

15 -ാം കേരള നിയമസഭ

3 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 328

04-10-2021 - ൽ മറുപടിയ്ക്ക്

വെണ്ണല ഗവണ്മെന്റ് എൽ. പി. സ്കൂളിലെ ക്ലാസ്സ് മുറി നിർമ്മാണം

ചോദ്യം		ഉത്തരം	
ശ്രീ. പി. ടി. തോമസ്		Shri M. V. Govindan Master (തദ്ദേശ സ്വയംഭരണ, ഗ്രാമവികസനം, എക്സൈസ് വകുപ്പ് മന്ത്രി)	
(എ)	തൃക്കാക്കര മണ്ഡലത്തിലെ എം. എൽ. എ. ആസ്തി വികസന പദ്ധതിയിലുൾപ്പെടുത്തി നടപ്പിലാക്കിയ വെണ്ണല ഗവണ്മെന്റ് എൽ. പി. സ്കൂളിൽ പുതിയ ക്ലാസ്സ് മുറിയുടെ നിർമ്മാണ പ്രവൃത്തിയുടെ ഫൈനൽ ബിൽ അലോട്ട്മെന്റ് കരാറുകാരന് നൽകിയിട്ടുണ്ടോ; ഇല്ലെങ്കിൽ കാലതാമസത്തിന്റെ കാരണം വിശദമാക്കുമോ;	(എ)	ഉണ്ട്
(ബി)	നൽകിയിട്ടുണ്ടെങ്കിൽ എന്നാണ് നൽകിയതെന്നും പ്രസ്തുത തുക നൽകുവാനുണ്ടായ കാലതാമസത്തിന്റെ കാരണവും വിശദമാക്കുമോ;	(ബി)	01/10/2021 നാണ് നൽകിയത്. ഈ പ്രവൃത്തിയുടെ ബില്ലുകൾ രണ്ട് പാർട്ടികളായാണ് അനുവദിച്ചത്. ആദ്യ പാർട്ട് ബിൽ 25/04/2018 ന് അനുവദിച്ചു. ഫൈനൽ ബിൽ തുക അനുവദിക്കുന്നതിനായി ലഭ്യമാക്കിയ ബില്ലിലും അനുബന്ധ രേഖകളിലും ചില അപാകതകൾ ശ്രദ്ധയിൽപ്പെടുകയും അതു പരിഹരിക്കുന്നതിന് കാലതാമസം ഉണ്ടാവുകയും ചെയ്തു. കോവിഡിനെ തുടർന്നുണ്ടായ ഭരണപരമായ ബുദ്ധിമുട്ടുകളും ഫൈനൽ ബിൽ തുക കരാറുകാരന് യഥാസമയം നൽകാൻ കഴിയാത്തതിന് കാരണമായി.
(സി)	ഈ വിഷയം സംബന്ധിച്ച് തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എഞ്ചിനീയറുടെ കാര്യാലയത്തിൽ കൈകാര്യം ചെയ്യുന്ന എല്ലാ ഫയലുകളുടെയും പൂർണ്ണമായ പകർപ്പ് ലഭ്യമാക്കുമോ?	(സി)	അനുബന്ധമായി ചേർക്കുന്നു.

സെക്ഷൻ ഓഫീസർ

AS/ DB2/3902/2018/CE/LSGD

Dept.
Section :

Subject :

Reference :

വിഷയം: ഐ.കെ.എ - ഓഡി.എസ് - വെണ്ണല
നവ. കെ.എ. സ്മൃത കെട്ടിടത്തിൽ ചുങ്കം
ജമ്പ്റ്ററികൾ നിർമ്മാണം - ചെറുപ്പ് ബിൽ
നമ്പർ 2379/15

സൂചന - കൊച്ചി മുൻസിപ്പൽ കോർപ്പറേഷൻ
സെക്ഷൻ ഓഫീസിന് 22/03/18 ലെ
KRE - 3118/15 നമ്പർ കത്ത്.

