1ph		-
	25% reserve pitches	set	31,916.30
			-
1.1.8	**I)Surface mounted distribution board of metal inclosure SDB-LP/2BF/A with lockable door, complete with bus bar terminals 32A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 25A/3ph		-
	1 pc RCD of 30mA/4pole		-
	7 pcs MCB of 10A/1ph		-
	4 pc MCB of 16A/1ph		-
	25% reserve pitches	set	29,066.30
			-
1.1.9	**K)Surface mounted distribution board of metal inclosure SDB-LP/3BF with lockable door, complete with bus bar terminals 32A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 25A/3ph		-
	1 pc RCD of 30mA/4pole		-
	13 pcs MCB of 10A/1ph		-
	4 pc MCB of 16A/1ph		-
	25% reserve pitches	set	31,886.30
			-
1.1.10	**L)Surface mounted distribution board of metal inclosure SDB-KCH/3BF with lockable door, complete with bus bar terminals 50A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 40A/3ph		-
	1 pc RCD of 30mA/4pole		-
	4 pcs MCB of 10A/1ph		-
	7 pc MCB of 16A/1ph		-
	1 pc MCB of 20A/1ph		-
	1 pc MCB of 25A/1ph		-
	1 pc MCB of 20A/3ph		-
	25% reserve pitches	set	47,041.10
			-
1.1.11	**M)Surface mounted distribution board of metal inclosure MDB-UPS with lockable door, complete with bus bar terminals 50A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 40A/3ph		-
	1 pc RCD of 30mA/4pole		-
	3 pcs MCB of 16A/1ph		-
	8 pcs MCB of 20A/1ph		-
	2 pcs MCB of 25A/3ph		-
	25% reserve pitches	set	39,992.30

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019, 1ST QUARTER ELECTRICAL WORK DIRECT COST
1.1.12	**N) Flush mounted distribution board of metal inclosure SDB-UPS/GF = SDB-UPS/3BF with lockable door, complete with bus bar terminals 32A/1ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCB of 25A/1ph		-
	1 pc RCD of 30mA/2pole		-
	14 pcs MCB of 16A/1ph		-
	25% reserve pitches	set	37,800.30
			-
1.1.13	**O)Surface mounted distribution board of metal inclosure MDB-MP with lockable door, complete with bus bar terminals 500A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 400A/3ph		-
	1 pc RCD of 300mA/4pole		-
	1 pcs MCCB of 250A/3ph		-
	2 pcs MCCB of 63A/3ph		-
	3 pcs MCB of 40A/3ph		-
	25% reserve pitches	set	136,206.67
			-
1.1.14	**P)Surface mounted distribution board of metal inclosure SDB-MP/1BF/A with lockable door, complete with bus bar terminals 80A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 63A/3ph		-
	1 pc RCD of 30mA/4pole		-
	7 pcs RCBO of 20A/3ph, Icu 6KA		-
	4 pcs RCBO of 32A/3ph, Icu 6KA		-
	25% reserve pitches	set	71,201.13
			-
1.1.15	**Q)Surface mounted distribution board of metal inclosure SDB-MP/1BF/B with lockable door, complete with bus bar terminals 50A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 40A/3ph		-
	1 pc RCD of 30mA/4pole		-
	6 pcs RCBO of 20A/3ph, Icu 6KA		-
	2 pcs RCBO of 32A/3ph, Icu 6KA		-
	25% reserve pitches	set	67,251.50
			-
1.1.16	**R)Surface mounted distribution board of metal inclosure SDB-MP/2BF/A with lockable door, complete with bus bar terminals 80A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 63A/3ph		-
	1 pc RCD of 30mA/4pole		-
	6 pcs RCBO of 20A/3ph, Icu 6KA		-
	4 pcs RCBO of 32A/3ph, Icu 6KA		-
	25% reserve pitches	set	73,968.80
1.1.17	**U)Surface mounted distribution board of metal inclosure SDB-PUMP with lockable door, complete with bus bar terminals 320A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 250A/3ph		-
	1 pc RCD of 100mA/4pole		-
	2 pcs RCBO of 20A/3ph, Icu 6KA		-
	1 pc RCBO of 32A/3ph, Icu 6KA		-
	1 pc RCBO of 200A/3ph, Icu 6KA		-
	1 pc MCB of 16A/1ph		-
	1 pc MCB of 10A/1ph		-
	25% reserve pitches	set	108,079.05
			-
1.1.18	**W)Surface mounted distribution board of metal inclosure SDB-EV/GF with lockable door, complete with bus bar terminals 400A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 320A/3ph		-
	1 pc RCD of 100mA/4pole		-
	8 pcs MCB of 50A/3ph		-
	25% reserve pitches	set	111,709.10
			-
1.1.19	**X)Surface mounted distribution board of metal inclosure SDB-EV/1BF/A with lockable door, complete with bus bar terminals 630A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 500A/3ph		-
	1 pc RCD of 100mA/4pole		-
	12 pcs MCB of 50A/3ph		-
	25% reserve pitches	set	148,897.10
			-

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
1.1.20	**Y)Surface mounted distribution board of metal inclosure SDB-EV/1BF/B with lockable door, complete with bus bar terminals 320A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 250A/3ph		-
	1 pc RCD of 100mA/4pole		-
	6 pcs MCB of 50A/3ph		-
	25% reserve pitches	set	89,097.60
			-
1.1.21	**A-A)Surface mounted distribution board of metal inclosure SDB-EV/2BF/B with lockable door, complete with bus bar terminals 400A/3ph,neutral and earth bars, and consisting of :-**		-
	1 pc main MCCB of 320A/3ph		-
	1 pc RCD of 100mA/4pole		
	7 pcs MCB of 50A/3ph		
	25% reserve pitches	set	113,729.60
1.1.21	**A) Floor standing Factory made indoor distribution board with IP 44 with lockable door of hinged joints,including three phase bars of 800 Amp rating with separate neutral and earthing bars,connection and mounting accessories; complete with mounting rails for circuit breakers and labels to be made circuit numbers and spare spaces for future expansions of three modules minimum, TRI poles. All internal connections made in compliance with appropriate local and international standards to which references need to be made accordingly. and The distribution pillar shall be on the concrete pad with all necessary accessories Central Main Distribution Board, CMDB and consisting of :-**		
	1 pc main MCCB of 630A/3ph		
	1 pc MCCB of 500A/3ph		
	1 pc MCCB of 160A/3ph		
	1 pc MCB of 50A/3ph		
	1pc surge arrestor of 100KA		
	3Pcs ammeters: 0-630A		
	3Pcs current transformers: 630/5A***		
	1pc of voltmeter with selector switch (0-500V)		
	with 4P+E busbar 800A		
	1pc factory made drawing pocket and marking tags for all outgoings.all complete with 40% reserve spaces.	set	280,407.50
1.1.22	**B) Floor standing distribution board of metal inclosure MDB-EV/1BF with lockable door, complete with bus bar terminals 1600A/3ph,neutral and earth bars, and consisting of :-**		
	1 pc main MCCB of 1250A/3ph		
	1 pc RCD of 500mA/4pole		
	10 pcs MCB of 40A/1ph		
	10 pcs MCB of 50A/3ph		
	1 pc main MCCB of 250A/3ph		
	1 pc main MCCB of 500A/3ph		
	40% reserve pitches	set	546,554.00
1.1.23	**Semi-Flush Mounted Distribution Board (SDB-PM)**		
	Semi-Flush Mounted Distribution Board (SDB-PM)		
	1pcs 80A/3ph Main bracker		
	3pcs 40A/3ph		
	3pcs 32A/3ph		
	Bus Bar System (80A rated)		
	accessories	set	65,139.36
2.00	*Light point*		
2.1.1	Conductor (2x2.5mm2) with 10 meter Average distance		
	PVC condute 16mm		
	Junction Box		
	Connector	PCS	3,959.54
2.1.2	Conductor (3x2.5mm2) with 10 meter Average distance		
	PVC condute 16mm		
	Junction Box		
	Connector	PCS	5,159.54
2.1.3	Conductor (3x4mm2) with 10 meter Average distance		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	7,458.54
2.1.4	Conductor (3x4mm2) with 10 meter Average distance		
	PVC condute 50mm		
	Junction Box		

