



ቀን /Date 30 / 04 /2018 /ም  
 Our Ref. 2U/አአ/ከ/አሰ/ዲ/ግ/ሥ/ቢሮ/605/2018

ለቢሮ ኃላፊ

ለም/ቢሮ ኃላፊ የኮንትራት አስተዳደር ዘርፍ

ለም/ቢሮ ኃላፊ የዲዛይን ዝግጅትና ምህንድስና ግዥ ዘርፍ

ለልደታ ክፍለ ከተማ ጽ/ቤት

ለየካ ክፍለ ከተማ ጽ/ቤት

ለቦሌ ክፍለ ከተማ ጽ/ቤት

ለኮልሬ ቀራንዮ ክፍለ ከተማ ጽ/ቤት

ለቂርቆስ ክፍለ ከተማ ጽ/ቤት

ለንፋስ ስልክ ላፍቶ ክፍለ ከተማ ጽ/ቤት

ለአራዳ ክፍለ ከተማ ጽ/ቤት

ለጉሰሌ ክፍለ ከተማ ጽ/ቤት

ለአዲስ ከተማ ክፍለ ከተማ ጽ/ቤት

ለአቃቂ ቃሊቲ ክፍለ ከተማ ጽ/ቤት

ለለሚ ኩራ ክፍለ ከተማ ጽ/ቤት

ለቤቶች ልማት ኮርፖሬሽን

ለቤቶች ልማትና አስተዳደር ቢሮ

ለውሃና ፍሳሽ አገልግሎት

ለመንገዶች ባለሥልጣን

ለመሬት ልማትና አስተዳደር ቢሮ

ለአካባቢ ጥበቃ ባለሥልጣን

ለከተማ ውበትና አረንጓዴ ልማት ቢሮ

ለትራንስፖርት ቢሮ

ለግንባታ ፈቃድና ቁጥጥር ባለሥልጣን

አዲስ አበባ

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ቀን /Date 30 / 04 /2018 /ም

Our Ref. 2U/አአ/ጠ/አሰ/ዲ/ግ/ሥ/ቢሮ/605/2018

**ጉዳዩ:- የ2018 በጀት ዓመት 2ኛ ሩብ ዓመት የግንባታ ሥራዎች የቀጥተኛ ዋጋ (Direct Cost) ይመለከታል**

ከላይ በርዕሱ እንደተጠቀሰው በአዲስ አበባ ከተማ አስተዳደር የዲዛይንና ግንባታ ሥራዎች ቢሮ በዓዎጅ ቁጥር 74/2014 በተሰጠው ሥልጣን መሰረት ወቅታዊ የግንባታ ስራዎች ቀጥተኛ ዋጋ በማጥናት ለሚመለከታቸው ተቋማት እያሰራጨ ይገኛል።

በዚህ መሰረት በያዘነው በጀት ዓመት 2ኛ ሩብ ዓመት በቢሮው ለማካኝነት ተዘጋጅቶ የጸደቀውን የግንባታ ሥራዎች ቀጥተኛ ዋጋ (Direct Cost) ከዚህ ቀጥሎ በተገለጸው በቢሮ ድረ ገጽ መጠቀም የምትችሉ መሆኑን እንገልጿለን።

- 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

ከሰላምታ ጋር

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**ገልበጭ**

- ለም/ቢሮ/ጋ/ሰ/አ/ል/ቱ/ዘርፍ
- የግ/ሰ/ዋ/ጥ/አቅ/ግ/ዲይሬክቶሬት
- ለግንባታ ስራዎች ዋጋ ጥናት ቡድን መሪ

ዲ/ግ/ቢ



የአዲስ አበባ ከተማ አስተዳደር ዲ.ዛ.ይ.ን.ና ግንባታ ስራዎች ቢሮ

Addis Ababa City Administration Design And

Construction Works Bureau



የ2018 ዓ.ም  
የ2ኛ ሩብ ዓመት  
የግንባታ ስራዎች  
ቀጥተኛ ዋጋ  
(DIRECT COST)  
ጥናት



መግቢያ፡-

በአዲስ አበባ ከተማ አስተዳዳሪ በኮንስትራክሽን ቢሮ በአዋጅ ቁጥር በተሰጠው ስልጣን መሰረት የኮንስትራክሽን ግብዓት ቁርጥ ዋጋ ተዘዋዋሪ ወጪ (Overhead) እና ትርፍ (Profit) ተስልቶ ጭምር ለባለድርሻ አካላት የሚተላለፍ ቢሆንም ይህንን የቁርጥ ዋጋ በተለይ የተደራጁ ማህበራት የሚጠቀሙት ከመሆኑ አንጻር የኮንስትራክሽን ኢንዱስትሪውን እድገትና የማህበራቱን አቅም ከመገንባት አንጻር ለረጅም ጊዜ ወቅታዊነቱን ሚዛናዊነትን ያማክስ በቁርጥ ዋጋ ለሚሰሩ ስራዎች የተዘዋዋሪ (Overhead) 7% እና ትርፍ (Profit) 8% በማድረግ የገንባታ ስራ ነጠላ ዋጋ ጥናት ቢሮው ሲደረግ ቆይቶአል።

ሆኖም ለተለያዩ የገንባታ ስራዎች እንደፕሮጀክቱ ስፋት፣ የተጻፈው አቅምና ደረጃ እንዲሁም ልዩ ልዩ ነባራዊ ሁኔታዎች የተዘዋዋሪ (Overhead) እና ትርፍ (Profit) አሰራር የሚለያይ በመሆኑ በያዝነው በጀት አመት ጥናቱ ቀጥተኛ ወጪ (Direct Cost) ብቻ ያካተተ ሲሆን ተጽማት ግን እንደፕሮጀክቱ ሁኔታ ከዚህ ቀጥሎ በተዘረዘረው መግለጫ አሰራር መሰረት በመጠቀም (Overhead) እና ትርፍ (Profit) ተክለው የገንባታ ስራ ነጠላ ዋጋ መትከል የሚቻልበት ሁኔታ መፍጠር አስፈላጊ በመሆኑ ቢሮው በዚህ መሰረት ተፈጻሚ እንዲሆን ውሳኔ ላይ ደርሶአል። በመሆኑም ከዚህ በመቀጠል በዝርዝር በተቀመጠው የአሰራር መግለጫ መሰረት ባለድርሻ አካላት የገንባታ ስራ ነጠላ ዋጋ ማስፈጸም የሚችሉበት ሁኔታ እንዲፈጸር ተደርጎአል።



1. ተዘዋዋሪ ዋጋ /ወጪ/ (O)

ተዘዋዋሪ ወጪ እንደ የጽ/ቤት ኪራይ፣ የጽ/ቤት ዕቃ ዕልቀት፣ የሠራተኞች ደመወዝ፣ የፖስታ መላላኪያ፣ የመብራት፣ የስልክ፣ የውሃ፣ የውሎ አበል፣ ወዘተ የመሳሰሉትን ወጪዎች ለመሸፈን የሚወጣ ክፍያ ነው። እንደ የድርጅቱ አቅምና ደረጃ እንዲሁም በእጅ ላይ በሚገኙ ፕሮጀክቶች ብዛት፣ መጠን አቅምና ደረጃ ተዘዋዋሪ ወጪ ዋጋ ፕሮሰንት ይለያያል። ተዛማጅ ዋጋ /ወጪ/ በሁለት ይከፈላል፡- እነርሱም የዋና መሰሪያ ቤት እና የፕሮጀክት ሳይት በመባል ይታወቃሉ።

- ለደረጃ 3 እና ከዚያ በላይ ላሉ ሥራ ተቋራጮች እስከ 10% የቀጥተኛ ወጪ /Direct Cost/ ድረስ ይሰላል።
- ለደረጃ 4፣ 5 እና 6 ሥራ ተቋራጮች እስከ 8% የቀጥተኛ ወጪ /Direct Cost/ ድረስ ይሰላል።
- ከደረጃ 6 በታች ላሉ ሥራ ተቋራጮች እስከ 6% ድረስ ይሰላል።

ጥልቅ የሆነ ሥራ ለመስራት አባሪ የተደረገውን የተዛማጅ ወጪዎችን ዝርዝር መጠቀም ይቻላል።

2. ትርፍ (P)

- የፕሮጀክት ዋጋቸው ከ5,000,000.00 ብር በታች ለሆኑ 13% የቀጥተኛ የሥራ ዋጋ /ወጪ/ ትርፍ ይሰላል።
- የፕሮጀክት ዋጋቸው ከ5,000,000.00 ብር እስከ 15,000,000.00 ብር ለሆኑ 11% የቀጥተኛ የሥራ ዋጋ /ወጪ/ ትርፍ ይሰላል።
- የፕሮጀክት ዋጋቸው ከ15,000,000.00 ብር እስከ 30,000,000.00 ብር ለሆኑ 10% የቀጥተኛ የሥራ ዋጋ /ወጪ/ ትርፍ ይሰላል።
- የፕሮጀክት ዋጋቸው ከ30,000,000.00 ብር እስከ 50,000,000.00 ብር ለሆኑ 10% የቀጥተኛ የሥራ ዋጋ /ወጪ/ ትርፍ ይሰላል።
- ከ50,000,000.00 ብር በላይ ለሆኑ 7% የቀጥተኛ የሥራ ዋጋ /ወጪ/ ትርፍ ይሰላል።



ITEM NO	DESCRIPTION	UNIT	2018 2nd Quarter (Only Direct cost)
<b>1.1</b>	<b>Load and cart away all demolishing &amp; dismantling material to an appropriate tip. (Manually)</b>		
1.1.1	Demolishing the lamera wall	m <sup>2</sup>	142.05
1.1.2	Demolishing the existing CIS wall	m <sup>2</sup>	26.63
1.1.3	Demolishing of wooden wall	m <sup>2</sup>	150.48
1.1.4	Demolishing of gypsum wall	m <sup>2</sup>	75.24
1.1.5	Demolishing the CIS roof	m <sup>2</sup>	42.61
1.1.6	Demolishing of 7x5 cm zigba purline	ml	21.31
1.1.7	Demolishing of eucalyptus upper & lower chords	ml	65.98
1.1.8	Dimolish RHS purline	ml	35.51
1.1.9	Dimolishing the RHS truss.	ml	85.03
1.1.10	Desmantling Gutter	ml	28.38
1.1.11	Desmantling down pipe	ml	49.29
1.1.12	Demolishing the chipwood ceiling	m <sup>2</sup>	86.38
1.1.13	Demolishing the tember ceiling	m <sup>2</sup>	119.97
1.1.14	Demolishing the abujedid ceiling	m <sup>2</sup>	29.99
1.1.15	Dismantle the metal doors from the wall.	m <sup>2</sup>	139.99
1.1.16	Dismantle the metal windows from the wall.	m <sup>2</sup>	125.99
1.1.17	Desmantling fascia board	ml	39.41
1.1.18	Desmantling ridge & copping	ml	56.76
1.1.19	Demolishing the PVC floor tile	m <sup>2</sup>	37.62
1.1.20	Demolishing kitchen sink	pcs	57.90
1.1.21	Demolishing toilet WC,HW,turkish seat	pcs	173.70
1.1.22	Desmantling of wooden door & window	m <sup>2</sup>	112.31
<b>1.2</b>	<b>Demolishing Work of different structures N.B. price include clearing the working area &amp; dispose debri (at inside Construction Site) as indicated the supervisor</b>		
1.2.1	Masonry Structure (BGL)	m <sup>3</sup>	476.27
1.2.2	Masonry Structure (AGL)	m <sup>3</sup>	635.03
1.2.3	Demolishing of 25cm thick hardcore	m <sup>2</sup>	44.81
1.2.4	Concrete Structures	m <sup>3</sup>	2,111.55
1.2.5	10cm thick HCB Structure	m <sup>2</sup>	45.56
1.2.6	15cm thick HCB Structure	m <sup>2</sup>	60.51
1.2.7	20cm thick HCB Structure	m <sup>2</sup>	84.71
1.2.8	Terrazzo floor	m <sup>2</sup>	94.12
1.2.9	Cement screed floor	m <sup>2</sup>	21.18
1.2.10	8cm thick Mass concrete floor	m <sup>2</sup>	28.24
1.2.11	30x120x3cm thick marble tread	pcs	187.26
1.2.12	15x120x3cm thick marble riser	pcs	140.44
1.2.13	Steel Structure	Kg	8.78
1.2.14	Demolishing the ceramic wall tile	m <sup>2</sup>	94.12
1.2.15	Demolishing the ceramic floor tile (6 & 8 mm thick)	m <sup>2</sup>	105.89
	<b>(From 1st -3rd floor)</b>		
1.2.14	Concrete Structures	m <sup>3</sup>	2,638.69
1.2.15	10cm thick HCB Structure	m <sup>2</sup>	64.11
1.2.16	15cm thick HCB Structure	m <sup>2</sup>	82.43
1.2.17	20cm thick HCB Structure	m <sup>2</sup>	115.40
1.2.18	Terrazzo floor	m <sup>2</sup>	122.89
1.2.19	Cement screed floor	m <sup>2</sup>	27.65
1.2.20	30x120x3cm thick marble tread	m <sup>2</sup>	230.40
1.2.21	15x120x3cm thick marble riser	m <sup>2</sup>	172.80
1.2.22	Steel Structure	kg	10.80
1.2.23	Demolishing the ceramic wall tile	m <sup>2</sup>	122.89
1.2.24	Demolishing the ceramic floor tile (6 & 8 mm thick)	m <sup>2</sup>	138.25
	<b>(From 4th -7th floor)</b>		
1.2.23	Concrete Structures	m <sup>3</sup>	3,285.82
1.2.24	10cm thick HCB Structure	m <sup>2</sup>	65.83
1.2.25	15cm thick HCB Structure	m <sup>2</sup>	84.64
1.2.26	20cm thick HCB Structure	m <sup>2</sup>	118.49

Prepared by:- Mulu T.

Checked by:- Gezahegn G.

Approved by:- Hirut A.