സൂചന കണ്ടാലും ചെറുപ്പ് ക്യാമ്പ് 2018-19-ൽ
ശ്രീ ജെ.എസ്. ജെ.എസ്. ജെ.എസ്. ജെ.എസ്. ജെ.എസ്.
വിഷയം പദ്ധതിയിൽ ഉൾപ്പെടുത്തി നടപ്പിലാക്കിയ
വെണ്ണല നവ. കെ.എ. സ്മൃത കെട്ടിടത്തിൽ ജമ്പ്റ്ററികൾ
നിർമ്മാണം എന്ന പദ്ധതിയിൽ No. RDNO. 2379/15/LSGD,
03/06/2015 പ്രകാരം അനുവദിച്ചിട്ടുള്ള ഒരു
49,90,000/- രൂപയാണ്. പദ്ധതിയുടെ ഭാഗമായി
ചുങ്കത്തിലാക്കിയിരുന്ന ഒരു അടിമതിൽ ഒരു
മുൻസിപ്പൽ കോർപ്പറേഷൻ സൂചന
പ്രകാരം അനുവദിച്ചിട്ടുള്ളതാണ്. പദ്ധതിയുടെ
ചെറുപ്പ് ബിൽ ഒരു 29,59,315/- രൂപയാണ്.
അതിൽ നിന്നും നിർമ്മാണത്തിന് 73,316/-
രൂപ കൂടി ചെലവ് വെക്കി 29,59,315/- രൂപ
അനുവദിക്കുന്നതാണ്. ഉത്തരവിനായി

05/04/18

സൂചന: പ്രസ്തുത CE 1st & 2nd Bill അനുസരിച്ച്
അതിൽ ഒരു പദ്ധതിയുടെ ചെലവ് 29,59,315/- രൂപ
നിർമ്മാണത്തിന് അനുവദിക്കുന്നു. 29,59,315/- രൂപ

2nd of 28, 59315 2, 1 100000/2, 1 100000
 100000 - 2nd 100000/2, 1 100000

6/9/2018

F-o for ~~repairs~~

C. J.

9/4. Feb

1st and 2nd Bell my 2000

98.593157 = (continued) in log mm, sec

~~2/2/18~~

15/4.

4. DLE 2/14

Sanctioned an amount of Rs. 28,57+315/-
Rupees.....
.....only) Vice Proceedings
4000 (PV)
No.E71.....120..12..1000 cases.25...4.10/18
CHIEF ENGINEER

8

5-5.18

Ref:

മെച്ചി മിസിലേഷൻ കൺട്രോൾ ചെയ്തതിൽ
02/7/2018 നെ KREI - 3118 (15 നമ്പർ കൺട്രോൾ)

ମନୁଷ୍ୟର ସ୍ୱାଧୀନତା ଓ ନିର୍ଦ୍ଦୋଷତା

മെ. ടി. മുഹമ്മദ് ഓമൻ കോളേജ് ഓഫ് എൻജിനീയറിംഗ്
മെ. ടി. മുഹമ്മദ് ഓമൻ കോളേജ് ഓഫ് എൻജിനീയറിംഗ്

(A). നിലവിൽ ടി-പ്രവൃത്തിയുടെ 1st part 5111 തുകയായി 28,59,315/- രൂപ അനുവദിച്ചു നൽകിയിട്ടുള്ളതാണ്.

(B). 1985ലെ ടി-പ്രവൃത്തി നടപടിക്കുള്ള നിലവിലുള്ള തിരുത്തലിൽ അംഗീകരിച്ച Plan പ്രകാരം നിർമ്മാണം നടത്താൻ സാധിക്കാത്തതിനാൽ P.T. & മറ്റു തിരുത്തലുകളുടെ അടിസ്ഥാനത്തിൽ Design-ൽ മാറ്റം വരുത്തി.