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
	Connector	PCS	8,302.84
3.00	*Cable Installation Light point*		
3.1.1	**Power cable** (3x4mm2) with 10 meter Average distance		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	7,562.54
3.1.2	**Power cable** (3x6mm2) with 10 meter Average distance		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	9,545.64
3.1.3	**Power cable**(5x4mm2) with 10 meter average point length		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	11,719.54
3.1.4	**Power cable** (2x2.5mm2) with 10 meter Average distance		
	PVC condute 16mm		
	Junction Box		
	Connector	PCS	3,893.44
3.1.5	**Power cable** (3x2.5mm2) with 10 meter Average distance		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	4,849.94
3.1.6	**Power cable** (5x2.5mm2) with 10 meter Average distance		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	6,676.04
4.00	*SWITCHES*		
4.1.1	Normal switch	PCS	321.69
4.1.2	Flush mounted single switch 774001+774041	PCS	542.40
4.1.3	Flush mounted 2 gang single switch ,774005+774041	PCS	550.43
4.1.4	Flush mounted 2 gang two way switch ,774005+774041	PCS	630.71
4.1.5	Flush mounted two way switch, 774006+774041	PCS	542.40
4.1.6	Triple switch	PCS	717.93
4.1.7	Intermediate switch	PCS	577.92
5.00	*Socket outlet point*		
5.1.1	**Power cable** (3x4mm2) with 10 meter Average distance		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	6,571.74
5.1.2	**Power cable** (3x6mm2) with 10 meter Average distance		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	9,545.64
5.1.3	**Power cable** (3x2.5mm2) with 10 meter Average distance		
	PVC condute 16mm		
	Junction Box		
	Connector	PCS	4,609.94
5.1.4	**Power cable** (3x2.5mm2) with 10 meter Average distance		
	PVC condute 25mm		
	Junction Box		
	Connector	PCS	4,689.94
5.1.5	**Power cable** (5x2.5mm2) with 10 meter Average distance		
	Conduit (32mm)		
	Junction Box		
	Connector	PCS	6,659.04
6.00	*Power outlet point*		

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
6.1.1	16A/1P or 25A/1P power outlet points fed through PVC shethed Cable of 3x2.5mm2 inside PVC conduit of 16mm diameter including junction boxes with covers and insulating screw cap connectors.reserve **for fan outlets** (25m Average Distance)	PCS	9,645.87
6.1.3	16A/1P or 25A/1P outlet points fed through PVC sheathed and PVC insulated cable of 3x4mm^2 inside PVC conduit 25mm diameter with all accessories for surface installation including surface mounting junction boxes with covers and insulating screw cap connectors.(10m Average Distance)	PCS	6,120.97
6.1.4	16A/3P or 25A/3P power outlet points fed through PVC sheathed and PVC insulated cable of 3x6mm^2 inside PVC conduit 25mm diameter with all accessories for surface installation including surface mounting junction boxes with covers and insulating screw cap connectors. (10m Average Distance)	PCS	9,332.78
6.1.5	32A/3P power outlet points for Confrence AHU Chiller fed through PVC shethed Cable of 5x6mm2 inside PVC conduit of 32m diameter including junction boxes with covers and insulating screw cap connectors. (10m Average Distance)	PCS	15,595.77
6.1.6	32A/3P power outlet points fed through PVC sheathed and PVC insulated cable of 3x10mm^2 inside PVC Conduit 32mm diameter with all accessories for surface installation including surface mounting junction boxes with covers and insulating screw cap connectors.(length ave=10m)	PCS	15,578.80
6.1.7	50A/3p Power outlet point for Lift machine fed through PVC sheathed cable of 5x10 sqmm in PVC conduits of 50mm diameter including junction boxes with covers and insulating screw cap connectors.(10m Average Distance)	PCS	25,436.94
7.00	EXTRA OVER SOCKET OUTLETS		
7.1.1	Single socket economic /ሶኬት /	PCS	298.15
7.1.2	Flush mounting single socket of 10A/1P,	PCS	577.03
7.1.3	FLUSH MOUNTED Socket outlet	PCS	577.03
7.1.4	FLUSH MOUNTED Socket outlet twin	PCS	683.47
7.1.5	FLUSH MOUNTED Socket outlet 20A/1P	PCS	1,854.25
7.1.6	FLUSH MOUNTED Socket outlet for water heater	PCS	865.30
7.1.7	Industrial type Socke outlet of 16A/1P,Legrand p 17 tempra, 55553	PCS	3,164.73
7.1.8	INDUSRIAL TYPE Socket outlet of 32A/3P,Legrand p 17 tempra, 55558	PCS	3,787.73
8.00	*Standard LED Light Fitting and Lamps*		
8.1.1	Panel LED 30x30 24W 2400lm 110 lm/W 3000K	PCS	1,100.99
8.1.2	Panel LED 30x60 36W 3600lm lf 30000hr 3000-4000k	PCS	2,076.64
8.1.3	Panel LED 60x60 48W 4800lm lf 30000hr 3500-4000k	PCS	1,915.38
8.1.4	Panel LED 30x120 36W 3860lm lf 30000hr 4000k	PCS	3,872.73
8.1.5	Panel LED 60x120 60W 6000lm lf 35000hr 4000-6000k	PCS	4,940.31
8.1.6	*Philips Fluorescent with Luminaire / LED Light*		
8.1.6.1	Type 1 x 18 Watt	PCS	1,995.00
8.1.6.2	Type 2 x 18 Watt (Lower)	PCS	3,955.87
8.1.6.3	Type 3 x 18 Watt	PCS	5,081.96