ITEM NO	DESCRIPTION	UNIT	2018 2nd Quarter (Only Direct cost)
1.2.27	Terrazzo floor	m <sup>2</sup>	131.66
1.2.28	Cement screed floor	m <sup>2</sup>	29.62
1.2.29	30x120x3cm thick marble tread	m <sup>2</sup>	265.54
1.2.30	15x120x3cm thick marble riser	m <sup>2</sup>	199.16
1.2.31	Steel Structure	kg	15.88
1.2.32	Demolishing the ceramic wall tile	m <sup>2</sup>	151.85
1.2.33	Demolishing the ceramic floor tile (6 & 8 mm thick)	m <sup>2</sup>	170.60
	(From 8th -12th floor)		
1.2.32	Concrete Structures	m <sup>3</sup>	3,932.96
1.2.33	10cm thick HCB Structure	m <sup>2</sup>	93.84
1.2.34	15cm thick HCB Structure	m <sup>2</sup>	103.13
1.2.35	20cm thick HCB Structure	m <sup>2</sup>	144.38
1.2.36	Terrazzo floor	m <sup>2</sup>	160.42
1.2.37	Cement screed floor	m <sup>2</sup>	36.09
1.2.38	30x120x3cm thick marble tread	m <sup>2</sup>	308.68
1.2.39	15x120x3cm thick marble riser	pcs	231.51
1.2.40	Steel Structure	kg	15.60
1.2.41	Demolishing the ceramic wall tile	m <sup>2</sup>	180.41
1.2.42	Demolishing the ceramic floor tile (6 & 8 mm thick)	m <sup>2</sup>	202.96
	(From 13th -20th floor)		
1.2.41	Concrete Structures	m <sup>3</sup>	4,580.10
1.2.42	10cm thick HCB Structure	m <sup>2</sup>	94.59
1.2.43	15cm thick HCB Structure	m <sup>2</sup>	121.62
1.2.44	20cm thick HCB Structure	m <sup>2</sup>	170.26
1.2.45	Terrazzo floor	m <sup>2</sup>	189.18
1.2.46	Cement screed floor	m <sup>2</sup>	42.57
1.2.47	30x120x3cm thick marble tread	m <sup>2</sup>	351.83
1.2.48	15x120x3cm thick marble riser	pcs	263.87
1.2.49	Steel Structure	kg	17.62
1.2.50	Demolishing the ceramic wall tile	m <sup>2</sup>	209.17
1.2.51	Demolishing the ceramic floor tile (6 & 8 mm thick)	m <sup>2</sup>	235.32
<b>2</b>	<b>Excavation and earth work /የአፈር ቁፋር/</b>		
<b>2.1</b>	<b>Site clearance and excavation (mechanized)</b>		
2.1.1	20cm. Clearing on wet & black soil.	m <sup>2</sup>	80.77
<b>2.2</b>	<b>Bulk excavation in loose &amp; dry soil</b>		
2.2.1	to a depth not exceeding 1.5m	m <sup>3</sup>	301.72
2.2.2	to a depth exceeding 1.50m but not exceeding 3.00m	m <sup>3</sup>	369.85
2.2.3	to a depth exceeding 3.00m but not exceeding 4.50m	m <sup>3</sup>	447.87
2.2.4	to a depth exceeding 4.50m but not exceeding 6.00m	m <sup>3</sup>	511.85
2.2.5	to a depth exceeding 6.00m but not exceeding 7.50m	m <sup>3</sup>	597.16
2.2.6	to a depth exceeding 7.50m but not exceeding 9.00m	m <sup>3</sup>	716.59
2.2.7	to a depth exceeding 9.00m but not exceeding 10.50m	m <sup>3</sup>	796.21
<b>2.3</b>	<b>Pit excavation in loose &amp; dry soil</b>		
2.3.1	to a depth not exceeding 1500cm loose and dry soil.	m <sup>3</sup>	341.23
2.3.2	to a depth exceeding 1500cm but not exceeding 3000mm	m <sup>3</sup>	389.98
2.3.3	to a depth exceeding 3000cm but not exceeding 4500mm	m <sup>3</sup>	454.98
2.3.4	to a depth exceeding 4500cm but not exceeding 6000mm	m <sup>3</sup>	545.97
2.3.5	to a depth exceeding 6000cm but not exceeding 7500mm	m <sup>3</sup>	682.47
2.3.6	to a depth exceeding 7500cm but not exceeding 9000mm	m <sup>3</sup>	862.06
2.3.7	to a depth exceeding 9000cm but not exceeding 10500mm	m <sup>3</sup>	1,169.94
<b>2.4</b>	<b>Bulk excavation in soft rock</b>		
2.4.1	not exceeding 1.5m	m <sup>3</sup>	576.06
2.4.2	Over 1.5.0m,not exceeding 3m	m <sup>3</sup>	582.30
2.4.3	Over 3.0m,not exceeding 4.5m	m <sup>3</sup>	706.29
2.4.4	Over 4.5m,not exceeding 6.0m	m <sup>3</sup>	1,008.99
2.4.5	Over 6.0m,not exceeding 7.5m	m <sup>3</sup>	1,441.42
2.4.6	Over 7.5m,not exceeding 9.0m	m <sup>3</sup>	2,059.17
2.4.7	Over 9.0m,not exceeding 10.5m	m <sup>3</sup>	2,941.67

Prepared by:- Mulu T.

Checked by:- Gezahegn G.

Approved by:- Hirut A.



ITEM NO	DESCRIPTION	UNIT	2018 2nd Quarter (Only Direct cost)
<b>2.5</b>	<b>Pit excavation in soft rock</b>		
2.5.1	not exceeding 1.5m	m <sup>3</sup>	716.87
2.5.2	Over 1.5.0m,not exceeding 3m	m <sup>3</sup>	787.77
2.5.3	Over 3.0m,not exceeding 4.5m	m <sup>3</sup>	975.33
2.5.4	Over 4.5.0m,not exceeding 6m	m <sup>3</sup>	1,393.33
2.5.5	Over 6m,not exceeding 7.5m	m <sup>3</sup>	1,990.48
2.5.6	Over 7.5m,not exceeding 9m	m <sup>3</sup>	2,843.54
2.5.7	Over 9m,not exceeding 10.5m	m <sup>3</sup>	4,062.20
<b>2.6</b>	<b>Bulk excavation in hard rock</b>		
2.6.1	not exceeding 1.50m	m <sup>3</sup>	1,048.15
2.6.2	Over 1.5m,not exceeding 3m	m <sup>3</sup>	1,307.13
2.6.3	Over 3.0m,not exceeding 4.5m	m <sup>3</sup>	1,571.25
2.6.4	Over 4.5m,not exceeding 6.0m	m <sup>3</sup>	2,139.08
2.6.5	Over 6.0m,not exceeding 7.5m	m <sup>3</sup>	2,673.85
2.6.6	Over 7.5m,not exceeding 9.0m	m <sup>3</sup>	3,342.31
2.6.7	Over 9.0m,not exceeding 10.5m	m <sup>3</sup>	3,932.13
<b>2.7</b>	<b>Pit excavation in hard rock</b>		
2.7.1	not exceeding 1.50m	m <sup>3</sup>	1,433.74
2.7.2	Over 1.5m,not exceeding 3m	m <sup>3</sup>	1,772.48
2.7.3	Over 3.0m,not exceeding 4.5m	m <sup>3</sup>	2,304.23
2.7.4	Over 4.5m,not exceeding 6m	m <sup>3</sup>	3,135.00
2.7.5	Over 6.0m,not exceeding 7.5m	m <sup>3</sup>	4,478.57
2.7.6	Over 7.5m,not exceeding 9m	m <sup>3</sup>	6,397.96
2.7.7	Over 9m,not exceeding 10.5m	m <sup>3</sup>	9,139.94
<b>2.8</b>	<b>Back fill</b>		
2.8.1	Back fill selected excavated mats. from the site.(mechanized)	m <sup>3</sup>	813.04
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 <sup>3</sup>	2,125.54
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 <sup>3</sup>	1,807.79
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 <sup>3</sup>	1,641.04
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 <sup>3</sup>	1,457.04
2.8.6	25cm. thick basaltic hard core. (Mechanized)	m <sup>2</sup>	862.79
<b>3</b>	<b>EXCAVATION AND EARTH WORK. (manual)</b>		
	20cm. Clearing on wet & black soil.	m <sup>2</sup>	80.77
<b>3.1</b>	<b>Bulk excav.in loose and dry soil.</b>		
3.1.1	to a depth not exceeding 1500mm	m <sup>3</sup>	588.46
3.1.2	to a depth exceeding 1500mm but not exceeding 3000mm	m <sup>3</sup>	678.99
3.1.3	to a depth exceeding 3000mm but not exceeding 4500mm	m <sup>3</sup>	767.56
<b>3.2</b>	<b>Bulk excav.in soft rock.</b>		
3.2.1	not exceeding 1.5m	m <sup>3</sup>	1,172.18
3.2.2	Over 1.5.0m,not exceeding 3m	m <sup>3</sup>	1,318.70
3.2.3	Over 3.0m,not exceeding 4.5m	m <sup>3</sup>	1,623.01
<b>3.3</b>	<b>Bulk excav.in hard rock.</b>		
3.3.1	not exceeding 1.50m	m <sup>3</sup>	2,109.92
3.3.2	Over 1.5m,not exceeding 3m	m <sup>3</sup>	2,476.14
3.3.3	Over 3.0m,not exceeding 4.5m	m <sup>3</sup>	3,809.45
<b>3.4</b>	<b>Pit &amp; Trench excav. in loose and dry soil.</b>		
3.4.1	not exceeding 1500cm	m <sup>3</sup>	653.84
3.4.2	to a depth exceeding 1500cm but not exceeding 3000mm	m <sup>3</sup>	802.45
3.4.3	to a depth exceeding 3000cm but not exceeding 4500mm	m <sup>3</sup>	1,103.36
<b>3.5</b>	<b>Pit &amp; Trench excav. in soft rock</b>		
3.5.1	not exceeding 1.5m	m <sup>3</sup>	1,406.61
3.5.2	Over 1.5.0m,not exceeding 3m	m <sup>3</sup>	1,758.27
3.5.3	Over 3.0m,not exceeding 4.5m	m <sup>3</sup>	2,109.92



Prepared by:- Mulu T.

Checked by:- Gezahegn G.

Approved by:- Hirut A.

ITEM NO	DESCRIPTION	UNIT	2018 2nd Quarter (Only Direct cost)
<b>3.6</b>	<b>Pit Excavation in hard rock</b>		
3.6.1	not exceeding 1.5m	m <sup>3</sup>	2,344.35
3.6.2	Over 1.5m,not exceeding 3m	m <sup>3</sup>	2,692.73
3.6.3	Over 3m,not exceeding 4.5m	m <sup>3</sup>	4,716.46
<b>3.6</b>	<b>Trench Excavation in hard rock</b>		
3.6.1	not exceeding 1.5m	m <sup>3</sup>	2,705.02
3.6.2	Over 1.5m,not exceeding 3m	m <sup>3</sup>	3,637.79
3.6.3	Over 3m,not exceeding 4.5m	m <sup>3</sup>	6,205.64
<b>3.7</b>	<b>Back fill</b>		
3.7.1	Back fill selected excavated mats. from the site. (Manualy)	m <sup>3</sup>	706.99
3.7.2	Back fill selected excavated mats. from out side the site. (Upto 20km from Quarry site as long as Project Site) (Manualy)	m <sup>3</sup>	2,112.05
3.7.3	Back fill selected excavated mats. from out side the site. (Upto 15km from Quarry site as long as Project Site) (Manualy)	m <sup>3</sup>	1,794.30
3.7.4	Back fill selected excavated mats. from out side the site. (Upto 10km from Quarry site as long as Project Site) (Manualy)	m <sup>3</sup>	1,627.55
3.7.5	Back fill selected excavated mats. from out side the site. (Upto 5km from Quarry site as long as Project Site) (Manualy)	m <sup>3</sup>	1,443.55
3.7.3	Load and Cart away surplus excavated materials to 5km	m <sup>3</sup>	462.26
3.7.4	Load and Cart away surplus excavated materials to 10km	m <sup>3</sup>	490.27
3.7.5	Load and Cart away surplus excavated materials to 15km	m <sup>3</sup>	559.97
3.7.6	Load and Cart away surplus excavated materials to 20km	m <sup>3</sup>	659.47
3.7.6	25cm. thick basaltic hard core. (basaltic stone) (Manualy)	m <sup>2</sup>	808.94
3.7.7	Supply, Spread & Compact Red Ash.	m <sup>3</sup>	2,552.67
<b>4</b>	<b>CONCRETE WORK</b>		
	<b>SUB STRUCTURE</b>		
a	C-7 Lean Concrete (Hand mix) (C-7)	m <sup>2</sup>	501.29
b	C-5 Lean Concrete (Hand mix) (C-5)	m <sup>2</sup>	475.09
c	C-15 10cm thick mass concrete pavement cost include hard core & 7cm selected material.	m <sup>2</sup>	2,356.77
d	Mortar production (1:3)	m <sup>3</sup>	9,734.29
e	Light Weight Concrete 1:2:5	m <sup>3</sup>	9,697.61
f	10cm Thick C-15 mass Concrete	m <sup>2</sup>	1,111.44
g	Supply & Apply polymer modified Semi elastic cementitious coating or equivalent water proofing	m <sup>2</sup>	635.00
h	Supply & Apply 4mm thick approved quality water proof membrane	m <sup>2</sup>	1,614.00
i	Supply & Apply ACRYLIC approved quality water proof.	m <sup>2</sup>	739.13
j	10mm thick styroroam expansion joint between ground floor slab & beam.	ml	126.30
k	20mm thick styroroam expansion joint between ground floor slab & beam.	ml	166.96
l	GRP Water Tanker with all fitting accessories	m <sup>3</sup>	85,000.00
	<b>SUB STRUCTURE</b>		
<b>4.1</b>	<b>R.C. C-15 280 kg of cement per m3 with drum mixer</b>		
4.1.1	C-15 Concrete (Mechanical Mix) 1:2:4 with admixture	m <sup>3</sup>	11,778.37
4.1.2	C-15 Concrete (Mechanical Mix) 1:2:4 for Footing ,Beam and slab	m <sup>3</sup>	11,114.37
4.1.3	C-15 Concrete (Mechanical Mix) 1:2:4 for Column ,shear wall	m <sup>3</sup>	11,616.93
<b>4.2</b>	<b>R.C. C-20 336 kg of cement per m3 with drum mixer</b>		
4.2.1	C-20 Concrete (Mechanical Mix) 1:2:3 with admixture	m <sup>3</sup>	12,429.54
4.2.2	C-20 Concrete (Mechanical Mix) 1:2:3 for Footing ,Beam and slab	m <sup>3</sup>	11,765.54
4.2.3	C-20 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m <sup>3</sup>	12,267.93
<b>4.3</b>	<b>R.C. C-25 378 kg of cement per m3 with drum mixer</b>		
4.3.1	C-25 Concrete (Mechanical Mix) 1:2:3 with admixture	m <sup>3</sup>	12,967.87
4.3.2	C-25 Concrete (Mechanical Mix) 1:2:3 for Footing ,Beam and slab	m <sup>3</sup>	12,303.87
4.3.3	C-25 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m <sup>3</sup>	12,806.26
4.3.4	C-25 Concrete (Mechanical Mix) 1:2:3 for 10cm thick slab	m <sup>2</sup>	1,230.39
<b>4.4</b>	<b>R.C. C-30 420 kg of cement per m3 with drum mixer</b>		
4.4.1	C-30 Concrete (Mechanical Mix) 1:2:3 with admixture	m <sup>3</sup>	13,618.87
4.4.2	C-30 Concrete (Mechanical Mix) 1:2:3 for Footing ,Beam and slab	m <sup>3</sup>	12,954.87
4.4.3	C-30 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m <sup>3</sup>	13,457.26

Prepared by:- Mulu T.

Checked by:- Gezahegn G.

Approved by:- Hirut A.