(2) S.S.A മൂലം നിലവിൽ ചാർജ്ജ് ചെയ്ത പ്രദേശം ടി-പ്രവൃത്തിയുടെ ഒട്ടിടങ്ങളിൽ നിന്ന് ഒട്ടിടത്തിലെ ചുറ്റും മൂന്ന് മൂന്ന് മൂന്നുമൂലയ്ക്ക് വലിപ്പം ഉപയോഗിച്ച് വർദ്ധിപ്പിച്ചിട്ടുണ്ട്. അതുകൊണ്ട് നിർമ്മാണത്തിന്റെ കോൺട്രിബ്യൂഷൻ അനുപാതത്തിലും മാറ്റം വരുത്തിയിട്ടുണ്ട്.

Estimate തയ്യാറാക്കിയത് വിവരമായി പരിശോധനയ്ക്ക് ഉയർത്തണമെന്നാണ് അന്വേഷണ ഉദ്യോഗസ്ഥൻ സാമ്പത്തിക വിഭാഗത്തിൽ വാങ്ങാൻ അറിയിച്ചത്.

49,90,000/- രൂപയാണ് സർക്കാർ ഭരണാനുമതി നൽകിയിട്ടുള്ളത്.

B പ്രകാരം അത് ഇപ്പോൾ 56,12,000/- രൂപ ടി-നിർമ്മാണം പൂർത്തിയാക്കാൻ അനുവദിച്ചിട്ടുണ്ട്. അതായത് അധികമായി 6,22,000/- രൂപ ആവശ്യമാണ്. അത് സാമ്പത്തിക വിഭാഗത്തിൽ നിന്ന് അനുവദിക്കണമെന്നാണ്. ഇതിന് B പ്രകാരം മുമ്പിൽ

സെക്രട്ടറിയുടെ അത് നൽകാവുന്നതാണ്. ടി-അലങ്കാര ലഭിക്കുന്ന മുമ്പ് സർക്കാരിലേക്ക് അറിയിച്ചിട്ടുള്ള തുക അനുവദിച്ചിട്ടുണ്ടെന്നാണ്.

Revised A.S proposal നൽകാവുന്നതാണ്.

3 ഭാഗ് ഉത്തരവിനായി.

ഒട്ടിടത്തിന്റെ അളവുകൾ വർദ്ധിപ്പിച്ചതിന്റെ അടിസ്ഥാനത്തിൽ ടി പ്രവൃത്തിയുടെ അളവുകൾ തുക 49,90,000/- രൂപയിൽ നിന്ന് 56,12,000/- രൂപ ഉയർത്തണമെന്നാണ് മുമ്പിൽ

അയച്ചിട്ടുള്ളത്. ടി പ്രവൃത്തിയുടെ Revised A.S proposal സർക്കാരിലേക്ക് നൽകുന്നതിനായി വിവരമായി Report S.S. Plan ഉപയോഗിച്ച് അലങ്കാര ലഭിക്കുന്നതിനായി തയ്യാറാക്കിയത്.

അതിന്റെ അടിസ്ഥാനത്തിൽ ഉത്തരവിനായി.

16/8/18
R.R.



(1) 3 Gyromys A-3 29,90,000/2 million.

(3) അധികരിച്ച പത്രം നൽകി കൊടുക്കേണ്ടതും
നന്നെ രഹിച്ച് നിങ്ങളുടെ ചിലവിടം കൂടെയുൾക്കൊള്ളിക്കുകയും
നിങ്ങളുടെ പേരിൽ അയക്കുന്നതിനു തീരുമാനമെന്നും
F. St. Malis Report - ന്റെ ഭാഗമായിട്ടുള്ളതാണ്.

(A) exterior painting ஒப்பந்தம் செய்து 95% செலவை
உடனடி செலவு செய்து கொடுத்திருக்கிறார்கள்.

② மிகுந்த மன உழைப்பு, MLA மனம் நெருக்கிய உடனடி உதவியைக் கொடுத்ததால் மூலக் கிராமம் சிறப்பாக இருக்கிறது. மனம் நெருக்கிய உதவியைக் கொடுத்ததால் மூலக் கிராமம் சிறப்பாக இருக்கிறது.