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
8.1.6.4	Type 4 x 18 Watt (Lower)	PCS	6,450.00
8.1.6.5	Type 1 x 36 Watt	PCS	2,500.00
8.1.6.6	Type 2 x 36 Watt (Lower)	PCS	3,750.00
8.1.6.7	TMW 065/1-36 with 1 x TLD 36 Watt	PCS	2,800.00
8.1.6.8	**emergency lamp with 3hr kit**	PCS	5,920.66
8.1.6..9	Directional led Sign light 	PCS	3,545.59
8.20	*Gate column and JKF Light*		
8.2.1	Gate column Light With lamp 	PCS	2,419.15
8.2.2	Gate column Light With lamp 	PCS	2,747.33
8.2.3	Gate column Light With lamp 	PCS	3,545.59
8.2.4	Gate column Light With lamp 	PCS	3,545.59
8.2.4	JKF Water proof 6 way 3up and 3down outdoor warm white oval led light 	PCS	1,042.15
8.2.5	JKF Water proof 8 way 4up and 4down outdoor warm white oval led light 	PCS	1,119.82
8.2.6	JKF Water proof 10 way 5up and 5downoutdoor warm white oval led light 	PCS	1,297.15
8.2.7	Water proof 6 way 3up and 3down with front Neon strip outdoor warm white led light 	PCS	1,909.15
8.2.8	JKF Water proof 8 way 4up and 4down outdoor warm white oval led light 	PCS	1,909.15
8.2.9	JKF Water proof 6 outdoor warm white way 3up and 3down led light 	PCS	1,909.15
8.30	**High Quality Standard LED Light Fitting and Lamps**		
8.3.1	Panel LED 30x30 24W 2400lm 110 lm/W 3000K	PCS	1,854.73
8.3.2	Panel LED 30x60 36W 3600lm lf 30000hr 3000-4000k	PCS	2,802.73
8.3.3	Panel LED 60x60 48W 4800lm lf 30000hr 3500-4000k	PCS	4,302.73

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
8.3.4	Panel LED 60x120 60W 6000lm lf 35000hr 4000-6000k	PCS	6,180.99
8.40	*Led Flood Light (Pawza), korma*		
8.4.1	Led Flood Light (Pawza) 50w	PCS	2,000.00
8.4.2	Led Flood Light (Pawza) 100w	PCS	2,350.00
	Led Flood Light (Pawza)150w	PCS	4,000.00
8.4.3	Led Flood Light (Pawza) 200w	PCS	7,500.00
9.00	*Lightning Protection System*		
9.1.1	Early Streamer Emmision(ESE) Protector **SI 40,with mounting 5m mast** to be mountied on top of the flood light pole of H=53m and all necessary connecting acessories.	PCS	270,474.72
9.1.2	Early Streamer Emmision(ESE) Protector **SI 60 ,with mounting 5m mast** to be mountied on top of the flood light pole of H=53m and all necessary connecting acessories.	PCS	287,724.72
9.1.3	Early Streamer Emmision(ESE) Protector **SI 70 ,with mounting 5m mast** to be mountied on top of the flood light pole of H=53m and all necessary connecting acessories.	PCS	287,724.72
9.1.4	Early Streamer Emmision(ESE) Protector **SI 125 ,with mounting 5m mast** to be mountied on top of the flood light pole of H=53m and all necessary connecting acessories.	PCS	304,974.72
9.1.5	16mm Air Termination circular galvanized steel rod 1.0m length	PCS	1,965.46
9.1.6	25 x 3mm insulated copper tape with vertical supportings every 1m to the pole & all the necessary accessories coordinate the routing of down conductors with the pole external skin and architectural features.	ml	5,727.82
9.1.7	1x70mm.sq galvanized Steel earth conductor ring as indicated on the	ml	743.23
9.1.8	30x3.5mm galvanized steel ring earth termination net work.	ml	959.68
9.1.9	1500mm long and 50x50x3mm X-head galvanized steel earth rod including all connecting accessories.	PCS	6,806.28
9.1.10	Bonding materials for down conductor with air termination		
	Bonding materials to roof conductors holder		
	Bonding down conductor		
	Distance holders for earth termination	PCS	135,990.61
9.1.11	Equipotential (Earthining) bonding copper bar 1500x50x10mm size with 7 bolted terminal ! RHS 40X20X2MM ! ELECTODE ! Bolt & Nuts	PCS	68,896.88
9.20	**Low voltage earhing System bare copper conductor**		
9.2.1	1x185mm. Sq. Bare copper bonding conductor	ml	7,996.76
9.2.2	1x150mm. Sq. Bare copper bonding conductor	ml	6,692.42
9.2.3	1x120mm. Sq. Bare copper bonding conductor	ml	5,495.03
9.2.4	1x70mm. Sq. Bare copper bonding conductor	ml	3,226.82
9.2.5	1x50mm. Sq. Bare copper bonding conductor	ml	2,479.36
9.2.6	1x25mm. Sq. Bare copper bonding conductor	ml	752.58
9.2.7	1x16mm. Sq. Bare copper bonding conductor	ml	752.58
9.2.8	1x10mm. Sq. Bare copper bonding conductor	ml	470.36
9.2.9	1x6mm. Sq. Bare copper bonding conductor	ml	388.79
9.30	*Earthing rod*		
9.3.1	2400x16mm copper earth road	PCS	4,105.46
9.3.2	1500x16mm copper earth road	PCS	2,505.46

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9.3.3	3000x20mm copper earth road	PCS	14,410.54
10.00	*Feeder Cables (POWER CABLE 0.6/1KV)*		
10.1.1	2x2.5 sq.mm Cable	ml	276.98
10.1.2	3x2.5 sq.mm Cable	ml	377.41
10.1.3	3x4 sq.mm Cable	ml	564.59
10.1.4	3x6sq.mm Cable	ml	870.46
10.1.5	3x10sq.mm Cable	ml	1,418.28
10.1.6	5x4sq.mm Cable	ml	875.54
10.1.7	5x6sq.mm Cable	ml	1,902.23
10.1.8	5x10sq.mm Cable	ml	2,678.31
10.1.9	5x16sqmm Cable	ml	4,519.24
10.1.10	2x2.5sqmm Cable with conduit 16mm	ml	396.55
10.1.11	3x4sqmm Cable with conduit 20mm	ml	684.16
10.1.12	3x6sqmm Cable with conduit 25mm	ml	995.28
10.1.13	3x10sqmm Cable with conduit 32mm	ml	1,564.11
10.1.14	5x4sqmm Cable conduit 25mm	ml	979.44
10.1.15	5x 6sqmm Cable conduit 32mm	ml	1,974.98
10.1.16	5x10sqmm Cable conduit 36mm	ml	2,745.81
10.1.17	5x16sqmm Cable conduit 50mm	ml	4,701.85
10.1.18	3x25/16	ml	4,245.33
10.1.19	3x35/16	ml	5,614.89
10.1.20	3x95/50	ml	13,923.59
10.1.21	3x240/120	ml	35,790.98
10.1.22	3x70/35+35sq.mm	ml	12,590.55
10.1.23	3x50/25+1x25sq.mm	ml	8,098.36
10.1.24	3x25/16+1x16sq.mm	ml	4,971.19
10.1.25	3x35/16+1x16sq.mm	ml	6,340.76
10.1.26	3x120/70+1x70 sq.mm	ml	21,273.59
10.1.27	3x150/70+1x70 sq.mm	ml	24,925.76
10.1.28	3x185/95+1x95 sq.mm	ml	33,234.45
10.1.29	3x240/120+1x120 sq.mm	ml	40,772.29
10.1.30	3x300/150+1x150 sq.mm	ml	50,550.98
10.1.31	1x150sq.mm	ml	6,222.07
10.1.32	1x70sq.mm	ml	2,875.97
10.1.33	1x25sq.mm	ml	1,078.70
10.1.34	1x16sq.mm	ml	807.06
11.00	*Conduits and Pipes*		