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ITEM NO	DESCRIPTION	UNIT	2018 2nd Quarter (Only Direct cost)
<b>SUPER STRUCTURE</b>			
4.7	<b>R.C. C-25 378 kg of cement per m3 with drum mixer</b>		
4.7.1	C-25 Concrete (Mechanical Mix) 1:2:3 with admixture	m <sup>3</sup>	13,433.87
4.7.2	C-25 Concrete (Mechanical Mix) 1:2:3 for Beam and slab	m <sup>3</sup>	12,769.87
4.7.3	C-25 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m <sup>3</sup>	13,345.33
4.7.4	C-25 Concrete (Mechanical Mix) 1:2:3 for Stair case	m <sup>3</sup>	13,756.38
4.7.5	C-25 Concrete (Mechanical Mix) 1:2:3 for 15cm thick slab	m <sup>2</sup>	1,845.58
4.7.6	C-25 Concrete (Mechanical Mix) 1:2:3 for 18cm thick slab	m <sup>2</sup>	2,214.70
4.8	<b>R.C. C-30 420 kg of cement per m3 with drum mixer</b>		
4.8.1	C-30 Concrete (Mechanical Mix) 1:2:3 with admixture	m <sup>3</sup>	14,084.87
4.8.2	C-30 Concrete (Mechanical Mix) 1:2:3 for Beam and slab	m <sup>3</sup>	13,420.87
4.8.3	C-30 Concrete (Mechanical Mix) 1:2:3 for Column ,shear wall	m <sup>3</sup>	13,996.33
4.8.4	C-30 Concrete (Mechanical Mix) 1:2:3 for Stair case	m <sup>3</sup>	14,407.38
<b>READY MIX CONCRETE WITH STATIONARY PUMP</b>			
4.13.6	Supply and cast Reinforced concrete quality C-25,378 Kg of cement/ m <sup>3</sup> 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). <b>Ready-Mix To connect stationery Pump.</b> Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m <sup>3</sup>	13,690.71
4.13.7	Supply and cast Reinforced concrete quality C-30, 420 Kg of cement/ m <sup>3</sup> 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). <b>Ready-Mix To connect stationery Pump.</b> Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m <sup>3</sup>	14,740.71
4.13.7	Supply and cast Reinforced concrete quality C-40, 504 Kg of cement/ m <sup>3</sup> 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). <b>Ready-Mix To connect stationery Pump.</b> Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m <sup>3</sup>	16,210.71
<b>READY MIX CONCRETE WITHOUT STATIONARY PUMP</b>			
4.13.6	Supply and cast Reinforced concrete quality C-25,378 Kg of cement/ m <sup>3</sup> 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) <b>Ready-Mix.</b> Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m <sup>3</sup>	13,390.71
4.13.7	Supply and cast Reinforced concrete quality C-30, 420 Kg of cement/ m <sup>3</sup> 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) <b>Ready-Mix .</b> Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m <sup>3</sup>	14,440.71
4.13.7	Supply and cast Reinforced concrete quality C-40, 504 Kg of cement/ m <sup>3</sup> 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) <b>Ready-Mix.</b> Unit price Shall include Water tight & Concrete bondage chemicals as well as all the necessary works.	m <sup>3</sup>	15,910.71
4.14	<b>Form work</b>		
4.14.1	Wooden form work For Beam, Footing & Column.sub structure	m <sup>2</sup>	914.26
4.14.2	Wooden form work For <b>Super structure</b> column ,Floor beam & slab.	m <sup>2</sup>	946.76
4.14.3	18mm thick Fair Faced Form work (high quality plywood)	m <sup>2</sup>	1,442.26

Prepared by:- Mulu T.

Checked by:- Gezahegn G.

Approved by:- Hirut A.



ITEM NO	DESCRIPTION	UNIT	2018 2nd Quarter (Only Direct cost)
<b>4.15</b>	<b>STEEL REINFORCEMENT</b>		
4.16.1	Local Re-Bar Grade 75: Dia. 6mm (Sub structure)	kg	208.97
4.16.2	Local Re-Bar Grade 75: Dia. 8mm (Sub structure)	kg	204.88
4.16.3	Local Re-Bar Grade 75: Dia. 10mm (Sub structure)	kg	204.88
4.16.4	Local Re-Bar Grade 75: Dia. 12mm (Sub structure)	kg	202.13
4.16.5	Local Re-Bar Grade 75: Dia. 14mm (Sub structure)	kg	202.13
4.16.6	Local Re-Bar Grade 75: Dia. 16mm (Sub structure)	kg	202.13
4.16.7	Local Re-Bar Grade 75: Dia. 20mm (Sub structure)	kg	202.13
4.16.8	Local Re-Bar Grade 75: Dia. 24mm (Sub structure)	kg	202.13
4.16.2	Local Re-Bar Grade 75: Dia. 32mm (Sub structure)	kg	202.13
4.16.3	Local Re-Bar Grade 75: Dia. 6mm (Super structure)	kg	210.77
4.16.4	Local Re-Bar Grade 75: Dia. 8mm (Super structure)	kg	210.77
4.16.5	Local Re-Bar Grade 75: Dia. 10mm (Super structure)	kg	210.77
4.16.6	Local Re-Bar Grade 75: Dia. 12mm (Super structure)	kg	204.65
4.16.7	Local Re-Bar Grade 75: Dia. 14mm (Super structure)	kg	204.65
4.16.8	Local Re-Bar Grade 75: Dia. 16mm (Super structure)	kg	204.65
4.16.9	Local Re-Bar Grade 75: Dia. 20mm (Super structure)	kg	204.65
4.16.10	Local Re-Bar Grade 75: Dia. 24mm (Super structure)	kg	204.65
4.16.12	Local Re-Bar Grade 75: Dia. 32mm (Super structure)	kg	204.65
4.16.14	Imported Re-Bar Grade 75: Dia. 8mm (Sub structure)	kg	213.51
4.16.15	Imported Re-Bar Grade 75: Dia. 10mm (Sub structure)	kg	213.51
4.16.16	Imported Re-Bar Grade 75: Dia. 12mm (Sub structure)	kg	206.67
4.16.17	Imported Re-Bar Grade 75: Dia. 14mm (Sub structure)	kg	206.67
4.16.18	Imported Re-Bar Grade 75: Dia. 16mm (Sub structure)	kg	206.67
4.16.19	Imported Re-Bar Grade 75: Dia. 20mm (Sub structure)	kg	206.67
4.16.20	Imported Re-Bar Grade 75: Dia. 24mm (Sub structure)	kg	206.67
4.16.22	Imported Re-Bar Grade 75: Dia. 32mm (Sub structure)	kg	206.67
4.16.24	Imported Re-Bar Grade 75: Dia. 8mm (Super structure)	kg	220.38
4.16.25	Imported Re-Bar Grade 75: Dia. 10mm (Super structure)	kg	220.38
4.16.26	Imported Re-Bar Grade 75: Dia. 12mm (Super structure)	kg	209.19
4.16.27	Imported Re-Bar Grade 75: Dia. 14mm (Super structure)	kg	209.19
4.16.28	Imported Re-Bar Grade 75: Dia. 16mm (Super structure)	kg	209.19
4.16.29	Imported Re-Bar Grade 75: Dia. 20mm (Super structure)	kg	209.19
4.16.30	Imported Re-Bar Grade 75: Dia. 24mm (Super structure)	kg	209.19
4.16.32	Imported Re-Bar Grade 75: Dia. 32mm (Super structure)	kg	209.19
<b>5</b>	<b>Masonry &amp; block work</b>		
5.10	40cm. thick masonry foundation (A.G.L) Cement Mortar 1:3.	m <sup>3</sup>	5,964.68
5.20	50cm. thick masonry foundation (A.G.L) Cement Mortar 1:3.	m <sup>3</sup>	5,872.23
5.30	60cm. thick masonry foundation (B.G.L) Cement Mortar 1:3.	m <sup>3</sup>	5,803.48
5.40	40cm. thick One Side Roughly Dressed Stone masonry (A.G.L) Cement Mortar 1:3.	m <sup>3</sup>	6,514.12
5.50	50cm. thick One Side Roughly Dressed Stone masonry (A.G.L) Cement Mortar 1:3.	m <sup>3</sup>	6,402.60
5.60	60cm. thick One Side Roughly Dressed Stone masonry (A.G.L) Cement Mortar 1:3.	m <sup>3</sup>	6,321.89
5.70	50cm. thick masonry foundation (B.G.L) Cement Mortar 1:3.	m <sup>3</sup>	5,732.94
5.80	40cm. thick masonry foundation (B.G.L) Cement Mortar 1:3.	m <sup>3</sup>	6,034.63
5.90	400mm thick Finely dressed elevation wall Cement Mortar 1:3.	m <sup>2</sup>	2,769.30
5.10	500mm thick Finely dressed elevation wall Cement Mortar 1:3.	m <sup>2</sup>	3,724.54
5.13	10 cm. thick class-c HCB Wall Both Sides Left For Plastering.	m <sup>2</sup>	808.68
5.14	10 cm. thick class-c Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	899.98
5.15	15 cm. thick class-c HCB Wall Both Sides Left For Plastering.	m <sup>2</sup>	991.14
5.16	15 cm. thick class-c Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,052.40
5.17	20 cm. thick class-c HCB Wall Both Sides Left For Pointing	m <sup>2</sup>	1,151.53
5.18	20 cm. thick class-c Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,246.66
5.19	10 cm. thick class-b HCB Wall Both Sides Left For Plastering.	m <sup>2</sup>	917.44
5.20	10 cm. thick class-b Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,038.10
5.21	15 cm. thick class-b HCB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,114.09

Prepared by:- Mulu T.

Checked by:- Gezahegn G.

Approved by:- Hirut A.



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ITEM NO	DESCRIPTION	UNIT	2018 2nd Quarter (Only Direct cost)
5.22	15 cm. thick class-b Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,350.82
5.23	20 cm.thick class-b HCB Wall Both Sides Left For Pointing	m <sup>2</sup>	1,486.38
5.24	20 cm. thick class-b Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,745.35
5.25	10 cm. thick class-a HCB Wall Both Sides Left For Plastering	m <sup>2</sup>	1,148.06
5.26	10 cm. thick class-a Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,380.09
5.27	15 cm. thick class-a HCB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,442.52
5.28	15 cm. thick class-a Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	1,762.82
5.29	20 cm.thick class-a HCB Wall Both Sides Left For Pointing	m <sup>2</sup>	1,540.96
5.30	20 cm. thick class-a Solid CB Wall Both Sides Left For Plastering.	m <sup>2</sup>	2,172.72
5.31	40 cm.thick Dressed Stone Masonry Wall one Side well dressed & the other plastered	m <sup>2</sup>	4,782.50
5.32	250mm .thick Double Brick Wall	m <sup>2</sup>	4,076.87
5.33	120mm .thick Single Brick Wall	m <sup>2</sup>	2,139.70
5.35	Chika wall with all wood work /አገጠው በጭ ግድግዳ/	m <sup>2</sup>	1,135.33
5.36	Eucalyptus wood wall with all wood work /አገጠው ግድግዳ/	m <sup>2</sup>	779.05
5.37	2.5cm thick Timber wall with 10cm & 6cm dia. Eucalyptus and all wood work/ሳገታ ባጠው ግድግዳ/	m <sup>2</sup>	1,260.55
5.38	G32 CIS with Eucalyptus /ለእጥር የሚገኝ ቆርቆር እገጠው ግድግዳ/	m <sup>2</sup>	1,230.97
5.39	8mm thick Chipwood wall with Eucalyptus dia.10cm and 5x7cm shashemene batten.	m <sup>2</sup>	1,154.66
5.40	18mm thick Laminated MDF Wall with 5x7cm Shashemene batten wood work and all necessary work.	m <sup>2</sup>	2,180.29
5.41	Only 18mm thick Laminated MDF Wall.	m <sup>2</sup>	1,713.24
5.42	30x30x2mm RHS wall with 4mm clear glass.	m <sup>2</sup>	3,049.11
5.43	20x20mm and 1.5mm thick Wire mesh wall Welded on the frame	m <sup>2</sup>	1,074.72
5.44	Barbed wire fence with 40x40x3mm Angle Iron Frame	m <sup>2</sup>	910.73
5.45	Supply & lay class A galvanized 800*1000*2.5cm hexagonal Mesh rock size 100- 250 for 1m <sup>3</sup> as directed by the engineer. (Gabion box 1mx1mx1m) (ጋቢዮን በእጅ የሚሰራ)	m <sup>3</sup>	6,709.64
5.46	Supply & lay class A galvanized 800*1000*2.5cm hexagonal Mesh rock size 100- 250 for 2m <sup>3</sup> as directed by the engineer. (Gabion box 2mx1mx1m) (ጋቢዮን በእጅ የሚሰራ)	m <sup>3</sup>	5,083.94
5.47	Supply & lay class A galvanized 800*1000*2.5cm hexagonal Mesh rock size 100- 250 for 1m <sup>3</sup> as directed by the engineer. (Gabion box 1mx1mx1m) (ጋቢዮን በሚክን የሚሰራ)	m <sup>3</sup>	6,973.99
5.48	Supply & lay class A galvanized 800*1000*2.5cm hexagonal Mesh rock size 100- 250 for 2m <sup>3</sup> as directed by the engineer. (Gabion box 2mx1mx1m) (ጋቢዮን በሚክን የሚሰራ)	m <sup>3</sup>	5,392.05



Prepared by:- Mulu T.

Checked by:- Gezahegn G.

Approved by:- Hirut A.



6	Roof work	unit	2018 2nd Quarter (Only Direct cost)
6.3.1	G- 28 of devt. Length 33 cm	ml	620.83
6.3.2	G- 30 of devt. Length 33 cm	ml	610.98
6.3.3	G- 28 of devt. Length 40 cm	ml	763.92
6.3.4	G- 30 of devt. Length 40 cm	ml	620.93
6.3.5	G- 28 of devt. Length 50 cm	ml	607.47
6.3.6	G- 30 of devt. Length 50 cm	ml	673.77
6.4	<b>PVC down pipe PN 4</b>		
6.4.1	PVC down pipe Dia.75mm	ml	431.20
6.4.2	PVC down pipe Dia.110mm	ml	528.89
6.4.3	PVC down pipe Dia.160mm	ml	831.94
6.6	<b>Galvanized steel flashing</b>		
6.6.1	G-30 deve.length 50cm	ml	898.42
6.6.2	G-30 deve.length 67cm	ml	920.49
6.6.3	G-30 deve.length 100cm	ml	1,189.51
6.6.4	G-28 deve.length 50cm	ml	1,005.80
6.6.5	G-28 deve.length 67cm	ml	1,106.24
6.6.6	G-28 deve.length 100cm	ml	1,375.41
6.7	<b>Galvanized steel copping</b>		
6.7.1	G-28 deve.length 25cm	ml	521.49
6.7.2	G-30 deve.length 25cm	ml	579.06
6.7.3	G-28 deve.length 33cm	ml	681.27
6.7.4	G-30 deve.length 33cm	ml	503.22
6.7.5	G-28 deve.length 50cm	ml	586.19
6.7.6	G-30 deve.length 50cm	ml	687.47
6.8	<b>Galvanized steel roof ridge</b>		
6.8.1	G-28 deve.length 33cm	ml	570.93
6.8.2	G-30 deve.length 33cm	ml	530.61
6.8.3	G-28 deve.length 50cm	ml	748.21
6.8.4	G-30 deve.length 50cm	ml	686.37
6.9	<b>CIS Roofing</b>		
6.9.1	G28 C15 Roofing ( Without Truss & Purlin )	m <sup>2</sup>	1,249.17
6.9.2	G30 C15 Roofing ( Without Truss & Purlin )	m <sup>2</sup>	1,073.49
6.9.3	G32 C15 Roofing ( Without Truss & Purlin )	m <sup>2</sup>	868.09
6.9.4	G35 C15 Roofing ( Without Truss & Purlin )	m <sup>2</sup>	635.65
6.9.5	Aspesto roof cover with all necessary works.	m <sup>2</sup>	623.11
6.9.6	Euro tile roof cover with all necessary works.	m <sup>2</sup>	683.40
6.9.7	Grass roof cover with all necessary works.	m <sup>2</sup>	742.35
6.9.8	2mm thick Transparent fiber Roof cover (Corrugated Type)	m <sup>2</sup>	963.51
6.9.10	G-32 CIS roof with Shashemene Zigba purline (4x5cm)	m <sup>2</sup>	1,137.34
6.9.11	Tsld Timber cladding 1cm for decorating roof purlin ለግፍ ግዳላ ፕላን ገጽ 3፣፣፣	m <sup>2</sup>	1,122.20
6.9.12	Light Weight Concrete 1:2:5 for roof	m <sup>3</sup>	9,618.34



prepared by :- Tedi M.