—Bz

28/06/19
DB

ഒരു വിവരങ്ങൾ (സൂചന കാത്തിൽ പരസ്പരമിരിക്കുന്നു)
 കാനിയ ദാസനാശി ഏകദേശം നാലുപ്രകാരത്തിൽ
 സർക്കാരിലേക്ക് കാത്ത് നാലുപ്രകാരത്തിൽ കാത്ത്
 ഉത്തരവിനായി.

09/01/15 MD3

29/6/19
AGE₂

24
1/2/19
EE

(A)

ഭരത പ്രവൃത്തിയ്ക്ക് അനുമതിയ്ക്ക് പറ്റിയ തുകയിൽ
അടയ്ക്കിയിട്ടുള്ള പണം 6,22,000/- രൂപയ്ക്കുമാത്രം
നിർമ്മാണ പ്രവൃത്തി നിർമ്മാണ പ്രവൃത്തി
പ്രവൃത്തി നിർമ്മാണ പ്രവൃത്തി നിർമ്മാണ പ്രവൃത്തി
പ്രവൃത്തി, പ്രവൃത്തി പ്രവൃത്തി നിർമ്മാണ പ്രവൃത്തി
Stage report പറ്റിയ പണം പ്രവൃത്തി നിർമ്മാണ പ്രവൃത്തി
അടയ്ക്കിയിട്ടുള്ള പണം, ഭരത
നിർമ്മാണ പ്രവൃത്തി നിർമ്മാണ പ്രവൃത്തി നിർമ്മാണ പ്രവൃത്തി.

20/12/80

20/12/80

20/12/80

20/12/80

ഭരത ഉത്തരവ് നൽകിയിട്ടുള്ളതായി അറിയിക്കുന്നു.

DB2 28/12/80

28/12/80

28/12/80

28/12/80

28/12/80

28/12/80

1/5/80

28/12/80

Section:

Subject:

Reference:

നിബാജ്ജാ മന്ത്രിയുടെ അനുമതിയിൽ വിവിധ പദ്ധതി-രേഖകൾ
 വിനിയോഗനം നടത്തിയതിൽ ഉൾപ്പെട്ട നിർദ്ദേശപ്രകാരം
 മറ്റു പദ്ധതികൾ, സമീപകാലം തുടങ്ങിയ പദ്ധതികൾക്കു
 നിന്നാവാം, മറ്റു സംസ്ഥാനത്തു നിന്നും ഉൾപ്പെട്ടവയോ
 അനുമതി വിനിയോഗങ്ങൾ വിനിയോഗിക്കാൻ വ്യവസ്ഥിച്ചിട്ടുണ്ട്.
 ദേശീയതലത്തിൽ ഉൾപ്പെട്ട ഉപപദ്ധതികൾ
 (പദ്ധതി) 98% പൂർത്തിയാക്കിയിട്ടുണ്ട്. അതിൽനിന്നും
 6,22,000/- രൂപ സംസ്ഥാനത്തു നിന്നും അതിൽ നിന്നും
 വിനിയോഗിച്ചിട്ടുണ്ട് (പദ്ധതി) പൂർത്തിയാക്കാൻ നിർദ്ദേശിച്ചിട്ടുണ്ട്.
 അതിൽ വ്യവസ്ഥിച്ചിട്ടുണ്ട്. ഇതിൽ സാമ്പത്തികവൽക്കരണ
 സംസ്ഥാനത്തിൽ ~~അ~~ വിവിധ ഉപപദ്ധതികൾക്കായി
 സാമ്പത്തിക വിനിയോഗം.

10/11

10/11

ഉത്തരവിന്റെ അനുസരണമായി ACS നൽകിയതിൽ
 കൂടി അതിന്റെ അനുസരണമായി കാര്യങ്ങൾ

10/07/19
 2019

10/11/19
 2019

12/11/19
 AEG

10/11/19

10/11/19

സർക്കാരിന്റെ 29/10/19 ന്റെ G.O.(R) No. 2401/2019/CSG
 നൽകിയ കാര്യം അനുസരണമായി

ഇതിൽ ഉത്തരവ് അനുസരിച്ചായി നടത്തിയതും.