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
11.1.1	Flexable pvc Pipe (Corrugated conduit) dia16mm	ml	37.50
11.1.2	Flexable pvc Pipe (Corrugated conduit) dia 25mm	ml	67.64
11.1.3	Flexable pvc (Corrugated conduit) dia 32mm	ml	122.15
11.1.4	Flexable pvc (Corrugated conduit) dia 50mm	ml	165.97
11.1.5	PVC Pipe Dia(Rgid conduit) 16mm	ml	48.92
11.1.6	PVC Pipe (Rgid conduit) Dia 25mm	ml	65.72
11.1.7	PVC Pipe Dia 32mm	ml	88.79
11.1.8	PVC Pipe Dia 36mm	ml	94.04
11.1.9	PVC Pipe Dia50mm	ml	220.56
11.1.10	PVC Pipe Dia75mm	ml	289.05
11.1.11	PVC Pipe Dia80mm	ml	419.65
11.1.12	PVC Pipe Dia110mm	ml	433.34
11.1.13	PVC Pipe Dia160mm	ml	943.12
11.1.14	PVC Pipe Dia 200mm	ml	1,293.12
12.00	*High Quality Feeder Cable with outer insulation marking tag of XLPE like (2X..Y, 2X..2Y, 2X..H, 2X..SWAY insulation sheath type), FR, FRLS, LSHF*		
12.1.1	2x2.5 sq.mm Cable	ml	436.77
12.1.2	3x2.5 sq.mm Cable	ml	637.63
12.1.3	3x4 sq.mm Cable	ml	815.67
12.1.4	3x6sq.mm Cable	ml	1,193.22
12.1.5	3x10sq.mm Cable	ml	1,214.22
12.1.6	5x4sq.mm Cable	ml	1,151.22
12.1.7	5x6sq.mm Cable	ml	1,829.15
12.1.8	5x10sq.mm Cable	ml	2,678.31
12.1.9	5x16sqmm Cable	ml	4,564.89
12.1.10	2x2.5sqmm Cable with conduit 16mm	ml	504.08
12.1.11	3x4sqmm Cable with conduit 20mm	ml	882.98
12.1.12	3x6sqmm Cable with conduit 25mm	ml	1,265.78
12.1.13	3x10sqmm Cable with conduit 32mm	ml	1,302.53
12.1.14	5x4sqmm Cable conduit 25mm	ml	1,223.78
12.1.15	5x 6sqmm Cable conduit 32mm	ml	1,906.96

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
12.1.16	5x10sqmm Cable conduit 36mm	ml	2,741.06
12.1.17	5x16sqmm Cable conduit 50mm	ml	4,701.85
12.1.18	3x25/16	ml	4,944.45
12.1.19	3x35/16	ml	6,679.24
12.1.20	3x95/50	ml	16,022.90
12.1.21	3x240/120	ml	40,097.31
12.1.22	3x70/35+35sq.mm	ml	12,796.63
12.1.23	3x50/25+1x25sq.mm	ml	9,902.31
12.1.24	3x25/16+1x16sq.mm	ml	5,841.33
12.1.25	3x35/16+1x16sq.mm	ml	7,486.63
12.1.26	3x120/70+1x70 sq.mm	ml	25,889.96
12.1.27	3x150/70+1x70 sq.mm	ml	31,322.65
12.1.28	3x185/95+1x95 sq.mm	ml	33,813.97
12.1.29	3x240/120+1x120 sq.mm	ml	45,127.06
12.1.30	3x300/150+1x150 sq.mm	ml	57,123.43
12.1.31	1x150sq.mm	ml	6,664.84
12.1.32	1x70sq.mm	ml	3,401.89
12.1.33	1x25sq.mm	ml	1,211.41
121.34	1x16sq.mm	ml	945.26
13.00	*Led strip light and Aluminium profile*		
13.1.1	Double strip light	ml	247.24
13.1.2	Triple strip light	ml	320.74
13.1.3	RGB strip light	ml	296.07
13.1.4	Neon Strip light	ml	386.14
12.1.5	Aluminium profile for strip light (in Gybsum board)	ml	645.64
14.00	*galvanized steel Cable tray with standard thicknes*		
14.1.1	50*50mm metal	ml	2,230.30
14.1.2	150*50metal cable tray	ml	3,405.75
14.1.3	100*100metal cable tray	ml	3,970.31
14.1.4	100*50metal cable tray	ml	2,980.23
14.1.5	200*50metal cable tray	ml	3,970.31
14.1.6	300*100metal cable tray	ml	4,663.04

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No	ELECTRICAL AND DATA SYSTEM WORK	UNIT	2019 , 1ST QUARTER ELECTRICAL WORK DIRECT COST
14.1.8	500*200metal cable tray	ml	7,679.20
15.00	*galvanized steel cable ladder with standard thicknes*		
15.1.1	100*100mm	ml	2,382.30
15.1.2	100*50mm	ml	1,549.39
15.1.3	200*50mm	ml	2,382.30
15.1.4	200*100mm	ml	3,070.72
15.1.5	300*100mm	ml	3,951.85
16.00	*pvc trucking*		
16.1.1	60*40 MM	ml	555.20
16.1.2	40*25 MM	ml	418.43
16.1.2	25*25 MM	ml	457.53
16.1.3	16*16 MM	ml	363.52

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No	DATA SYSTEM WORK Data Syetem Work,Passive &Active Device	UNIT	2019 1^st Qr Direct cost
	1. Cabels		
1.1	Cat6A UTP Cable 4-Pair, 23AWG, LSZH, 500MHz, 10Gbps	lm	274.43
1.2	Single Mode Fiber Cable 12 Core OS2, LSZH	lm	860.66
1.3	Multimode Fiber Cable OM4, 12 Core, LSZH	lm	1,153.35
	2. Data Point		
2.1	A)Tele/data points fed by cable category **Twin/2x6A** UTP CABLE 4 pair cable inside PVC conduit of 25mm diameter including junction box and all necessary acceccerios **The Distance 10M**	NO	6,025.05
2.2	A)Tele/data points fed by cable category **Twin/2x6A** UTP CABLE 4 pair cable inside PVC conduit of 25mm diameter including junction box and all necessary acceccerios **The Distance 12M**	NO	7,063.84
2.3	A)Tele/data points fed by cable category **Single 6A** UTP CABLE 4 pair cable inside PVC conduit of 25mm diameter including junction box and all necessary acceccerios **The Distance 12M**	NO	3,134.17
2.4	A)Tele/data points fed by cable category **Twin/2x6A** UTP CABLE 4 pair cable inside PVC conduit of 25mm diameter including junction box and all necessary acceccerios **The Distance 1 5M**	NO	8,091.87
	3. Tele/Data socket outlets		
3.1	Single type of CAT6a (1 x RJ-45) 8 contact of Tele/Data socket outlets	Pcs	1,473.08
3.2	Twin type of CAT6a (2 x RJ-45) 8 contact of Tele/Data socket outlets	Pcs	2,508.21
3.3	Single Data Outlet 1 x RJ45 Cat6A	Pcs	1,180.52
3.4	Double Data Outlet 2 x RJ45 Cat6A	Pcs	1,608.51
	4. Passive		
4.1	Cat6A Patch Panel 24 Port	Pcs	9,702.69
4.2	Cat6A Patch Panel 48 Port	Pcs	14,393.20
4.3	Main Server Rack (MDF) 42U Floor Standing Rack 800x1000	Pcs	165,129.01
4.4	Network Cabinet 42U Rack Cabinet	Pcs	148,922.05
4.5	IDF Cabinet 12U Wall Mounted Rack	Pcs	48,389.87
4.6	Cabinet rack 27U	Pcs	107,186.24
4.7	Cabinet rack 22U	Pcs	98,172.48
4.8	Cabinet rack 15U	Pcs	68,026.24
4.9	Fiber Patch Panel 48 Port	Pcs	43,571.69