Checked by :- Gezahegn G.

Approved by :- Hirut A.

7	CARPENTRY AND JOINERY	unit	2018 2nd Quarter (only Direct cost)
<b>Ceiling</b>			
7.1	Abujedy ceiling with 5x4cm Shashemene batten	m <sup>2</sup>	777.43
7.2	Fyzi ceiling 5x4cm Shashemene batten	m <sup>2</sup>	1,273.35
7.3	Parquet ceiling 5x4cm Shashemene batten	m <sup>2</sup>	3,035.31
7.4	1cm thick Timber ceiling /ገጠጥ ክርሊ/ with 5x4cm Shashemene batten	m <sup>2</sup>	1,373.00
7.5	Purline ceiling 5x4cm Shashemene batten	m <sup>2</sup>	1,144.20
7.6	Playwood ceiling /Compensato/ 5x4cm Shashemene batten	m <sup>2</sup>	1,694.10
7.7	Rush ceiling /ገጠጥ ክርሊ/ Compensato 5x4cm Shashemene batten	m <sup>2</sup>	818.60
7.8	Ceiling made with plastic sack/ግጥራ ጥርሊ/ 5x4cm Shashemene batten	m <sup>2</sup>	745.08
7.9	Ceiling made with sack /ግጥራ/ 5x4cm Shashemene batten	m <sup>2</sup>	571.08
7.10	8mm. thick chipwood Ceiling with 5x4cm Shashemene batten	m <sup>2</sup>	1,982.29
7.11	Armstrong acoustical ceiling With Suspender and all accessories	m <sup>2</sup>	2,205.00
7.12	Mineral fiber acoustic ceiling With all accessories	m <sup>2</sup>	2,739.13
7.13	supply & fix local gypsum ceiling with out batten	m <sup>2</sup>	898.21
7.14	PVC ceiling (laminated/imported) with 5x4cm Shashemene batten & corner list	m <sup>2</sup>	1,710.69
7.17	25 cm. Wide Kerra Facia Board	ml	864.89
7.18	30 cm. Wide Kerra Facia Board	ml	934.19
<b>Wooden truss &amp; purlin</b>			
7.19	10-12 cm. dia. Vertical Chords Eucalyptus Wood.	ml	184.65
7.20	6-10 cm. dia. Vertical & Diagonal member Eucalyptus Wood	ml	175.32
7.21	Diam. 6 cm thick eucalyptus purlin	ml	108.89
7.22	50 X 70mm. Tid (Shashemene) Roof Purlin	ml	257.53
<b>Doors</b>			
7.22	supply & fix 40mm thick Mahogany plywood smooth finish flush wooden door /ጥቅጥ ቦር / with all necessary accessories.	m <sup>2</sup>	9,910.00
7.24	supply & fix 40mm thick Smooth MDF board made imported wooden door (best quality) with all necessary accessories.	m <sup>2</sup>	12,195.00
7.25	supply & fix 40mm thick Antique MDF board wooden door with all necessary accessories.	m <sup>2</sup>	10,230.00
7.26	supply & fix 40mm thick Solid wooden door (best quality standard) with all necessary accessories.	m <sup>2</sup>	17,984.00
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 accessories works and materials to fulfil the job.	m <sup>2</sup>	6,922.00
7.28	1cm thick timber door with 5cm wide fascia board /ጠጥ ጥርሊ ገጠጥ ቦር ከጠጥ ጋር ጠስታዎት የለው/	m <sup>2</sup>	2,473.12
7.29	3cm thick timber door /ጥርሊ ገጠጥ ቦር ጠስታዎት የለው/	m <sup>2</sup>	2,610.62
7.30	1cm thick timber window /ጠጥ ጥርሊ ገጠጥ ጠስት ከጠጥ ጋር ጠስታዎት የለው/	m <sup>2</sup>	1,610.10
7.31	3cm thick timber window /ጥርሊ ገጠጥ ጠስት ጠስታዎት የለው/	m <sup>2</sup>	1,747.60
7.32	3cm thick timber window with 4mm thick glass /ጥርሊ ገጠጥ ጠስት ጠስታዎት የለው/	m <sup>2</sup>	3,954.47
7.33	G-32 CIS door with all wood work /ጥርሊ ቦር ከጠጥ ጋር/	m <sup>2</sup>	1,235.00
7.34	G-32 CIS window with all wood work /ጥርሊ ጠስት ከጠጥ ጋር/	m <sup>2</sup>	1,235.00
7.35	1cm Timber /Tsid/ door /ጥርሊ ቦር/	m <sup>2</sup>	1,532.97
7.36	1cm Timber /Tsid/ window /ጥርሊ ጠስት/	m <sup>2</sup>	1,619.97
8.1	Fully metal doors of 38mm LTZ without grill (1.5mm thick)	m <sup>2</sup>	4,951.38
8.2	Partially glazed metal doors of 38LTZ without grill	m <sup>2</sup>	4,755.37
8.3	Partially glazed metal doors of 38mm LTZ with grill (1.5mm thick)	m <sup>2</sup>	5,031.42
8.4	Metal Windows of 38LTZ without grill (1.5mm thick)	m <sup>2</sup>	3,996.56
8.5	Metal Windows of 38LTZ (1.5mm thick) with grill	m <sup>2</sup>	5,645.16
8.6	Double leaf metal doors of 38mmLTZ without grill (1.5mm thick)	m <sup>2</sup>	4,637.52
8.7	Double leaf metal doors of 38mmLTZ with grill (1.5mm thick)	m <sup>2</sup>	5,196.81
8.8	Fully metal doors of 28mm LTZ without grill (1.2mm thick)	m <sup>2</sup>	4,575.75
8.9	Partially glazed metal doors of 28mm LTZ without grill (1.2mm thick)	m <sup>2</sup>	3,904.21
8.10	Partially glazed metal doors of 28mm LTZ with grill (1.2mm thick)	m <sup>2</sup>	4,343.46
8.11	Metal Windows of 28LTZ without grill (1.2mm thick)	m <sup>2</sup>	3,141.49
8.12	Metal Windows of 28LTZ with grill (1.2mm thick)	m <sup>2</sup>	3,785.61
8.13	Double leaf metal doors of 28mmLTZ without grill (1.2mm thick)	m <sup>2</sup>	3,783.29
8.14	Double leaf metal doors of 28mmLTZ with grill (1.2mm thick)	m <sup>2</sup>	4,334.64
8.16	Sliding door & window Price shall include Angle Iron 40X40X3mm Bottom rail & RHS 60X60X2.5mm Top rail	m <sup>2</sup>	3,626.68
8.17	Sheet metal partition wall (1mm thick Lamera) with RHS 30x30x2.5	m <sup>2</sup>	3,478.45

prepared by:- Tedi M.

checked by:- Gezahegn G.

Approved by:- Hirut A.

8	METAL WORK	unit	2018 2nd Quarter (only Direct cost)
8.18	Only 1mm thick Sheet metal (Lamera) partition wall	m <sup>2</sup>	1,909.82
8.19	Supply and fix Different size and thickness Sheet metal (Lamera)	kg	182.39
8.20	supply & fix 6mm thick metal plate with all necessary accessories.	m <sup>2</sup>	8,245.00
8.21	supply & fix 8mm thick metal plate with all necessary accessories.	m <sup>2</sup>	10,990.00
8.22	supply & fix 10mm thick metal plate with all necessary accessories.	m <sup>2</sup>	13,737.50
<b>Almunium Work</b>			
8.23	Supply & fix 1.6mm thick Aluminium frame window with 6mm thick clear glazed with all necessary accessories	m <sup>2</sup>	13,700.00
8.24	Supply & fix 1.6mm thick Aluminium frame window with 6mm thick double clear glazed with all necessary accessories	m <sup>2</sup>	16,500.00
8.25	supply & fix 1.6mm thick Aluminium framed window with 6mm thick clear glazed with all necessary accessories	m <sup>2</sup>	14,106.00
8.26	supply & fix 1.6mm thick Aluminium frame window with 8mm thick double clear glazed with all necessary accessories	m <sup>2</sup>	19,500.00
8.27	supply & fix Aluminium sun breaker with all necessary accessories	m <sup>2</sup>	6,364.00
8.28	supply & fix 1.6mm thick Aluminium Curtain wall 6mm thick clear glass with all necessary accessories (External)	m <sup>2</sup>	15,442.00
8.29	supply & fix 1.6mm thick Aluminium Curtain wall 8mm thick clear glass with all necessary accessories (External)	m <sup>2</sup>	16,333.00
8.30	supply & fix 1.6mm Aluminium partition wall with 6mm thick frosted clear glass with all necessary accessories	m <sup>2</sup>	12,939.00
8.31	supply & fix 1.4mm Aluminium partition wall with 6mm thick frosted clear glass with all necessary accessories.	m <sup>2</sup>	11,878.00
8.32	supply & fix 2mm Aluminium partition wall with 6mm thick frosted clear glass with all necessary accessories.	m <sup>2</sup>	13,893.00
8.33	supply & fix 1.6mm thick Aluminium frame door with 6mm thick clear glass with all necessary accessories.	m <sup>2</sup>	14,000.00
8.34	supply & fix 1.6mm thick Aluminium frame door with 4mm thick clear glass with all necessary accessories.	m <sup>2</sup>	13,363.00
8.35	supply & fix 1.6mm thick Aluminium frame window with 4mm thick clear glass with all necessary accessories.	m <sup>2</sup>	12,500.00
8.36	supply & fix 1.6mm thick Aluminium frame door with 5mm thick clear glass with all necessary accessories.	m <sup>2</sup>	13,151.00
8.37	supply & fix 1.6mm thick Aluminium frame window with 5mm thick clear glass with all necessary accessories.	m <sup>2</sup>	13,000.00
8.38	supply & fix 2mm thick Aluminium frame door with 8mm thick clear glass with all necessary accessories.	m <sup>2</sup>	14,800.00
8.39	supply and fix 2mm thick aluminum profile window with 6mm thick tinted glass with all necessary accessories.	m <sup>2</sup>	14,300.00
8.40	supply and fix 2mm thick aluminum profile Door with 6mm thick tinted glass with all necessary accessories.	m <sup>2</sup>	14,500.00
8.41	supply and fix anodized aluminum framed sky light according to the drawing. Price shall include 6mm thick VITS glass and aluminum rectangular section 60*40with spacing 600*800 over RHS appropriate rubber gasket according to manufacturers instruction. Detailed work shop drawing shall be presented by the contractor for approval by the designer before production.	m <sup>2</sup>	19,828.00
8.42	Supply & fix 1.6mm thick Aluminium window Frames with all necessary accessories (Only Frame works).	m <sup>2</sup>	10,116.20
8.43	Supply & fix 1.6mm thick Aluminium Door Frames with all necessary accessories (Only Frame works).	m <sup>2</sup>	10,416.20
8.44	Supply & fix 2mm thick Aluminium window Frames with all necessary accessories (Only Frame works).	m <sup>2</sup>	10,546.20
8.45	Supply & fix 2mm thick Aluminium Door Frames with all necessary accessories (Only Frame works).	m <sup>2</sup>	10,746.20
<b>STEEL STRUCTURE WORK</b>			
8.46	Supply and fix different size and thickness Steel Roof Truss & Purlin With RHS. price shall include three coat antirust and the necessary works and materials to full fill the job.	kg	245.90
8.47	Supply and fix different size and thickness Metal hand rail made of RHS, CHS and SHS . price shall include three coat antirust and the necessary works and materials to full fill the job.	kg	230.92
8.48	Supply and fix different size and thickness Stainless steel hand rail made of RHS, CHS and SHS . price shall include all the necessary works and materials to full fill the job.	kg	1,250.00
8.49	Supply & fix metal angle iron 30*30*3mm with all necessary accessories.	ml	283.00
8.50	Supply & fix metal angle iron 40*40*3mm with all necessary accessories.	ml	354.31
8.51	dia. 16 mm. deformed bars dev. Length 400mm (J-bolt)	Pcs	184.10
8.52	dia. 12 mm. deformed bars dev. Length 100mm(J-bolt)	Pcs	17.18
8.53	dia. 14 mm. deformed bars dev. Length 160mm(J-bolt)	Pcs	55.53
8.54	dia. 20 mm. Anchor bolt dev. Length 400mm	Pcs	345.23
8.53	supply fix Galvanized Middle vertical post, RHS 60*60*3mm,L=6000mm	kg	322.00
8.54	supply fix Galvanized Horizontal girts, RHS 80*40*3mm,L=6000mm	kg	322.00
8.55	supply & fix Galvanized Connector plates to ground and top 150*100*6mm	kg	350.00
8.56	supply & fix Galvanized Connector Angles to side columns 40*40*100*4mm	kg	367.00
8.57	supply & fix Galvanized Expandable bolts M10*100mm	pcs	135.00
8.58	supply & fix Galvanized self-tapping screw, M6*30mm	pcs	10.00

prepared by:- Tedi M.

checked by:- Gezahegn G.

Approved by:- Hirut A.