1) ഉത്തരവ് താഴെ പറയുന്ന വിധത്തിൽ

ഭരത പ്ര
ശാസ്ത്ര
നി

നഗരസഭാ ഫണ്ടിൽ നിന്നും ഏകദേശത്തിന് അനുബന്ധിച്ച്
-ഒന്ന് മുനിസിപ്പൽ വെക്വറി 03.07.2018 ലെ അത് പ്രകാരം
അവശ്യപ്പെട്ടിരുന്നു.

അതാണ് പ്രകാരം Estimate, Report, Check list, ടെക്നിക്കൽ
Drawings എന്നിവ നൽകിയിട്ടുണ്ട്.

കൂടാതെ, ശ്രീ. P.T. Thomas M.L.A യുടെ ഉത്തർ ഉദ്ദേശം
ചെയ്തിട്ടുണ്ട്.

- 1. അതാണ്
- 2. സർക്കാർ ഉത്തരവ് G.O(P) 332/2012/Fin dated 11.06.2012
പ്രകാരം മറ്റു ഘടനാപരമായി കൂട്ടിച്ചേർക്കുന്നത് എന്ന്
പരാമർശിച്ചിട്ടുണ്ട്.

- 3. നിലവിൽ ടി പ്രവൃത്തി കഴിഞ്ഞിട്ടുണ്ട്. കൂടാതെ
റിവൈസ് നൽകിയിരിക്കുന്നത്
ടെക്നിക്കൽ ഡ്രോയിംഗ് നൽകിയിട്ടുണ്ട്. അതിന്റെ അടിസ്ഥാനത്തിൽ ഭരത A-5
Revised ചെയ്തതിന് അനുബന്ധ വരുന്ന ഒരു Estimate
M.L.A ന് നിശ്ചയിച്ച പ്രകാരം നഗരസഭയുടെ തസ്തികയിൽ
നിന്നും ചിലവാക്കി പൂർത്തിയാക്കുന്നതിന് ഭരത A-5
Revised ചെയ്ത് നൽകുന്നതിന് സർക്കാരിനോട് അഭ്യർത്ഥിക്കുന്നു.
-മുഖതാമി കാണുക.

ഭരത ഉത്തരവിനായി. 12/12/18

ഭരത നിശ്ചയിച്ച തുകയ്ക്ക് 56,12,000/- രൂപയുടെ അടിസ്ഥാനത്തിൽ
M.L.A യുടെ ഉത്തർ പ്രകാരം 56,12,000/- രൂപയുടെ അടിസ്ഥാനത്തിൽ
അനുബന്ധ നൽകുന്നതാണ് അവശ്യപ്പെട്ടിരിക്കുന്നത്.
A-5 യുടെ estimate report പ്രകാരം അനുബന്ധ വരുന്ന 6,22,000/-
രൂപ നഗരസഭയുടെ തസ്തികയിൽ നിന്നും ചിലവഴിക്കുന്നു.
എന്നു പുറപ്പെടുവിച്ചിട്ടുണ്ട്.

M.L.A ADS ഫണ്ടുപയോഗിച്ച് 56,12,000/- രൂപയുടെ
ചുമത്തിയ ദത്താത്മരതി ലഭ്യമാക്കുകയോ അല്ലാത്ത പക്ഷം
അനുബന്ധ വരുന്ന 6,22,000/- രൂപ നഗരസഭയുടെ തസ്തികയിൽ
നിന്നും ചിലവഴിക്കുകയോ ചെയ്യുന്നതിനുള്ള
തിരുമാനത്തിനായി സർക്കാരിനോട് അഭ്യർത്ഥിക്കുന്നു.
ഉത്തരവിനായി

12/12/18

29/12/18

എക്ഷി സൂര്യനെയും - ഒന്നിനെയും 05/12/18 ലെ

[illegible][illegible]

2) നിലനിൽ നഷ്ട വിഴിവാകുന്നു. $\text{Expenditure} = 56,12,000$

(4) MLA துவ உணர்வு சபை நிர்வாகம் அங்கீகரிக்கப்படாததாகியிருப்பதால் உடனடி நடவடிக்கை எடுக்கப்பட வேண்டும்.