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Chekd By Henok .A

Approved By Hirut .A

No	DATA SYSTEM WORK	UNIT				
4.10	Cat6A Patch Cord 1 Meter	Pcs	542.58	410.93	131.65	32%
4.11	Cat6A Patch Cord 3 Meter	Pcs	1,102.70	926.02	176.68	19%
4.12	Fiber Patch Panel (LIU) 24 Port LC Duplex	Pcs	36,215.96	33,576.79	2,639.17	8%
4.13	SFP Module 10G Single Mode SFP+	Pcs	16,462.81	15,294.67	1,168.14	8%
4.14	Media Converter Fiber to Copper	Pcs	8,289.31	8,277.12	12.19	0%
4.15	Hard Disk Surveillance HDD 4TB	No	76,662.24		76,662.24	#DIV/0!
	5. Active					
5.1	Access Switch 24 Port Managed PoE+	Pcs	103,644.36	98,454.43	5,189.93	5%
5.2	Access Switch 48 Port Managed PoE+	Pcs	187,649.12	142,424.44	45,224.68	32%
5.3	Telephone Distribution Frame 100 Pair Krone Type	Pcs	18,946.68	18,916.21	30.47	0%
5.4	Network Video Recorder 64 Channel NVR	Pcs	333,122.24	331,901.75	1,220.49	0%
5.5	Wireless Access Point Wi-Fi 6 Dual Band	Pcs	39,058.15	195,784.50	(156,726.35)	-80%
5.6	Dome Camera 4MPIP Camera	Pcs	28,526.59	26,365.34	2,161.25	8%
5.7	Bullet Camera 4MP IP Camera	Pcs	28,526.59	26,626.21	1,900.38	7%
5.8	PTZ Camera 4MP, 25X Zoom	Pcs	156,606.55	156,565.92	40.63	0%
5.9	Addressable Fire Alarm Panel FACP one loop	Pcs	322,764.48	322,459.76	304.72	0%
5.10	Smoke Detector Addressable TENDA	Pcs	11,971.12	11,894.94	76.18	1%
5.11	Heat Detector Addressable TENDA	Pcs	11,971.12	11,894.94	76.18	1%
5.12	Sounder Addressable TENDA	Pcs	13,449.38	13,373.20	76.18	1%
5.13	Manual Call Point Addressable TENDA	Pcs	13,089.38	13,081.76	7.62	0%
5.14	Horizontal Cable Manager 1U for 42U Rack 4	Pcs	6,240.84	6,194.95	45.89	1%
5.15	Vertical Cable Managers (Front & Rear)	Pcs	10,888.90		10,888.90	#DIV/0!
5.16	PDU (Power Distribution Unit) 6-Port Heavy Duty	Pcs	6,082.42	6,006.24	76.18	1%

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10.0	PAINTING (WITHOUT SCAFFOLDING)	UNIT	2019 1ST QUARTER (ONLY DIRECT COST)
10.1	**SUPER PLASTIC PAINT**		
10.1.1	Three coats of plastic paint to wall. Internal	m^2	223.41
10.1.2	Three coats of plastic paint to wall. External	m^2	226.77
10.1.3	Three coats of plastic paint to tyrolean & rendered wall. External	m^2	254.29
10.1.4	Three coats of plastic paint to Exposed column and beam	m^2	232.56
10.1.5	Three coats of plastic paint to chipwood ceilling.	m^2	238.50
10.1.6	Three coats of plastic paint to Plastered ceilling.	m^2	263.46
10.1.7	Three coats of plastic paint to fyzil ceilling.	m^2	232.56
10.1.8	Three coats of plastic paint to abujedid ceilling.	m^2	228.56
10.2	**OIL (SYNTHETIC) PAINT**		
10.2.1	Three coats of Oil (synthetic) paint to wall. Internal	m^2	346.37
10.2.2	Three coats of Oil (synthetic) paint to wall. External	m^2	350.35
10.2.3	Three coats of Oil (synthetic) paint to Expdosed column and beam	m^2	350.35
10.2.4	Three coats of synthetic paint to plastered soffit surface.	m^2	387.05
10.2.5	One coats of antirust two coats of synthetic enamel paint to ribbed sheet soffit	m^2	341.68
10.2.6	One coats of antirust two coats of synthetic enamel paint to metal surface	m^2	304.98
10.2.7	Three coats of varnish paint to wooden vertical surface	m^2	346.11
10.2.8	Three coats of varnish paint to wooden soffit	m^2	382.81
10.2.9	Two coats of Mica paint to internal plastered surface	m^2	324.66
10.2.10	Two coats of Mica paint to external plastered surface	m^2	339.95
10.2.11	Two coats of special aluminum paint to metal vertical surface.	m^2	302.43
10.2.12	Two coats of special antirust paint to GCIS &.EGA roof cover	m^2	242.77
10.3	**QUARTZ PAINT**		
10.3.1	Quartz paint to Plastered surface	m^2	937.65
10.3.3	Lime paint /ኖራ ቀለም የተቀባ/	m^2	354.17
10.3.4	**Supply and apply GRANITE PAINTING On external plastered wall surface. Price includes final coat of gypsum, primer painting, three coat of varnish and all the nessarry works.**	m^2	969.19
10.3.5	Prepare the surface and apply **Contextra (Texura Sparol)** paint to plastered HCB wall surface. Price shall include premium acrylic wall putty, two coats of wall primer, two coats of perfex acrylic emulsion color by the enginers approval, two coats of clear weather guard and product must be browed from ISO 9001,14001 and 45001 certified company and it shall be confirmed by the Engineer.	m^2	979.11
10.4	**JOTUN PAINTING OR EQUIVALENT**		
10.4.1	**For interior Areas(walls, exposed beams, columns, shear walls and RC ceiling) :** Three coats of approved quality acrylic emulsion Matt finish. **Painting System:** **Initial Coat (s):** One coat of PVA Primer acrylic co-polymer emulsion. **Finishing Coat (s):** Two coats of acrylic copolymer emulsion as per ISO 3233, VOC <10 gms/ltr as per ISO 11890 EU, Matt finish with the following properties: **Performance Properties:** 1) Low VOC Emission as per CDPH IAQ Version 1.1 or 1.2 2) Washability or Scrub Resistance of 5000 passes as per DIN 53778 3) Surface Burning Characterstics of Class A as per ASTM E 84	m^2	235.00
10.4.2	**For External Concrete, Plastered Surfaces** JOTUN texotile system **Paint System:** Initial Coat (s): One coat water based acrylic co-polymer-based alkali resistant primer/sealer, vol. solids 37± 2% as per ISO 3233: 1998 (E) referred as Jotashield Alkali Resistance Primer. **Intermediate Coat:** Exterior emulsion based on acrylic copolymer emulsion with Volume Solid 62 ± 2 %. VOC as per ISO 11890 EU referred as Texo Compound. **Finishing Coat (s):** Two coats of pure acrylic emulsion with Vol. Solids: 35% ± 2 %. solids, referred to as" Jotashield Eterna a High Quality Pure acrylic exterior topcoat with anti-dust technology as per SS 500:2002, washability, UV resitance as per ASTM D4587-23 and breathablity as per EN ISO 7783:2011, Crack-bridging according to BS EN 1062-7.	m^2	778.00