9	FINISHING WORKS	Unit	2018, 2nd Quarter Direct Cost Only
<b>9.1</b>	<b>PLASTERING</b>		
9.1.2	3 Coats of cement plastering ( 1:3 ) (To internal wall)	m <sup>2</sup>	643.57
9.1.3	3 Coats of cement plastering ( 1:3 ) (To external wall)	m <sup>2</sup>	653.17
9.1.4	3 Coats of cement plastering to exposed beams and columns.	m <sup>2</sup>	697.20
9.1.5	3 Coats of cement plastering to Slab soffit beams soffit	m <sup>2</sup>	801.03
9.1.6	2 Coats of cement plastering internal vertical surface.	m <sup>2</sup>	501.83
9.1.7	2 Coats of cement plastering External vertical surface.	m <sup>2</sup>	501.83
9.1.8	Cement wash vertical surface.	m <sup>2</sup>	219.32
9.1.9	2 Coats of cement plastering Exposed column and beam	m <sup>2</sup>	503.43
9.1.10	2 Coats of cement plastering concrete soffit	m <sup>2</sup>	631.00
9.1.11	Final Coat of cement Rendering .	m <sup>2</sup>	147.09
9.1.12	Final Coat of cement plastering vertical and exposed column and beam	m <sup>2</sup>	147.84
9.1.13	Final Coat of cement plastering concrete soffit	m <sup>2</sup>	205.33
9.1.14	Final Coat of Gypsum plastering Soffit	m <sup>2</sup>	220.55
9.1.15	Final Coat of Gypsum plastering Vertical wall and Exposed column and beam	m <sup>2</sup>	180.75
9.1.16	Final Coat of Gypsum plastering external Vertical wall and Exposed column and beam	m <sup>2</sup>	163.06
9.1.17	Supply and apply high quality primer (lime gypsum) plastering which can be applied to HCB wall and concrete soffit Surface to Give More smooth surface adhesion and apply final finish of gypsum Plaster, liquid chemical as aprimer and apply final finish of gypsum Plaster on the Primer. Price shall include chemical, quality Gypsum primer paste, also any Preparation Work and all necessary works fill full the Job.	m <sup>2</sup>	658.62
<b>9.2</b>	<b>POINTING</b>		
9.2.1	Cement pointing to H.C.B.wall surface (1:3).	m <sup>2</sup>	175.06
9.2.2	Cement pointing to Brick.wall surface (1:3).	m <sup>2</sup>	281.53
9.2.3	Cement pointing to stonemasonry.wall surface (1:3).	m <sup>2</sup>	305.98
<b>9.3</b>	<b>FLOORING</b>		
9.3.1	2mm. thick PVC flooring. with Adhesive glue	m <sup>2</sup>	1,215.19
9.3.2	10cmx10cmx10cm Coble Stone	m <sup>2</sup>	2,050.21
9.3.3	3cm. Thick cement screed flooring	m <sup>2</sup>	537.34
9.3.4	5cm. Thick cement screed flooring	m <sup>2</sup>	755.59
9.3.5	10 mm thick Ceramic floor tile with Adhesive powder (Local)	m <sup>2</sup>	1,901.43
9.3.6	8mm thick Ceramic floor tile with Adhesive powder (Local)	m <sup>2</sup>	1,753.53
9.3.7	8mm thick Porcelain floor tile with adhesive powder	m <sup>2</sup>	3,446.27
9.3.9	9mm thick Porcelain floor tile with adhesive powder	m <sup>2</sup>	3,554.21
9.3.10	10mm thick Porcelain floor tile adhesive powder	m <sup>2</sup>	3,591.99
9.3.11	supply and apply 2mm thick Epoxy resins floor topping with one coat primer coating.	m <sup>2</sup>	2,885.31
9.3.12	supply and apply 3mm thick Epoxy resins floor topping with one coat primer coating.	m <sup>2</sup>	3,083.29
9.3.13	Terrazzo tile flooring size 40cm x 40cmx40mm thick for pedestrian with cement mortar bedding (1:3)	m <sup>2</sup>	1,520.34
9.3.14	30mm thick Terrazzo tile flooring /ለ ሲት ወስጥ ወለል ንጥፍ እንደ ልግሎት ብቻ/ (1:3) (Local)	m <sup>2</sup>	1,380.65
9.3.15	20mm thick high quality polished Terrazzo tile flooring /ለ ሲት ወስጥ ወለል ንጥፍ እንደ ልግሎት ብቻ/ (1:3) (Local)	m <sup>2</sup>	1,698.57
9.3.16	2cm thick Granite flooring (1:3)(Local).	m <sup>2</sup>	6,888.59
9.3.17	3cm thick Granite flooring (1:3).(Local)	m <sup>2</sup>	7,183.78
9.3.18	2cm thick Marble flooring (1:3).(Local)	m <sup>2</sup>	6,095.59
9.3.19	3cm thick Marble flooring (1:3)(Local).	m <sup>2</sup>	6,496.09
9.3.20	Parquet ( Tid ) Flooring	m <sup>2</sup>	2,855.77



<b>9.4</b>	<b>WALL TILE CLADING</b>		
9.4.1	6mm thick Ceramic wall tiles with adhesive powder (Local)	m <sup>2</sup>	1,882.19
9.4.1	8mm thick Ceramic wall tiles with adhesive powder (Local)	m <sup>2</sup>	2,100.01
9.4.2	Supply and fix lay ceramic standard quality mosaic to external wall . Price includes adhesive powder bedding & white cement grouting.	m <sup>2</sup>	8,922.26
9.4.3	20mm thick Marble wall Cladding (Cement mortar ratio1:2).(Local)	m <sup>2</sup>	7,790.65
9.4.4	20mm thick Granite wall Cladding (Cement mortar ratio1:2).(Local)	m <sup>2</sup>	8,957.39
9.4.5	2mm PVC wall tile type cladding by Animal glue	m <sup>2</sup>	1,017.32
9.4.6	Aluminium cladding 4mm thick (Silver) with Addesive (without Frame)	m <sup>2</sup>	3,634.81
9.4.7	Aluminium cladding 4mm thick (golden) with Addesive (without Frame)	m <sup>2</sup>	4,144.81
9.4.8	Ambo stone cladding	m <sup>2</sup>	2,100.13
<b>9.5</b>	<b>WINDOW SILL(Local)</b>		
9.5.1	30mm. Thick & 220mm width Marble window sill (1:3) on HCB.	ml	1,836.43
9.5.2	30mm. Thick & 280mm width Marble window sill (1:3) on HCB.	ml	2,172.43
9.5.3	30mm. Thick & 300mm width Marble window sill (1:3) on HCB.	ml	2,340.43
9.5.4	30mm. Thick & 470mm width Marble window sill (1:3) on HCB.	ml	3,292.43
9.5.5	30mm. Thick & 520mm width Marble window sill (1:3) on HCB.	ml	3,404.43
<b>9.6</b>	<b>THREAD</b>		
<b>9.6.1</b>	<b>MARBLE THREAD (Local)</b>		
9.6.1.1	280mm wide & 30mm. thick marble threads (1:3)	ml	2,259.11
9.6.1.2	300mm wide & 30mm. thick marble threads.(1:3)	ml	2,373.35
9.6.1.3	330mm wide & 30mm. thick marble threads.(1:3)	ml	2,544.71
9.6.1.4	280mm wide & 20mm. thick marble threads.(1:3)	ml	2,116.31
9.6.1.5	300mm wide & 20mm. thick marble threads.(1:3)	ml	2,221.17
9.6.1.6	330mm wide & 20mm. thick marble threads.(1:3)	ml	2,377.23
9.6.2	<b>GRANITE THREAD (Local)</b>		
9.6.2.1	280mm.wide & 30mm thick Granite Treads ,(1:3)	ml	2,319.52
9.6.2.2	300mm.wide & 30mm thick Granite Treads ,(1:3)	ml	2,457.02
9.6.2.3	330mm.wide & 30mm thick Granite Tread ,(1:3)	ml	2,663.27
9.6.2.4	280mm.wide & 20mm. thick Granite Tread ,(1:3)	ml	2,240.98
9.6.2.5	300mm.wide & 20mm. thick Granite Tread ,(1:3)	ml	2,372.87
9.6.2.6	330mm.wide & 20mm. thick Granite Tread ,(1:3)	ml	2,570.71
<b>9.6.3</b>	<b>TERRAZZO THREAD(Local)</b>		
9.6.3.1	280mm.wide & 30mm. thick Terrazo threads.(1:3)	ml	538.57
9.6.3.2	300mm.wide & 30mm. thick Terrazo threads.(1:3)	ml	547.53
9.6.3.3	340mm.wide & 30mm. thick Terrazo threads.(1:3)	ml	561.39
9.6.3.4	280mm.wide & 20mm. thick Terrazo threads.(1:3)	ml	609.25
9.6.3.5	300mm.wide & 20mm. thick Terrazo threads.(1:3)	ml	623.44
9.6.3.6	330mm.wide & 20mm. thick Terrazo threads.(1:3)	ml	644.73
<b>9.7</b>	<b>RISER</b>		
<b>9.7.1</b>	<b>MARBLE RISER (Local)</b>		
9.7.1.1	130mm wide & 20mm. thick marble riser. (1:3).	ml	935.98
9.7.1.2	150mm wide & 20mm. thick marble riser. (1:3).	ml	1,043.08
<b>9.7.2</b>	<b>GRANITE RISER (Local)</b>		
9.7.2.1	130mm wide & 20mm. thick Granite riser ,(1:3)	ml	1,290.77
9.7.2.2	150mm wide & 20mm. thick Granite riser ,(1:3)	ml	1,428.66
<b>9.7.3</b>	<b>TERRAZZO RISER (Local)</b>		
9.7.3.1	130mm wide & 30mm. Thick Terrazo riser. (1:3).	ml	300.70
9.7.3.2	130mm wide & 20mm. Thick Terrazo riser. (1:3).	ml	337.22
9.7.3.3	150mm wide & 20mm. Thick Terrazo riser. (1:3).	ml	359.83



Prepared by :- Betelhem A. *Betelhem*

Checked by :- Gezahegn G. *Gezahegn*

Approved by:-Hirut A. *Hirut*

<b>9.8</b>	<b>Threshold (Local)</b>		
<b>9.8.1</b>	<b>Marble threshold</b>		
9.8.1.1	20mm. Thick & 200mm wide Marble threshold.(1:3)	ml	1,332.55
9.8.1.2	20mm. thick & 250mm wide Marble threshold.(1:3)	ml	1,663.87
<b>9.8.2</b>	<b>Granite threshold</b>		
9.8.2.1	20mm. thick & 200mm wide Granite threshold.(1:3)	ml	1,600.52
9.8.2.2	20mm. thick & 250mm wide Granite threshold.(1:3)	ml	1,892.10
<b>9.8.3</b>	<b>Terrazzo threshold</b>		
9.8.3.1	20mm. thick & 200mm w.Terrazzo threshold. (1:3).	ml	407.64
9.8.3.2	20mm. thick & 250mm w. terrazzo threshold.(1:3)	ml	540.76
<b>9.9</b>	<b>Skirting(Local)</b>		
9.9.1	10cm. high PVC skirting 2mm thick	ml	156.86
9.9.2	20mm. thick terrazo skirting.(Local)	ml	184.64
9.9.3	10cm high 10mm thick Porcelain skirting	ml	483.75
9.9.4	100mm. high wooden skirting. (Local wood)	ml	997.40
9.9.5	10cm high 2cm thick granite skirting (Local)	ml	819.16
9.9.6	20mm Thick, 10cm high Marble skirting (Local)	ml	749.85
<b>9.10</b>	<b>Copping(Local)</b>		
	<b>Marble copping</b>		
9.10.1	300mm wide & 30mm. thick marble copping.(1:3)	ml	2,124.17
9.10.2	450mm wide & 30mm. thick marble copping.(1:3)	ml	2,980.97
9.10.3	300mm wide & 20mm. thick marble copping.(1:3)	ml	1,971.17
9.10.4	450mm wide & 20mm. thick marble copping.(1:3)	ml	2,751.47
<b>9.11</b>	<b>Terrazzo copping</b>		
9.11.1	300mm wide & 30mm. thick terrazzo copping.(1:3)	ml	553.69
9.11.2	450mm wide & 30mm. thick terrazzo copping.(1:3)	ml	625.43
9.11.3	300mm wide & 20mm. thick terrazzo copping.(1:3)	ml	629.34
9.11.4	450mm wide & 20mm. thick terrazzo copping.(1:3)	ml	738.90



	<b>Ceramic flooring With Cement sand mortar(Local)</b>		
9.11.5	10mm thick Ceramic floor with cement sand mortar (Local)	m <sup>2</sup>	1,885.55
9.11.6	9mm thick Ceramic floor tile with cement sand mortar (Local)	m <sup>2</sup>	1,773.35
9.11.7	8mm thick Ceramic floor tile with cement sand mortar (Local)	m <sup>2</sup>	1,723.42
	<b>Ceramic flooring With Cement sand mortar (Imported high quality)</b>		
9.11.8	10mm thick Ceramic floor with cement sand mortar (1:3)	m <sup>2</sup>	3,352.52
9.11.9	10 mm thick Ceramic floor tile with Adhesive powder	m <sup>2</sup>	3,378.82
9.11.10	9mm thick Ceramic floor with cement sand mortar (1:3)	m <sup>2</sup>	2,946.55
9.11.11	8mm thick Ceramic floor with cement sand mortar (1:3)	m <sup>2</sup>	2,903.05
	<b>Porceling flooring with cement sand mortar</b>		
9.11.10	8mm thick Porcelain floor tile with cement sand mortar (1:3)	m <sup>2</sup>	3,254.52
9.11.11	9mm thick Porcelain floor tile with cement sand mortar (1:3)	m <sup>2</sup>	3,369.90
9.11.12	10mm thick Porcelain floor tile with cement sand mortar (1:3)	m <sup>2</sup>	3,415.55
	<b>SPC floor</b>		
9.11.13	SPC floor with foam	m <sup>2</sup>	1,850.00
9.11.14	SPC Skirting	ml	375.00
	<b>Flamed Granite(Local)</b>		
9.11.15	Flamed Granite floor tile with cement sand mortar (1:3) (Local)	m <sup>2</sup>	9,678.04
9.11.16	Flamed Granite floor tile with cement sand mortar (1:3) (imported)	m <sup>2</sup>	10,225.14
	<b>IMPORTED GRANITE FLOOR TILE</b>		
9.11.17	Imported 2cm thick high quality Black Galaxy Granite with (1:3)	m <sup>2</sup>	16,388.49
9.11.18	Imported 2cm thick high quality Granite (grey colour) with (1:3)	m <sup>2</sup>	13,388.39
9.11.19	Imported 3cm thick high quality Granite (grey colour) with (1:3)	m <sup>2</sup>	14,574.39
9.11.20	Imported 2cm thick high quality Granite (Black colour) with (1:3)	m <sup>2</sup>	14,424.39
	<b>IMPORTED GRINITE FOR KITCHEN CABNET</b>		
9.11.18	2cm thick high quality standared Black Galaxy Granite for kitchen cabenate with all necessary works	m <sup>2</sup>	15,652.17
	<b>PORICELINE SIZE:(120cmx60cmx1cm)</b>		
9.11.19	Porcelain floor tile with adhesive powder,( size 120cmx60cmx1cm)	m <sup>2</sup>	3,997.94
9.11.20	Porcelain floor tile with cement sand mortar (1:3) ( size 120cmx60cmx1cm)	m <sup>2</sup>	3,720.91



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
	<b>ELECTRICAL WORK</b>		
a	16A/1ph digital kilowatt meter	No.	2,645.00
b	25A/3ph digital kilowatt meter	No.	4,485.00
c	32A/3ph digital kilowatt meter	No.	4,830.00
d	63A/3ph digital kilowatt meter	No.	6,785.00
1.0	B) Surface mounted distribution board of metal enclosure 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 enclosure 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	640,578.90
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, CMDDB 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		
	1 pc surge arrester of 100KA		
	3Pcs ammeters: 0-630A		
	3Pcs current transformers: 630/5A		
	1 pc of voltmeter with selector switch (0-500V)		
	with 4P+E busbar 800A		
	1 pc factory made drawing pocket and marking tags for all outgoing, all complete with 40% reserve spaces.	set	186,596.24
	B) Surface mounted distribution board of metal enclosure 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	91,327.79
1.1.3	C) Surface mounted distribution board of metal enclosure 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		

Mamush L.  
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Gezhagn G.  
*[Signature]*

Hirut A.  
*[Signature]*



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
	2 pc MCB of 16A/1ph		-
	5 pc MCB of 25A/1ph		-
	2 pc MCB of 40A/3ph		-
	25% reserve pitches	set	76,873.44
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		-
	22 pcs MCB of 10A/1ph		-
	7 pc MCB of 16A/1ph		-
	2 pc MCB of 40A/3ph		-
	25% reserve pitches	set	59,568.76
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 digital 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	19,898.22
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	25,366.44
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	27,280.54
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	24,888.06
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		-

Mamush L.