B.0

B2
14/12/18

1) A.S നൽകിയ 49,90,000/- രൂപയെക്കാളും 6,22,000/-

LA CAD Frob m/m

അധികാരികൾ വാസ്തവം അറിയാതെ അധികാരികൾ വാസ്തവം അറിയാതെ അധികാരികൾ വാസ്തവം അറിയാതെ

അധികാരികൾക്ക് അറിയാത്തതും, അല്ലാത്തതും അധികാരികൾക്ക് അറിയാത്തതും

(10)

മുൻപ് ഉപയോഗിച്ചിരുന്ന, Endorse ചെയ്തുകൊടുത്ത
ചെക്ക്. ക്ഷേമി ആക്ട് അനുസരിച്ച്.

30	14/10/19	DB2	16/11/19	DB2	16/11/19	ACE2	16/11/19	CE
----	----------	-----	----------	-----	----------	------	----------	----

ചെക്കിന്റെ അടിസ്ഥാനത്തിൽ നൽകി കൊടുക്കേണ്ടതാണ്.
03/08/15 ന് ചെക്കിന്റെ മൂല്യം
₹ 49,90,000/- ആയിരുന്നു. ഇതിൽ നിന്ന്
₹ 6,22,000/- ന്റെ ചെക്കിന്റെ മൂല്യം കുറയ്ക്കുകയും
work done ന്റെ മൂല്യം കുറയ്ക്കുകയും ചെയ്തു. ഇതിന്റെ
Final bill നൽകി. അതിന്റെ അടിസ്ഥാനത്തിൽ
25/10/2019 ന് ചെക്കിന്റെ മൂല്യം കുറയ്ക്കുകയും
ചെയ്തു. ഇതിന്റെ അടിസ്ഥാനത്തിൽ
ചെക്കിന്റെ മൂല്യം കുറയ്ക്കുകയും ചെയ്തു.

16/11/19
18/11/19
18/11/19

മുൻപ് ഉപയോഗിച്ചിരുന്ന, Endorse ചെയ്തുകൊടുത്ത
ചെക്ക്. ക്ഷേമി ആക്ട് അനുസരിച്ച്.
11/19 DB2
25/11/19 ACE2
25/11/19 CE

Handwritten marks: a circle with a cross and a circled 'B'.

Ans: Lac-AOS containing deoxyribose

സംഗ്രഹം സം. 2000.1 ന്നിൽ സംഗ്രഹം

[illegible]

നമ്പർ: 1- 2021/2022
 നമ്പർ: 18/5/2020
 നമ്പർ: 18/5/2020
 നമ്പർ: 18/5/2020

100412/KRE/3118/2015

2. LSGD 2 Ind. dan Manjans 25/04/2018 dan
 Doc. E7/4000/18/CE/LSGD mmr 1000000000

മുൻപിലെ കോലി മണ്ണിനെ മൂടുക.

1. ഗുണമേന്മയുള്ളതും സുഗന്ധമുള്ളതും ഉള്ള പൂക്കളെയാണ് പൂക്കളെന്ന് വിളിക്കുന്നത്. പൂക്കളെ പൂക്കളായി വിളിക്കുന്നത് പൂക്കളെന്ന് വിളിക്കുന്നത് പൂക്കളെന്ന് വിളിക്കുന്നത്.