Prepared by/ Checked by:- Henok Abebe

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10.5	**GLAZING**		
10.5.1	Supply and fix 3mm clear glass.	m^2	1,494.07
10.5.2	Supply and fix 4mm clear glass.	m^2	2,043.52
10.5.3	Supply and fix 5mm clear glass.	m^2	2,926.26
10.5.4	Supply and fix 6mm clear glass.	m^2	3,069.75
10.5.5	Supply and fix 4mm Figured glass.	m^2	2,876.27
10.5.6	Supply and fix 5mm Figured glass.	m^2	2,988.66
10.5.7	Supply and fix6mm Figured glass.	m^2	3,153.66
10.5.8	Supply and fix 3mm Frosted glass.	m^2	2,713.66
10.5.9	Supply and fix 4mm Frosted glass.	m^2	2,876.26
10.5.10	Supply and fix 5mm Frosted glass.	m^2	3,163.22
10.5.11	Supply and fix 6mm Frosted glass.	m^2	3,274.66
10.5.12	Supply and fix 4mm Tinted glass.	m^2	2,952.79
10.5.13	Supply and fix 5mm Tinted glass.	m^2	3,065.66
10.5.14	Supply and fix 6mm Tinted glass.	m^2	3,208.66
10.5.15	Supply and fix 4mm Reflected glass.	m^2	3,163.22
10.5.16	Supply and fix 5mm Reflected glass.	m^2	3,274.66
10.5.17	Supply and fix 6mm Reflected glass.	m^2	3,373.66
10.5.18	Supply and fix 6mm Laminated or security glass	m^2	4,071.92
10.5.19	Supply and fix 5mm Wired glass	m^2	3,813.66
10.5.20	**Supply & fix 10mm thick Tempered Frameless partition wall with all necessary accessories such as U- frame edging and adhesive fix all silicon etc.**	m^2	14,850.00
10.5.21	**Supply & fix 10mm thick Tempered Frameless clear Glass Door. Unit Price includes specified anchor bolts all other necessary accessories. Double Leaf Door type.**	m^2	17,050.00

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12.0	**SANITARY INSTALLATION**		
12.1	**Hand wash basin**		
12.1.1	HWB size 45 * 55 cm with all Accessories heavy duty flexbile (RAK)	PCS	20,085.25
12.1.2	HWB size 45 * 55 cm with all Accessories (Golden dragon sealed)	PCS	17,066.50
12.1.3	HWB size 40 * 50 cm with all Accessories (AQUA)	PCS	14,651.50
12.2	**Low flash water closet**		
12.2.1	Low flash WC with all accessories (RAK)	PCS	28,537.75
12.2.2	Low flash WC with all accessories (Golden dragon sealed)	PCS	26,726.50
12.2.3	Low flash WC with all accessories (AQUA)	PCS	19,240.00
12.2.4	Low flash WC with all accessories (Tabor ceramic)	PCS	9,459.25
12.2.5	Turkish type WC (RAK)	PCS	7,768.75
12.2.6	Turkish type WC (Tabor ceramic)	PCS	7,044.25
12.3	**Urinal**		
12.3.1	White glazed urinal with all accessories	PCS	10,412.40
12.3.2	Urinal with all accessories	PCS	10,412.40
12.4	**Toilet paper holder**		
12.4.1	Toilet paper holder	PCS	2,422.69
12.4.2	Toilet paper holder economy version	PCS	1,848.49
12.4.3	40 x 50 cm glass mirror	PCS	5,509.29
12.5	**Soap holder**		
12.5.1	Soap holder best quality	PCS	2,242.29
12.5.2	Soap holder economy version	PCS	1,491.54
12.6	**Towel Hanger**		
12.6.1	Supply and fix approved quality **Towel Hanger** made of chrome plated copper alloys, single tubular, surface mounted,bar length of 600mm near hand wash basin complete with fastening screws and other accessories.	PCS	2,311.80
12.6.2	Supply and fix medium quality **Towel Hanger** made of chrome plated copper alloys, single tubular, surface mounted,bar length of 600mm near hand wash basin complete with fastening screws and other accessories.	PCS	1,561.05
12.6.3	Supply and fix low quality **Towel Hanger** made of chrome plated copper alloys, single tubular, surface mounted,bar length of 600mm near hand wash basin complete with fastening screws and other accessories.	PCS	1,514.85
12.7	**Shower units**		
12.7.1	Supply and fix shower units made of enameled fiber glass, complete with level controlled mixing valve approved quality flexible shower head, P-smell trap and with all other necessary accessories. (70x70cm)	PCS	8,590.00
12.7.2	Supply and fix shower units made of enameled fiber glass, complete with level controlled mixing valve midium quality flexible shower head, P-smell trap and with all other necessary accessories. (70x70cm)	PCS	7,986.25
12.7.3	Supply and fix shower units made of enameled fiber glass, complete with level controlled mixing valve economic version flexible shower head, P-smell trap and with all other necessary accessories. (70x70cm)	PCS	7,744.75
12.7.4	Supply and fix shower units made of enameled cast iron, complete with level controlled mixing valve approved quality flexible shower head, P-smell trap and with all other necessary accessories. (70x70cm)	PCS	9,193.75
12.7.5	Supply and fix shower units made of enameled cast iron, complete with level controlled mixing valve economic version flexible shower head, P-smell trap and with all other necessary accessories. (70x70cm)	PCS	8,952.25