Gezhagn G.

Hirut A.



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
	25% reserve pitches	set	27,758.92
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	32,339.80
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	30,782.20
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	24,103.24
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	117,195.48
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	46,039.86
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		-

Mamush L.

Gezhagn G.

Hirut A.



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
	2 pcs RCBO of 32A/3ph, Icu 6KA		-
	25% reserve pitches	set	45,226.42
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	50,624.26
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	82,846.52
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	83,460.09
1.1.19	X)Surface mounted distribution board of metal inclosure SDB-EV/IBF/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	132,373.48
1.1.20	Y)Surface mounted distribution board of metal inclosure SDB-EV/IBF/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	63,295.52
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	82,328.09

Mamush L.

Gezhagn G.

Hirut A.



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
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 outgoing, all complete with 40% reserve spaces.	set	251,551.80
1.1.22	B) Floor standing distribution board of metal inclosure MDB-EV/IBF 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	502,700.40
1.1.23	Semi-Flush Mounted Distribution Board (SDB-PM) Semi-Flush Mounted Distribution Board (SDB-PM) 1pcs 80A/3ph Main breaker 3pcs 40A/3ph 3pcs 32A/3ph Bus Bar System (80A rated) accessories	set	53,806.08
2.0	<b>Light point</b>		
2.1.1	Conductor (2x2.5mm <sup>2</sup> ) with 10 meter point length PVC condute 16mm Junction Box Connector	PCS	2,395.57
2.1.2	Conductor (3x2.5mm <sup>2</sup> ) with 10 meter point length PVC condute 16mm Junction Box Connector	PCS	3,018.35
2.1.3	Conductor (3x4mm <sup>2</sup> ) with 10 meter point length PVC condute 25mm Junction Box Connector	PCS	3,826.00
2.1.4	Conductor (3x4mm <sup>2</sup> ) with 10 meter point length PVC condute 50mm Junction Box Connector	PCS	4,537.30

Mamush L.

Gezhagn G.

Hirut A.

No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
3.0	<b>Cable Installation Light point</b>		
3.1.1	Power cable (3x4mm <sup>2</sup> ) with 10 meter average point length		
	PVC conduit 25mm		
	Junction Box		
	Connector	PCS	4,717.25
3.1.2	Power cable (3x6mm <sup>2</sup> ) with 10 meter average point length		
	PVC conduit 25mm		
	Junction Box		
	Connector	PCS	6,360.73
3.1.3	Power cable(5x4mm <sup>2</sup> ) with 10 meter average point length		
	PVC conduit 25mm		
	Junction Box		
	Connector	PCS	6,752.03
3.1.4	Power cable (2x2.5mm <sup>2</sup> ) with 10 meter average point length		
	PVC conduit 16mm		
	Junction Box		
	Connector	PCS	2,346.00
3.1.5	Power cable (3x2.5mm <sup>2</sup> ) with 10 meter average point length		
	PVC conduit 25mm		
	Junction Box		
	Connector	PCS	3,085.95
3.1.6	Power cable (5x2.5mm <sup>2</sup> ) with 10 meter average point length		
	PVC conduit 25mm		
	Junction Box		
	Connector	PCS	3,708.56
4.0	<b>SWITCHES</b>		
4.1.1	Normal switch	pcs	251.79
4.1.2	Flush mounted single switch 774001+774041	PCS	411.34
4.1.3	Flush mounted 2 gang single switch ,774005+774041	PCS	473.56
4.1.4	Flush mounted 2 gang two way switch ,774005+774041	PCS	473.56
4.1.5	Flush mounted two way switch, 774006+774041	PCS	411.34
4.1.6	Triple switch	PCS	568.08
4.1.7	Intermediate switch	PCS	440.91
5.0	<b>Socket outlet point</b>		
5.1.1	Power cable (3x4mm <sup>2</sup> ) with 10 meter average point length		
	PVC conduit 25mm		
	Junction Box		
	Connector	PCS	4,717.25
5.1.2	Power cable (3x6mm <sup>2</sup> ) with 10 meter average point length		
	PVC conduit 25mm		
	Junction Box		
	Connector	PCS	6,360.73

Mamush L.

Gezhagn G.

Hirut A.



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
5.1.3	Power cable (3x2.5mm <sup>2</sup> ) with 10 meter average point length PVC conduit 16mm Junction Box Connector	PCS	2,990.35
5.1.4	Power cable (3x2.5mm <sup>2</sup> ) with 10 meter average point length PVC conduit 25mm Junction Box Connector	PCS	3,080.95
5.1.5	Power cable (5x2.5mm <sup>2</sup> ) with 10 meter average point length Conduit (32mm) Junction Box Connector	PCS	4,153.60
6.0	<b>Power outlet point</b>		
6.1.1	16A/1P or 25A/1P power outlet points fed through PVC sheathed Cable of 3x2.5mm <sup>2</sup> inside PVC conduit of 16mm diameter including junction boxes with covers and insulating screw cap connectors.reserve for fan outlets (25m Average length)	PCS	6,079.42
6.1.3	16A/1P or 25A/1P outlet points fed through PVC sheathed and PVC insulated cable of 3x4mm <sup>2</sup> 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 length)	PCS	4,357.33
6.1.4	16A/3P or 25A/3P power outlet points fed through PVC sheathed and PVC insulated cable of 3x6mm <sup>2</sup> 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 length)	PCS	6,132.28
6.1.5	32A/3P power outlet points fed through PVC sheathed and PVC insulated cable of 3x10mm <sup>2</sup> 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	10,371.89
6.1.6	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 length)	PCS	16,882.22
7.0	<b>EXTRA OVER SOCKET OUTLETS</b>		
7.1.1	Single socket economic /ላኪት /	PCS	241.59
7.1.2	Flush mounting single socket of 10A/1P,	PCS	418.83
7.1.3	FLUSH MOUNTED Socket outlet	PCS	418.83
7.1.4	FLUSH MOUNTED Socket outlet twin	PCS	447.04
7.1.5	FLUSH MOUNTED Socket outlet 20A/1P	PCS	536.00
7.1.6	FLUSH MOUNTED Socket outlet for water heater	PCS	506.91
7.1.7	Industrial type Socket outlet of 16A/1P,Legrand p 17 tempr, 55553	PCS	976.93
7.1.8	INDUSRIAL TYPE Socket outlet of 16A/3P,Legrand p 17 tempr, 55558	PCS	1,088.58

Mamush L.

Gezhagn G.

Hirut A.



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
8.0	<i>Standard LED Light Fitting and Lamps</i>		
8.1.1	Panel LED 30x30 24W 3500lm lf 30000hr 3500k	PCS	1,101.74
8.1.2	Panel LED 30x60 36W 3500lm lf 30000hr 3500k	PCS	1,877.96
8.1.3	Panel LED 60x60 48W 3500lm lf 30000hr 3500k	PCS	2,339.63
8.1.4	Panel LED 30x120 48W 3500lm lf 30000hr 4000k	PCS	2,520.87
8.1.5	Panel LED 60x120 48W 3500lm lf 35000hr 4000k	PCS	2,656.79
8.1.6	<i>Philips Fluorescent with Luminaire / LED Light</i>		
8.1.6.1	Type 1 x 18 Watt	PCS	917.75
8.1.6.2	Type 2 x 18 Watt (Lower)	PCS	3,887.75
8.1.6.3	Type 3 x 18 Watt	PCS	817.75
8.1.6.4	Type 4 x 18 Watt (Lower)	PCS	5,684.00
8.1.6.5	Type 1 x 36 Watt	PCS	967.75
8.1.6.6	Type 2 x 36 Watt (Lower)	PCS	1,167.75
8.1.6.7	TMW 065/1-36 with 1 x TLD 36 Watt	PCS	2,117.75
8.1.6.7.1	<i>Tumbler Switch</i>		
8.1.6.7.1.1	Tumbler Switch, 10A, 1-Phase	PCS	7,600.00
8.1.6.7.1.3	Tumbler Switch, 16A, 1-Phase	PCS	7,600.00
8.1.6.7.1.4	Tumbler Switch, 32A, 3-Phase	PCS	8,008.88
8.1.6.7.1.5	Tumbler Switch, 40A, 3-Phase	PCS	8,008.88
8.1.6.7.4.6	emergency lamp with 3hr kit	PCS	4,819.71
8.1.6.7.7	Directional led Sign light 	PCS	3,467.35

Mamush L.



Gezhagn G.

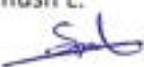


Hirut A.



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
8.2	<i>Gate column and JKF Light</i>		
8.2.1	Gate column Light With lamp 	PCS	2,461.74
8.2.2	 Gate column Light With lamp	PCS	3,481.74
8.2.3	Gate column Light With lamp 	PCS	3,481.74
8.2.4	Gate column Light With lamp 	PCS	3,750.00
8.2.4	JKF Water proof 6 way 3up and 3down outdoor warm white oval led light 	PCS	891.43
8.2.5	JKF Water proof 8 way 4up and outdoor warm white oval led light  4down	PCS	1,261.12
8.2.6	JKF Water proof 10 way 5up and 5down outdoor warm white oval led light  light	PCS	1,435.03
8.2.7	Water proof 6 way 3up and 3down with front Neon strip outdoor warm white led light 	PCS	1,695.90
8.2.8	JKF Water proof 8 way 4up and 4down outdoor warm white oval led light 	PCS	2,173.91
8.2.9	JKF Water proof 2 1up and 1down white  way arm	PCS	1,608.94



Mamush L.  


Gezhagn G.  


Hirut A.  


No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
8.2.10	JKF Water proof 6 3up and 3down white	 way warm	1,939.38
		PCS	
8.3	High Quality Standard LED Light Fitting and Lamps		
8.3.1	Panel LED 30x30 24W 3500lm lf 35000hr 4000k	PCS	2,723.41
8.3.2	Panel LED 30x60 36W 3500lm lf 35000hr 4000k	PCS	4,328.70
8.3.3	Panel LED 60x60 36W 3500lm lf 35000hr 4000k	PCS	4,328.70
8.3.4	Panel LED 30x120 48W 3500lm lf 35000hr 4000k	PCS	5,353.22
8.4	<i>Led Flood Light (Pawza)</i>		
8.4.1	Led Flood Light (Pawza) 50w	PCS	1,652.17
8.4.2	Led Flood Light (Pawza) 100w	PCS	3,217.39
	Led Flood Light (Pawza)150w	PCS	4,086.96
8.4.3	Led Flood Light (Pawza) 200w	PCS	5,652.17
9.0	<i>Lightning Protection System</i>		
9.1.1	Early Streamer Emmision(ESE) Protector SI 40 to be mounted on top of the flood light pole of H=53m and all necessary connecting accessories.	PCS	137,153.92
9.1.2	Early Streamer Emmision(ESE) Protector SI 60 to be mounted on top of the flood light pole of H=53m and all necessary connecting accessories.	PCS	158,153.92
9.1.3	Early Streamer Emmision(ESE) Protector SI 70 to be mounted on top of the flood light pole of H=53m and all necessary connecting accessories.	PCS	158,153.92
9.1.4	16mm Air Termination circular galvanized steel rod 1.0m length	PCS	490.77
9.1.5	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	599.04
9.1.6	1x70mm.sq galvanized Steel earth conductor ring as indicated on the drawing	ml	232.71
9.1.7	30x3.5mm galvanized steel ring earth termination net work.	ml	295.61
9.1.8	1500mm long and 50x50x3mm X-head galvanized steel earth rod including all connecting accessories.	PCS	1,549.78
9.1.9	Bonding materials for down conductor with air termination		
	Bonding materials to roof conductors holder		
	Bonding down conductor		
	Distance holders for earth termination	PCS	10,495.33
9.1.10	16mm Air Termination circular galvanized steel rod 1.0m length	PCS	647.63

Mamush L.



Gezhagn G.



Hirut A.



25



No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
9.2	Low voltage earthing System bare copper conductor		
9.2.1	1x185mm. Sq. Bare copper bonding conductor	ml	3,558.99
9.2.2	1x150mm. Sq. Bare copper bonding conductor	ml	2,308.99
9.2.3	1x120mm. Sq. Bare copper bonding conductor	ml	1,868.99
9.2.4	1x70mm. Sq. Bare copper bonding conductor	ml	1,168.99
9.2.5	1x50mm. Sq. Bare copper bonding conductor	ml	998.99
9.2.6	1x16mm. Sq. Bare copper bonding conductor	ml	267.82
9.2.7	1x10mm. Sq. Bare copper bonding conductor	ml	167.39
9.2.8	1x6mm. Sq. Bare copper bonding conductor	ml	127.25
9.3	<i>Earthing rod</i>		
9.3.1	2400x16mm copper earth road	PCS	3,126.96
9.3.2	1500x16mm copper earth road	PCS	2,226.96
9.3.3	3000x20mm copper earth road	PCS	7,484.35
10.0	<i>Feeder Cables (POWER CABLE 0.6/1KV)</i>		
10.1.1	2x2.5 sq.mm Cable	ml	162.45
10.1.2	3x2.5 sq.mm Cable	ml	259.47
10.1.3	3x4 sq.mm Cable	ml	458.45
10.1.4	3x6sq.mm Cable	ml	654.90
10.1.5	3x10sq.mm Cable	ml	1,095.27
10.1.6	5x4sq.mm Cable	ml	702.15
10.1.7	5x6sq.mm Cable	ml	1,117.11
10.1.8	5x10sq.mm Cable	ml	1,761.67
10.1.9	5x16sqmm Cable	ml	2,704.35
10.1.10	2x2.5sqmm Cable with conduit 16mm	ml	207.26
10.1.11	3x4sqmm Cable with conduit 20mm	ml	501.26
10.1.12	3x6sqmm Cable with conduit 25mm	ml	705.19
10.1.13	3x10sqmm Cable with conduit 32mm	ml	1,158.41

Mamush L.

Gezhagn G.

Hirut A.