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12.7.6	Shower box 90x90cm	PCS	60,000.00
12.7.7	Disabled Hand wash basin	PCS	42,382.09
12.7.8	Disabled Water Closet	PCS	36,107.09
12.7.9	Disabled Toilet (**Disable HWB & Disable WC**)	PCS	82,413.65
12.8	**Bath Tab**		
12.8.1	70x170cm Bath Tab with all accessories	PCS	35,485.20
12.8.2	70x170cm Bath Tab with all accessories midium quality	PCS	30,655.20
12.8.3	70x170cm Bath Tab with all accessories (fiber glass)	PCS	28,240.20
12.9	**Kitchen sink**		
12.9.1	Kitchen sink (double bowel) Italy	PCS	10,015.15
12.9.2	Kitchen sink (double bowel) AQUA	PCS	9,543.15
12.9.3	Kitchen sink (double bowel) Milano	PCS	8,456.40
12.9.4	Kitchen sink (Single bowel) AQUA	PCS	7,611.15
12.9.5	Kitchen sink (Single bowel) Milano	PCS	6,645.15
12.10	**Water heater**		
12.10.1	Instant Water heater	PCS	25,930.20
12.10.2	50lt Water heater ordinary	PCS	32,860.20
12.10.3	80lt Water heater ordinary	PCS	43,255.20
12.10.4	100lt Water heater ordinary	PCS	57,692.70
12.10.5	50lt Water heater (Ariston)	PCS	41,675.20
12.10.6	80lt Water heater (Ariston)	PCS	58,675.20
12.10.7	100lt Water heater (Ariston)	PCS	73,675.20
12.11	**Floor drain**		
12.11.1	Floor drain (100mm) (Chrome plated)	PCS	2,111.49
12.11.2	Floor drain (80mm) (Chrome plated)	PCS	2,044.82
12.11.3	Floor drain (50mm) (Chrome plated)	PCS	1,553.84
12.11.4	Dia. 110mm clean out waste water	PCS	1,319.51
12.11.5	Dia. 80mm clean out	PCS	1,103.81
12.11.6	Dia.50mm clean out	PCS	966.31
12.11.7	Precast cloth washing basin	PCS	5,629.48
12.12	**PPR PIPE (PN 16)**		
12.12.1	1/2" PPR Pipe	ml	360.52
12.12.2	3/4" PPR Pipe	ml	449.12
12.12.3	1" PPR Pipe	ml	665.32
12.12.4	11/4" PPR Pipe	ml	929.32
12.12.5	11/2" PPR Pipe	ml	1,333.57
12.12.6	2" PPR Pipe	ml	2,043.07
12.12.7	21/2" PPR Pipe	ml	2,620.57
12.12.8	3" PPR Pipe	ml	3,528.07

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Approved by:-Mrut Ayalew

12.1	**Galvanized Steel Pipe**		
12.13.1	1/2" Galvanaized Steel Pipe (GSP) 15mm	ml	1,105.78
12.13.2	3/4" Galvanaized Steel Pipe (GSP) 20mm	ml	1,344.11
12.13.3	1" Galvanaized Steel Pipe (GSP) 25mm	ml	1,670.12
12.13.4	11/4" Galvanaized Steel Pipe (GSP) 32mm	ml	1,875.77
12.13.5	11/2" Galvanaized Steel Pipe (GSP) 40mm	ml	2,187.44
12.13.6	2" Galvanaized Steel Pipe (GSP) 50mm	ml	3,001.82
12.13.7	21/2" Galvanaized Steel Pipe (GSP) 63mm	ml	3,279.25
12.13.8	3" Galvanaized Steel Pipe (GSP) 75mm	ml	4,398.66
12.13.9	31/2" Galvanaized Steel Pipe (GSP)	ml	6,982.42
12.13.10	4" Galvanaized Steel Pipe (GSP)	ml	8,381.68
12.13.11	5" Galvanaized Steel Pipe (GSP)	ml	8,794.98
12.13.12	6" Galvanaized Steel Pipe (GSP)	ml	10,229.97
12.13.13	8" Galvanaized Steel Pipe (GSP)	ml	12,195.02
12.13.14	10" Galvanaized Steel Pipe (GSP)	ml	14,075.30
12.13.15	12" Galvanaized Steel Pipe (GSP)	ml	16,314.31
12.1	**Cast iron Pipe**		
12.14.1	3" Cast ironl Pipe (CIP)	ml	4,578.20
12.14.2	4" Cast ironl Pipe (CIP)	ml	6,205.34
12.14.3	5" Cast ironl Pipe (CIP)	ml	7,504.60
12.14.4	6" Cast ironl Pipe (CIP)	ml	9,334.97
12.14.5	8" Cast ironl Pipe (CIP)	ml	14,420.55
12.14.6	10" Cast ironl Pipe (CIP)	ml	19,602.40
12.14.7	12" Cast ironl Pipe (CIP)	ml	26,497.03
12.2	**HDPE Pipe (PN 16)**		
12.15.1	1/2" HDP Pipe	ml	1,470.49
12.15.2	3/4" HDP Pipe	ml	1,580.16
12.15.3	1"HDP Pipe	ml	1,684.04
12.15.4	11/4"HDP Pipe	ml	1,766.93
12.15.5	11/2"HDP Pipe	ml	1,909.59
12.15.6	2" HDP Pipe	ml	2,112.59
12.15.7	21/2" HDP Pipe	ml	2,409.54
12.15.8	3" HDP Pipe	ml	2,832.13
12.15.9	3.5" HDP Pipe	ml	3,605.52
12.15.10	4" HDP Pipe	ml	4,302.49
12.15.11	5" HDP Pipe	ml	5,187.27
12.2	**BRONEZ Gate Valve**		
12.19.1	*BRONEZ Gate Valve PN 16 1/2"X20*	PCS	1,493.15
12.19.2	BRONEZ Gate Valve PN 16 3/4"	PCS	1,927.93
12.19.3	BRONEZ Gate Valve PN 16 1"(25)	PCS	2,688.80
12.19.4	BRONEZ Gate Valve PN 16 32MM	PCS	3,993.15
12.19.5	BRONEZ Gate Valve PN 16 40MM	PCS	4,427.93
12.19.6	BRONEZ Gate Valve PN 16 2"	PCS	6,275.76
12.19.7	BRONEZ Gate Valve PN 16 21/2"	PCS	6,819.24
12.19.8	BRONEZ Gate Valve PN 16 3"	PCS	7,906.20
12.19.9	BRONEZ Gate Valve PN 16 3.5"	PCS	8,040.00
12.19.10	BRONEZ Gate Valve PN 16 4"	PCS	9,990.81
12.19.11	BRASS Gate Valve PN 16 3"	PCS	6,535.00
12.19.12	BRASS Gate Valve PN 16 21/2"	PCS	5,347.00
12.19.13	BRASS Gate Valve PN 16 11/2"	PCS	2,630.00
12.19.14	BRASS Gate Valve PN 16 2"	PCS	3,345.00
12.19.17	BRASS Gate Valve PN 16 4"	PCS	12,621.94
12.19.18	BRASS Gate Valve PN 16 3" two way	PCS	8,655.40
12.19.20	BRASS Gate Valve PN 16 4" two way	PCS	14,604.94
12.19.21	BRASS Gate Valve PN 16 5" two way	PCS	18,551.99
12.19.22	BRASS Gate Valve PN 16 6"	PCS	11,868.03
12.19.23	BRASS Gate Valve PN 16 8"	PCS	17,345.18
12.19.24	BRASS Gate Valve PN 16 10"	PCS	22,245.54
12.19.25	BRASS Gate Valve PN 16 12"	PCS	29,235.68
12.19.16	FLOAT VALVE Valve PN 16 2"(50)	PCS	1,285.91
12.2	**Cast iron Gate Valve**		
12.20.1	Cast iron Gate Valve PN 16 90mm	PCS	20,264.10
12.20.2	Cast iron Gate Valve PN 16 100mm	PCS	29,593.33
12.20.3	Cast iron Gate Valve PN 16 150mm	PCS	37,506.98
12.20.4	Cast iron Gate Valve PN 16 200mm	PCS	54,263.71
12.20.5	Cast iron Gate Valve PN 16 300mm	PCS	81,861.02

Prepared by/Checked by:-Henok Abebe

Approved by:-Hirut Ayalew

12.2	**Water Meter**		
12.21.2	25mm dia. Water Meter.	PCS	3,423.52
12.21.3	50mm dia. Water Meter.	PCS	6,623.52
12.2	**UPVC Pipe (PN6) without Civil assistance works**		
12.22.1	50 mm. dia. UPVC Pipe (without Civil works)	ml	497.37
12.22.2	65 mm. dia. UPVC Pipe (without Civil works)	ml	609.97
12.22.3	75 mm. dia. UPVC Pipe (without Civil works)	ml	671.75
12.22.4	110 mm. dia. UPVC Pipe (without Civil works)	ml	927.51
12.22.5	125 mm. dia. UPVC Pipe (without Civil works)	ml	1,199.31
12.22.6	160 mm. dia. UPVC Pipe (without Civil works)	ml	1,828.09
12.22.7	200 mm. dia. UPVC Pipe (without Civil works)	ml	2,224.06
12.22.8	225 mm. dia. UPVC Pipe (without Civil works)	ml	2,645.33
12.22.9	250 mm. dia. UPVC Pipe (without Civil works)	ml	4,307.79
12.22.10	315 mm. dia. UPVC Pipe (without Civil works)	ml	7,365.49
12.22.11	355 mm. dia. UPVC Pipe (without Civil works)	ml	8,593.07
12.22.12	400 mm. dia. UPVC Pipe (without Civil works)	ml	12,131.83
12.22.13	450 mm. dia. UPVC Pipe (without Civil works)	ml	13,345.01
12.22.14	500 mm. dia. UPVC Pipe (without Civil works)	ml	14,568.53
12.22.15	160 mm. dia. PERFORATED PIPE. Price shall include Geosyntehtic, Damp proof, Gravel 40-50mm, Select materal and Accessories	ml	5,010.83
12.2	**Vent cap**		
12.23.1	Dia. 50mm Vent cap	PCS	312.81
12.23.2	Dia. 80mm Vent cap	PCS	333.90
12.23.3	Dia. 100mm Vent cap	PCS	378.65
12.2	**UPVC Pipe down pipe**		
12.24.1	80 mm. dia. UPVC Pipe down pipe	ml	680.70
12.24.2	110 mm. dia. UPVC Pipe down pipe	ml	928.20
12.24.3	125 mm. dia. UPVC Pipe down pipe	ml	1,214.27
12.24.4	160 mm. dia. UPVC Pipe down pipe	ml	1,805.84
12.3	**Curb stone**		
12.32.1	Curb stone in C-25 size 150x400mm	ml	1,970.74
12.3	**Water tank**		
12.33.1	Fiber glass water tank 500 lt capacity	No.	30,545.79
12.33.2	Fiber glass water tank 1000 lt capacity	No.	32,737.48
12.33.3	Fiber glass water tank 3000 lt capacity	No.	58,545.79
12.33.4	Fiber glass water tank 5000 lt capacity	No.	79,545.79
12.33.5	Fiber glass water tank 10000 lt capacity	No.	153,545.79
12.33.6	Fiber glass water tank 15000 lt capacity	No.	207,545.79
12.33.7	Fiber glass water tank 20000 lt capacity	No.	262,545.79
12.33.8	Fiber glass water tank 25000 lt capacity	No.	358,545.79

Prepared by/ Checked by:-Henok Abebe

Approved by:-Hirut Asfaw

ITEM.NO.	DESCRIPTION	UNIT	2019 1ST QUARTER (ONLY DIRECT COST)
	Foot path & General Paving works		
1	Foot path (side walk) brick (15*30*0.5) stablished and compressed during preparation and rough surface) coloured concrete block on cement stablized sand base 50mm fine aggregate including any jointing work.	m^2	1,970.68
2	Foot path (side walk) brick (15*30*0.5) stablished and compressed during preparation and rough surface) coloured concrete block on mortar bedding including any jointing work.	m^2	2,606.26
3	Foot path (side walk) brick (I-section) stablished and compressed during preparation and rough surface) coloured concrete block on mortar bedding including any jointing work.	m^2	2,590.62
4	Foot path (side walk) brick (I-section) Width =15 and 9cm length = 30cm and thickness = 5cm stablished and compressed during preparation and rough surface) coloured concrete block on sand bedding including any jointing work.	m^2	1,955.76
5	Foot path (side walk) yellow tiles coloured concrete block on cement stablized sand base 50mm fine aggregate including any jointing work.	m^2	2,228.83
6	Foot path (side walk) yellow tiles coloured concrete block on mortar bedding including any jointing work.	m^2	2,551.94
7	Foot path (side walk) Zig zag compressed precoloured concrete block on cement stablized sand base 50mm fine aggregate including any jointing work.	m^2	2,171.59

Prepared by/Checked by:-Henok Abebe

Approved by:- Hirut Ayalew

ROAD WORK MAIN ITEMS

ITEM NO	DESCRIPTION	UNIT	2019 1ST QUARTER (ONLY DIRECT COST)
1	Capping layer under the sub base layer(Granular) compacted to thickness of 200mm up to average 15km distance.	m^3	2,571.20
2	Gravel sub base compacted to 96% AACRA test S-11 Density (Compacted layer of maximum 150mm) up to average 15km.	m^3	4,402.92
3	Base course compacted to 96% AACRA test S-11 Density (Compacted layer of maximum 150mm) up to average 15km.	m^3	4,546.00

Prepared by/Checked by:- Henok Abebe

Approved by:-Hirut Ayalew

ITEM	DESCRIPTION	UNIT	2019 1ST QUARTER (ONLY DIRECT COST)
	DRAINAGE WORK		
	Supply and construct concrete pipe Half ditch with all civil assistance works.		
1	Half Dia.30cm concrete pipe.	ml	1,387.58
2	Half Dia.40cm concrete pipe.	ml	1,564.97
	Supply and construct concrete pipe closed ditch with all civil assistance works.		
1	Supply and lay Diameter 30 cm concrete pipe	ml	1,722.40
2	Supply and lay Diameter 40 cm concrete pipe	ml	1,899.79
3	Supply and lay Diameter 50 cm concrete pipe	ml	3,548.43
4	Supply and lay Diameter 60 cm concrete pipe	ml	4,497.03
5	Supply and lay Diameter 100 cm concrete pipe	ml	9,657.44
	Supply and construct Reinforced concrete pipe closed ditch with all civil assistance works.		
1	Supply and lay Diameter 50 cm concrete pipe	ml	5,621.69
2	Supply and lay Diameter 60 cm concrete pipe	ml	6,488.69

Prepared by/ Checked by:- Henok Abebe

Approved by:-Hirut Ayalew