No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
10.1.14	5x4sqmm Cable conduit 25mm	ml	757.00
10.1.15	5x 6sqmm Cable conduit 32mm	ml	1,180.25
10.1.16	5x10sqmm Cable conduit 36mm	ml	1,807.07
10.1.17	5x16sqmm Cable conduit 50mm	ml	2,800.95
10.1.18	3x25/16	ml	3,056.10
10.1.19	3x35/16	ml	3,943.35
10.1.20	3x95/50	ml	9,897.90
10.1.21	3x240/120	ml	24,663.00
10.1.22	3x70/35+35sq.mm	ml	8,741.43
10.1.23	3x50/25+1x25sq.mm	ml	6,274.35
10.1.24	3x25/16+1x16sq.mm	ml	3,338.55
10.1.25	3x35/16+1x16sq.mm	ml	4,225.80
10.1.26	3x120/70+1x70 sq.mm	ml	13,653.90
10.1.27	3x150/70+1x70 sq.mm	ml	16,058.40
10.1.28	3x185/95+1x95 sq.mm	ml	20,041.05
10.1.29	3x240/120+1x120 sq.mm	ml	28,172.25
10.1.30	3x300/150+1x150 sq.mm	ml	35,565.30
10.1.31	1x150sq.mm	ml	2,236.87
10.1.32	1x70sq.mm	ml	1,511.55
10.1.33	1x25sq.mm	ml	938.25
10.1.34	1x16sq.mm	ml	338.70
11.0	<i>Conduits and Pipes</i>		
11.1.1	Flexible pvc Pipe (Corrugated conduit) dia16mm	ml	28.62
11.1.2	Flexible pvc Pipe (Corrugated conduit) dia 25mm	ml	54.17
11.1.3	Flexible pvc (Corrugated conduit) dia 32mm	ml	76.99

Mamush L.

Gezhagn G.

Hirut A.

No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
11.1.4	Flexible pvc (Corrugated conduit) dia 50mm	ml	104.61
11.1.3	PVC Pipe Dia(Rgid conduit) 16mm	ml	29.18
11.1.4	PVC Pipe (Rgid conduit) Dia 25mm	ml	39.22
11.1.5	PVC Pipe Dia 32mm	ml	49.33
11.1.6	PVC Pipe Dia 36mm	ml	54.36
11.1.7	PVC Pipe Dia50mm	ml	115.51
11.1.8	PVC Pipe Dia75mm	ml	163.48
11.1.9	PVC Pipe Dia80mm	ml	173.12
11.1.10	PVC Pipe Dia110mm	ml	302.28
11.1.11	PVC Pipe Dia160mm	ml	426.79
11.1.12	PVC Pipe Dia 200mm	ml	784.37
12.0	<i>Led strip light and Aluminium profile</i>		
12.1.1	Double strip light	ml	186.21
12.1.2	Triple strip light	ml	228.15
12.1.3	RGB strip light	ml	154.71
12.1.4	Neon Strip light	ml	217.59
12.1.5	Aluminium profile for strip light	ml	592.71
13.0	<i>galvanized steel Cable tray with standard thicknes</i>		
13.1.1	50*50mm metal	ml	300.62
13.1.2	150*50metal cable tray	ml	683.14
13.1.3	100*100metal cable tray	ml	960.06
13.1.4	100*50metal cable tray	ml	547.23
13.1.5	200*50metal cable tray	ml	960.06
13.1.7	200*100metal cable tray	ml	1,761.06
13.1.8	500*200metal cable tray	ml	4,781.43
14.0	<i>galvanized steel cable ladder with standard thicknes</i>		
14.1.1	100*100mm	ml	1,012.19
14.1.2	100*50mm	ml	719.43

Mamush L.

Gezhagn G.

Hirut A.

No	ELECTRICAL WORK	UNIT	2018 2ND QUARTER ELECTRICAL WORK DIRECT COST
14.1.3	200*50mm	ml	1,012.19
14.1.4	200*100mm	ml	1,821.74
14.1.5	300*100mm	ml	2,758.34
15.0	<i>pvc trucking</i>		
15.1.1	60*40 MM	ml	1,545.07
15.1.2	40*25 MM	ml	872.55
15.1.2	25*25 MM	ml	290.00
15.1.3	16*16 MM	ml	263.86



Mamush L.

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Gezhagn G.

*Gezhagn G.*

Hirut A.

*Hirut A.*

10.0	PAINING	UNIT	2018.E.C 2ND QUARTER (ONLY)
<b>10.1</b>	<b>SUPER PLASTIC PAINT</b>		
10.1.1	Three coats of plastic paint to wall. Internal	m <sup>2</sup>	170.31
10.1.2	Three coats of plastic paint to wall. External	m <sup>2</sup>	173.51
10.1.3	Three coats of plastic paint to tyrolean & rendered wall. External	m <sup>2</sup>	194.60
10.1.4	Three coats of plastic paint to Exposed column and beam	m <sup>2</sup>	177.95
10.1.5	Three coats of plastic paint to chipwood ceiling.	m <sup>2</sup>	175.10
10.1.6	Three coats of plastic paint to Plastered ceiling.	m <sup>2</sup>	199.50
10.1.7	Three coats of plastic paint to fyzit ceiling.	m <sup>2</sup>	176.26
10.1.8	Three coats of plastic paint to abujedid ceiling.	m <sup>2</sup>	158.76
<b>10.2</b>	<b>OIL (SYNTHETIC) PAINT</b>		
10.2.1	Three coats of Oil (synthetic) paint to wall. Internal	m <sup>2</sup>	261.36
10.2.2	Three coats of Oil (synthetic) paint to wall. External	m <sup>2</sup>	257.49
10.2.3	Three coats of Oil (synthetic) paint to Exposed column and beam	m <sup>2</sup>	257.49
10.2.4	Three coats of synthetic paint to plastered soffit surface.	m <sup>2</sup>	282.95
10.2.5	One coats of antirust two coats of synthetic enamel paint to ribbed sheet soffit	m <sup>2</sup>	259.37
10.2.6	One coats of antirust two coats of synthetic enamel paint to metal surface	m <sup>2</sup>	231.78
10.2.7	Three coats of varnish paint to wooden vertical surface	m <sup>2</sup>	266.28
10.2.8	Three coats of varnish paint to wooden soffit	m <sup>2</sup>	293.87
10.2.9	Two coats of Mica paint to internal plastered surface	m <sup>2</sup>	210.76
10.2.10	Two coats of Mica paint to external plastered surface	m <sup>2</sup>	222.26
10.2.11	Two coats of special aluminum paint to metal vertical surface.	m <sup>2</sup>	247.82
10.2.12	Two coats of special antirust paint to GCIS & EGA roof cover	m <sup>2</sup>	206.51
<b>10.3</b>	<b>QUARTZ PAINT</b>		
10.3.1	Quartz paint to Plastered surface	m <sup>2</sup>	545.02
10.3.3	Lime paint የፕራ ቀለም የተቀረፀ	m <sup>2</sup>	118.83
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 <sup>2</sup>	881.08
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 perfix acrylic emulsion color by the engineers 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 <sup>2</sup>	890.10

Prepared by:- Henok Abebe



Checked by:- Gezahegn Getachew



Approved by:- Hirut Ayalew




10.4	<b>JOTUN PAINTING or Equivalent</b>		
10.4.1	<p>For interior Areas( walls, exposed beams, columns, shear walls and RC ceiling) :</p> <p>Three coats of approved quality acrylic emulsion Matt finish.</p> <p><b>Painting System:</b></p> <p><b>Initial Coat (s):</b> One coat of PVA Primer acrylic co-polymer emulsion.</p> <p><b>Finishing Coat (s):</b> Two coats of acrylic copolymer emulsion as per ISO 3233, VOC &lt;10 gms/ltr as per ISO 11890 EU, Matt finish with the following properties:</p> <p><b>Performance Properties:</b></p> <p>1) Low VOC Emission as per CDPH IAQ Version 1.1 or 1.2</p> <p>2) Washability or Scrub Resistance of 5000 passes as per DIN 53778</p> <p>3) Surface Burning Characteristics of Class A as per ASTM E 84</p>	m <sup>2</sup>	205.00
10.4.2	<p><b>For External Concrete, Plastered Surfaces</b></p> <p>JOTUN textile system</p> <p><b>Paint System:</b></p> <p><b>Initial Coat (s):</b> 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.</p> <p><b>Intermediate Coat:</b> Exterior emulsion based on acrylic copolymer emulsion with Volume Solid 62 ± 2 %. VOC as per ISO 11890 EU referred as Texo Compound.</p> <p><b>Finishing Coat (s):</b> 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 resistance as per ASTM D4587-23 and breathability as per EN ISO 7783:2011, Crack-bridging according to BS EN 1062-7.</p>	m <sup>2</sup>	548.00

Prepared by :- Henok Abebe



Checked by:- Gezahegn Getachew




Approved by:- Hirut Ayalew



10.5 GLAZING			
10.5.1	Supply and fix 3mm clear glass.	m <sup>2</sup>	1,658.38
10.5.2	Supply and fix 4mm clear glass.	m <sup>2</sup>	1,878.38
10.5.3	Supply and fix 5mm clear glass.	m <sup>2</sup>	2,593.80
10.5.4	Supply and fix 6mm clear glass.	m <sup>2</sup>	3,583.80
10.5.5	Supply and fix 4mm Figured glass.	m <sup>2</sup>	3,038.80
10.5.6	Supply and fix 5mm Figured glass.	m <sup>2</sup>	3,643.80
10.5.7	Supply and fix 6mm Figured glass.	m <sup>2</sup>	4,083.80
10.5.8	Supply and fix 3mm Frosted glass.	m <sup>2</sup>	2,983.80
10.5.9	Supply and fix 4mm Frosted glass.	m <sup>2</sup>	3,203.80
10.5.10	Supply and fix 5mm Frosted glass.	m <sup>2</sup>	3,643.80
10.5.11	Supply and fix 6mm Frosted glass.	m <sup>2</sup>	4,193.80
10.5.12	Supply and fix 4mm Tinted glass.	m <sup>2</sup>	2,983.80
10.5.13	Supply and fix 5mm Tinted glass.	m <sup>2</sup>	3,588.80
10.5.14	Supply and fix 6mm Tinted glass.	m <sup>2</sup>	3,753.80
10.5.15	Supply and fix 4mm Reflected glass.	m <sup>2</sup>	2,983.80
10.5.16	Supply and fix 5mm Reflected glass.	m <sup>2</sup>	3,643.80
10.5.17	Supply and fix 6mm Reflected glass.	m <sup>2</sup>	4,248.80
10.5.18	Supply and fix 6mm Laminated or security glass	m <sup>2</sup>	5,733.80
10.5.19	Supply and fix 5mm Wired glass	m <sup>2</sup>	4,193.80
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 <sup>2</sup>	11,275.00
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 <sup>2</sup>	13,869.60



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<b>12.0 SANITARY INSTALLATION</b>			
<b>12.1 Hand wash basin</b>			
12.1.1	HWB size 45 * 55 cm with all Accessories heavy duty flexible (RAK)	PCS	17,344.88
12.1.2	HWB size 45 * 55 cm with all Accessories (Golden dragon sealed)	PCS	14,719.88
12.1.3	HWB size 40 * 50 cm with all Accessories (AQUA)	PCS	12,619.88
<b>12.2 Low flash water closet</b>			
12.2.1	Low flash WC with all accessories (RAK)	PCS	24,694.88
12.2.2	Low flash WC with all accessories (Golden dragon sealed)	PCS	23,119.88
12.2.3	Low flash WC with all accessories (AQUA)	PCS	16,609.88
12.2.4	Low flash WC with all accessories (Tabor ceramic)	PCS	8,104.88
12.2.5	Turkish type WC (RAK)	PCS	6,634.88
12.2.6	Turkish type WC ( Tabor ceramic)	PCS	6,004.88
<b>12.3 Urinal</b>			
12.3.1	White glazed urinal with all accessories	PCS	8,959.75
12.3.2	Urinal with all accessories	PCS	8,959.75
<b>12.4 Toilet paper holder</b>			
12.4.1	Toilet paper holder	PCS	2,148.92
12.4.2	Toilet paper holder economy version	PCS	1,626.92
12.4.3	40 x 50 cm glass mirror	PCS	3,909.42
<b>12.5 Soap holder</b>			
12.5.1	Soap holder best quality	PCS	1,984.92
12.5.2	Soap holder economy version	PCS	1,302.42
<b>12.6 Towel Hanger</b>			
12.6.1	Supply and fix approved quality <b>Towel Hanger</b> 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	2,040.82
12.6.2	Supply and fix medium quality <b>Towel Hanger</b> 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	1,358.32
12.6.3	Supply and fix low quality <b>Towel Hanger</b> 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	1,316.32
<b>12.7 Shower units</b>			
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	7,345.88
12.7.2	Supply and fix shower units made of enameled fiber glass, complete with level controlled mixing valve medium quality flexible shower head, P-smell trap and with all other necessary accessories. (70x70cm)	PCS	6,820.88
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	6,610.88
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	7,870.88
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	7,660.88

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Checked by:- Gezahegn Getachew



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12.7.6	Shower box 90x90cm	PCS	40,000.00
12.7.7	Disabled Hand wash basin	PCS	38,189.89
12.7.8	Disabled Water Closet	PCS	33,066.64
12.7.9	Disabled Toilet ( Disable HWB & Disable WC)	PCS	74,819.37
<b>12.8</b>	<b>Bath Tab</b>		
12.8.1	70x170cm Bath Tab with all accessories	PCS	50,892.71
12.8.2	70x170cm Bath Tab with all accessories midium quality	PCS	43,501.71
12.8.3	70x170cm Bath Tab with all accessories (fiber glass)	PCS	37,849.71
<b>12.9</b>	<b>Kitchen sink</b>		
12.9.1	Kitchen sink ( double bowel) Italy	PCS	8,200.75
12.9.2	Kitchen sink ( double bowel) AQUA	PCS	8,200.75
12.9.3	Kitchen sink ( double bowel) Milano	PCS	7,255.75
12.9.4	Kitchen sink ( Single bowel) AQUA	PCS	6,520.75
12.9.5	Kitchen sink ( Single bowel) Milano	PCS	5,680.75
<b>12.1</b>	<b>Water heater</b>		
12.10.1	Instant Water heater	PCS	23,377.71
12.10.2	50lt Water heater ordinary	PCS	29,677.71
12.10.3	80lt Water heater ordinary	PCS	39,127.71
12.10.4	100lt Water heater ordinary	PCS	52,252.71
12.10.5	50lt Water heater (Ariston)	PCS	35,749.45
12.10.6	80lt Water heater (Ariston)	PCS	46,432.06
12.10.7	100lt Water heater (Ariston)	PCS	60,675.54
<b>12.1</b>	<b>Floor drain</b>		
12.11.1	Floor drain (100mm) (Chrome plated)	PCS	1,879.39
12.11.2	Floor drain (80mm) (Chrome plated)	PCS	1,818.78
12.11.3	Floor drain ( 50mm) (Chrome plated)	PCS	1,372.44
12.11.4	Dia. 110mm clean out waste water	PCS	1,129.43
12.11.5	Dia. 80mm clean out	PCS	981.39
12.11.6	Dia.50mm clean out	PCS	826.64
12.11.7	Precast cloth washing basin	PCS	4,966.73
<b>12.1</b>	<b>PPR Pipe</b>		
12.12.1	1/2" PPR Pipe	ml	164.18
12.12.2	3/4" PPR Pipe	ml	388.16
12.12.3	1" PPR Pipe	ml	657.18
12.12.4	1 1/4" PPR Pipe	ml	926.20
12.12.5	1 1/2" PPR Pipe	ml	1,751.20
12.12.6	2" PPR Pipe	ml	2,289.25
12.12.7	2 1/2" PPR Pipe	ml	2,647.94
12.12.8	3" PPR Pipe	ml	4,441.42



Prepared by :- Henok Abebe

Checked by:- Gezahegn Getachew

Approved by:- Hirut Ayalew

<b>12.1 Galvanized Steel Pipe</b>			
12.13.1	1/2" Galvanized Steel Pipe ( GSP )	15mm	ml 999.09
12.13.2	3/4" Galvanized Steel Pipe ( GSP )	20mm	ml 1,240.59
12.13.3	1" Galvanized Steel Pipe ( GSP )	25mm	ml 1,458.59
12.13.4	1 1/4" Galvanized Steel Pipe ( GSP )	32mm	ml 1,568.22
12.13.5	1 1/2" Galvanized Steel Pipe ( GSP )	40mm	ml 1,781.09
12.13.6	2" Galvanized Steel Pipe ( GSP )	50mm	ml 2,709.22
12.13.7	2 1/2" Galvanized Steel Pipe ( GSP )	63mm	ml 3,364.77
12.13.8	3" Galvanized Steel Pipe ( GSP )	75mm	ml 4,416.89
12.13.9	3 1/2" Galvanized Steel Pipe ( GSP )		ml 6,439.98
12.13.10	4" Galvanized Steel Pipe ( GSP )		ml 7,900.91
12.13.11	5" Galvanized Steel Pipe ( GSP )		ml 8,105.78
12.13.12	6" Galvanized Steel Pipe ( GSP )		ml 9,459.27
12.13.13	8" Galvanized Steel Pipe ( GSP )		ml 11,252.29
12.13.14	10" Galvanized Steel Pipe ( GSP )		ml 12,975.00
12.13.15	12" Galvanized Steel Pipe ( GSP )		ml 14,994.41
<b>12.1 Cast iron Pipe</b>			
12.14.1	3 1/2" Cast iron Pipe ( CIP )		ml 924.58
12.14.2	4" Cast iron Pipe ( CIP )		ml 1,547.65
12.14.3	5" Cast iron Pipe ( CIP )		ml 1,618.89
12.14.4	6" Cast iron Pipe ( CIP )		ml 1,699.34
12.14.5	8" Cast iron Pipe ( CIP )		ml 2,179.36
12.14.6	10" Cast iron Pipe ( CIP )		ml 2,595.46
12.14.7	12" Cast iron Pipe ( CIP )		ml 3,281.28
<b>12.2 HDPE Pipe (PN 16)</b>			
12.15.1	1/2" HDP Pipe		ml 966.70
12.15.2	3/4" HDP Pipe		ml 1,071.10
12.15.3	1" HDP Pipe		ml 1,125.37
12.15.4	1 1/4" HDP Pipe		ml 1,240.48
12.15.5	1 1/2" HDP Pipe		ml 1,394.84
12.15.6	2" HDP Pipe		ml 1,571.37
12.15.7	2 1/2" HDP Pipe		ml 1,878.68
12.15.8	3" HDP Pipe		ml 2,440.09
12.15.9	3.5" HDP Pipe		ml 2,874.53
12.15.10	4" HDP Pipe		ml 2,851.44
12.15.11	5" HDP Pipe		ml 3,792.79



Prepared by :- Henok Abebe

Checked by:- Gezahegn Getachew

Approved by:-Hirut Ayalew

<b>12.2 HDPE Pipe (PN 16)</b>			
12.16.1	160 mm. dia. HDPE Pipe (PN16)	ml	4,794.73
12.16.2	200 mm. dia. HDPE Pipe (PN16)	ml	6,831.88
12.16.3	225 mm. dia. HDPE Pipe (PN16)	ml	8,439.03
12.16.4	250 mm. dia. HDPE Pipe (PN16)	ml	10,106.73
12.16.5	315 mm. dia. HDPE Pipe (PN16)	ml	15,547.73
12.16.6	355 mm. dia. HDPE Pipe (PN16)	ml	23,956.64
12.16.7	400 mm. dia. HDPE Pipe (PN16)	ml	30,915.75
12.16.8	455 mm. dia. HDPE Pipe (PN16)	ml	35,562.49
<b>12.2 HDPE Pipe (PN 10)</b>			
12.17.1	1 1/4" HDPE Pipe	ml	1,028.66
12.17.2	1 1/2" HDPE Pipe	ml	1,079.63
12.17.3	2" HDPE Pipe	ml	1,117.45
12.17.4	2 1/2" HDPE Pipe	ml	1,210.42
12.17.5	3" HDPE Pipe	ml	1,305.31
12.17.6	3.5" HDPE Pipe	ml	1,465.51
12.17.7	4" HDPE Pipe	ml	1,653.61
12.17.8	5" HDPE Pipe	ml	1,811.82
12.17.9	160 mm. dia. HDPE Pipe (PN10)	ml	1,935.26
12.17.10	200 mm. dia. HDPE Pipe (PN10)	ml	2,490.41
12.17.11	225 mm. dia. HDPE Pipe (PN10)	ml	2,914.49
12.17.12	250 mm. dia. HDPE Pipe (PN10)	ml	3,384.49
12.17.13	315 mm. dia. HDPE Pipe (PN10)	ml	4,739.44
12.17.14	355 mm. dia. HDPE Pipe (PN10)	ml	5,750.41
12.17.15	400 mm. dia. HDPE Pipe (PN10)	ml	7,040.71
12.17.16	455 mm. dia. HDPE Pipe (PN10)	ml	8,587.63
12.18.9	Service Valve 1/ 2"	PCS	467.81
12.18.10	Service Valve 3/ 4"	PCS	520.10
<b>12.2 BRONZE Gate Valve</b>			
12.19.1	BRONZE Gate Valve PN 16 1/2"X20	PCS	1,194.27
12.19.2	BRONZE Gate Valve PN 16 3/4"	PCS	1,542.09
12.19.3	BRONZE Gate Valve PN 16 1"(25)	PCS	2,150.79
12.19.4	BRONZE Gate Valve PN 16 32MM	PCS	3,194.27
12.19.5	BRONZE Gate Valve PN 16 40MM	PCS	3,542.09
12.19.6	BRONZE Gate Valve PN 16 2"	PCS	5,020.36
12.19.7	BRONZE Gate Valve PN 16 2 1/2"	PCS	5,455.14
12.19.8	BRONZE Gate Valve PN 16 3"	PCS	6,324.70
12.19.9	BRONZE Gate Valve PN 16 3.5"	PCS	7,897.10
12.19.10	BRONZE Gate Valve PN 16 4"	PCS	8,299.78
12.19.11	BRASS Gate Valve PN 16 3"	PCS	4,759.35
12.19.12	BRASS Gate Valve PN 16 2 1/2"	PCS	3,739.52
12.19.13	BRASS Gate Valve PN 16 1 1/2"	PCS	1,667.47
12.19.14	BRASS Gate Valve PN 16 2"	PCS	2,383.06
12.19.17	BRASS Gate Valve PN 16 4"	PCS	10,810.07
12.19.18	BRASS Gate Valve PN 16 3" two way	PCS	7,484.53
12.19.20	BRASS Gate Valve PN 16 4" two way	PCS	12,600.63
12.19.21	BRASS Gate Valve PN 16 5" two way	PCS	15,951.59
12.19.22	BRASS Gate Valve PN 16 6"	PCS	10,121.39
12.19.23	BRASS Gate Valve PN 16 8"	PCS	14,834.48
12.19.24	BRASS Gate Valve PN 16 10"	PCS	19,060.18
12.19.25	BRASS Gate Valve PN 16 12"	PCS	25,091.27
12.19.16	FLOAT VALVE Valve PN 16 2"(50)	PCS	907.31

Prepared by :- Henok Abebe



Checked by:- Gezahegn Getachew



Approved by:- Hirut Ayalew



<b>12.2</b>	<b>Cast iron Valve</b>		
12.20.1	Cast iron Valve PN 16 90mm	PCS	17,391.60
12.20.2	Cast iron Valve PN 16 100mm	PCS	25,316.32
12.20.3	Cast iron Valve PN 16 150mm	PCS	32,156.05
12.20.4	Cast iron Valve PN 16 200mm	PCS	46,612.46
12.20.5	Cast iron Gate Valve PN 16 300mm	PCS	59,580.36
<b>12.2</b>	<b>Water Meter</b>		
12.21.2	25mm dia. Water Meter.	PCS	1,663.58
12.21.3	50mm dia. Water Meter.	PCS	3,969.65
<b>12.2</b>	<b>UPVC Pipe (PN6) without Civil assistance works</b>		
12.22.1	50 mm. dia. UPVC Pipe (without Civil works)	ml	417.93
12.22.2	65 mm. dia. UPVC Pipe (without Civil works)	ml	515.21
12.22.3	75 mm. dia. UPVC Pipe (without Civil works)	ml	568.25
12.22.4	110 mm. dia. UPVC Pipe (without Civil works)	ml	789.06
12.22.5	125 mm. dia. UPVC Pipe (without Civil works)	ml	1,024.48
12.22.6	160 mm. dia. UPVC Pipe (without Civil works)	ml	1,570.65
12.22.7	200 mm. dia. UPVC Pipe (without Civil works)	ml	1,914.11
12.22.8	225 mm. dia. UPVC Pipe (without Civil works)	ml	2,278.98
12.22.9	250 mm. dia. UPVC Pipe (without Civil works)	ml	3,722.60
12.22.10	315 mm. dia. UPVC Pipe (without Civil works)	ml	6,379.81
12.22.11	355 mm. dia. UPVC Pipe (without Civil works)	ml	7,443.11
12.22.12	400 mm. dia. UPVC Pipe (without Civil works)	ml	10,517.65
12.22.13	450 mm. dia. UPVC Pipe (without Civil works)	ml	11,569.41
12.22.14	500 mm. dia. UPVC Pipe (without Civil works)	ml	12,629.46
12.22.15	160 mm. dia. PERFORATED PIPE. Price shall include Geosynthetic, Damp proof, Gravel 40-50mm, Select material and Accessories	ml	3,246.79
<b>12.2</b>	<b>Vent cap</b>		
12.23.1	Dia. 50mm Vent cap	PCS	274.83
12.23.2	Dia. 80mm Vent cap	PCS	294.91
12.23.3	Dia. 100mm Vent cap	PCS	335.95
<b>12.2</b>	<b>UPVC Pipe down pipe</b>		
12.24.1	80 mm. dia. UPVC Pipe down pipe	ml	577.35
12.24.2	110 mm. dia. UPVC Pipe down pipe	ml	792.57
12.24.3	125 mm. dia. UPVC Pipe down pipe	ml	1,039.17
12.24.4	160 mm. dia. UPVC Pipe down pipe	ml	1,552.82
<b>12.3</b>	<b>Curb stone</b>		
12.32.1	Curb stone in C-25 size 150x400mm	ml	1,448.67
<b>12.3</b>	<b>Water tank</b>		
12.34.5	Fiber glass water tank 500 lt capacity	No.	19,229.74
12.34.6	Fiber glass water tank 1000 lt capacity	No.	21,280.15
12.34.7	Fiber glass water tank 3000 lt capacity	No.	42,729.74
12.34.8	Fiber glass water tank 5000 lt capacity	No.	49,229.74
12.34.9	Fiber glass water tank 10000 lt capacity	No.	89,229.74
12.34.10	Fiber glass water tank 15000 lt capacity	No.	149,229.74
12.34.11	Fiber glass water tank 20000 lt capacity	No.	189,229.74
12.34.12	Fiber glass water tank 25000 lt capacity	No.	222,229.74

Prepared by :- Henok Abebe



Checked by:- Gezahegn Getachew



Approved by:- Hirut Ayalew



ITEM.NO.	DESCRIPTION	UNIT	2018 2nd Quarter Direct Cost Only
	<b>Foot path &amp; General Paving works</b>		
1	Foot path (side walk) brick (15*30*0.5) established and compressed during preparation and rough surface ) coloured concrete block on cement stablized sand base 50mm fine aggregate including any jointing work.	m <sup>2</sup>	1493.86
2	Foot path (side walk) brick (15*30*0.5) established and compressed during preparation and rough surface ) coloured concrete block on mortar bedding including any jointing work.	m <sup>2</sup>	1945.72
3	Foot path (side walk) brick (l-section) established and compressed during preparation and rough surface ) coloured concrete block on mortar bedding including any jointing work.	m <sup>2</sup>	1930.55
4	Foot path (side walk) brick (l-section) Width =15 and 9cm length = 30cm and thickness = 5cm established and compressed during preparation and rough surface ) coloured concrete block on sand bedding including any jointing work.	m <sup>2</sup>	1479.30
5	Foot path (side walk) yellow tiles coloured concrete block on cement stablized sand base 50mm fine aggregate including any jointing work.	m <sup>2</sup>	1642.68
6	Foot path (side walk) yellow tiles coloured concrete block on mortar bedding including any jointing work.	m <sup>2</sup>	1891.39
7	Foot path (side walk) Zig zag compressed precoloured concrete block on cement stablized sand base 50mm fine aggregate including any jointing work.	m <sup>2</sup>	1581.63

Prepared by:- Henok A



Checked by:- Gezahegn G



Approved by:- Hirut A



**ROAD WORK MAIN ITEMS**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>2018 2ND QUARTER DIRECT COST</b>
1	Capping layer under the sub base layer(Granular) compacted to thickness of 200mm up to average 15km distance.	m <sup>3</sup>	2214.04
2	Gravel sub base compacted to 96% AACRA test S-11 Density (Compacted layer of maximum 150mm) up to average 15km.	m <sup>3</sup>	3891.21
3	Base course compacted to 96% AACRA test S-11 Density (Compacted layer of maximum 150mm) up to average 15km.	m <sup>3</sup>	4075.83



Prepared by:- Henok A

Checked by:- Gezehegn G

Approved by:-Hirut A

ITEM	DESCRIPTION	UNIT	2018 2ND QUARTER
	<b>DRAINAGE WORK</b>		
	<b>Supply and construct concrete pipe Half ditch with all civil assistance works.</b>		
1	Half Dia.30cm concrete pipe.	ml	711.78
2	Half Dia.40cm concrete pipe.	ml	746.65
	<b>Supply and construct concrete pipe closed ditch with all civil assistance works.</b>		
1	Supply and lay Diameter 30 cm concrete pipe	ml	1102.05
2	Supply and lay Diameter 40 cm concrete pipe	ml	1168.35
3	Supply and lay Diameter 50 cm concrete pipe	ml	2295.27
4	Supply and lay Diameter 60 cm concrete pipe	ml	2524.97
5	Supply and lay Diameter 100 cm concrete pipe	ml	7849.80
	<b>Supply and construct Reinforced concrete pipe closed ditch with all civil assistance works.</b>		
1	Supply and lay Diameter 50 cm concrete pipe	ml	5887.87
2	Supply and lay Diameter 60 cm concrete pipe	ml	6801.07



Prepared by:-Henok A

Checked by:- Gezahegn G.

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Approved by:-Hirut A