നമ്മുടെ പദ്ധതിയുടെ ഭാഗമായി 28,59,315 രൂപ
 അനുവദിച്ചിട്ടുണ്ട്. ഇതിൽ 2000 രൂപ
 അനുവദിച്ചിട്ടുണ്ട്. ഇതിൽ 2000 രൂപ
 അനുവദിച്ചിട്ടുണ്ട്. ഇതിൽ 2000 രൂപ
 അനുവദിച്ചിട്ടുണ്ട്. ഇതിൽ 2000 രൂപ

2. 12052
 ബന്ധുക്കൾക്ക് സൗകര്യമുള്ള വിവിധ വിഭാഗങ്ങൾക്ക്
 12052 ന്റെ വിവിധ വിഭാഗങ്ങൾ
 വിവിധ വിഭാഗങ്ങൾക്ക് സൗകര്യമുള്ള വിവിധ വിഭാഗങ്ങൾ

~~281~~
~~11/6/20~~

Ans $\frac{15}{16} \times 20$ SS

①

4773453 | 2 mo | 2 months 21 days old.

Any and all other Tender Variations shall be as follows:

12
1. താഴെ നൽകിയ Part-Bill നോക്കുക

28,59,315/2 തുക വാങ്ങിയതിന്റെ

16,59,761/2 തുകയ്ക്ക് വിദ്യുച്ഛക്തി നൽകിയിരിക്കുന്നു.

(2) electrical system ന്റെ ഏർപ്പാട് ചെയ്തതായി

നോക്കിയിട്ടുണ്ടെന്നായിരിക്കണം.

(3) M-book No & Date - തീർച്ചയായും പരിശോധിക്കുക

(4) പ്രവർത്തന ബോർഡ് -ൽ സമയം നൽകുന്നതായിരിക്കണം.

2. പ്രവർത്തന ബോർഡ് നൽകിയതിന്റെ തീയതിയിൽ
നിയമം 2017-ൽ ഏർപ്പാട് ചെയ്തതായിരിക്കണം.
പ്രവർത്തന ബോർഡ് നൽകിയിരിക്കണം.

20/07/2020
DBL

M-book No. & Date തീർച്ചയായും
പരിശോധിക്കുക. ~~നോക്കുക~~ Measurement അവസാനിപ്പിക്കുക
പോലെയുള്ളതായിരിക്കണം,
തീർച്ചയായും പരിശോധിക്കുക. ~~നോക്കുക~~
നോക്കുക.

20/07/2020
DBL

3. പ്രവർത്തന ബോർഡ് നൽകിയതിന്റെ തീയതിയിൽ
electrification പ്രവർത്തനം നടപ്പിലാക്കുന്നതിന്
final bill തയ്യാറാക്കി നൽകിയിരിക്കണം.
തയ്യാറാക്കിയ പദ്ധതിയനുസരിച്ച്,
തീയതിയിൽ M-Book No & date പരിശോധിക്കുക
നൽകിയതിനുശേഷം നൽകുന്നതായിരിക്കണം.
പ്രവർത്തന ബോർഡ് നൽകിയിരിക്കണം.

03/07/2020
AEE-2

15/07/2020
EE A/c

16/7/20
DBL

16/7/20
DBL

43

അടയ്ക്കൽ വേലക്കാരനായ ഫാ. ജോസ്

~~2/8/20~~

~~5/2/20~~

~~12/8/20~~

55

8/0

11/9/28

Reference

Received
11/9/20

1945

70

 ~~$\frac{1}{2}$ by~~

15/7/19
LR NO: MOA12/KREI/
mg-21m: Kochi Municipal Corporation
3118/2015 Dated 10/7/2020

[illegible]

ABI

23/9/21

3) ഗ്രന്ഥം ലഭ്യമാക്കി 5/6/20 ന് മുമ്പായി
 തിരുവനന്തപുരം ജില്ലാ പരിഷ്കാര
 സമിതിയിലേക്ക് 01/10/20 ന് കൊടുത്തിട്ടുണ്ട്.
 അതിന്റെ കടം നൽകിയിട്ടുണ്ട്. ~~അത്~~
 പുതിയ കോപ്പി നിർമ്മാണം ആവശ്യമാകുന്നതിനാൽ
 (Hard copy) കടം കൊടുക്കുക പറ്റാതിരിക്കാൻ
 മുമ്പായി മാർഗ്ഗരേഖകൾ നിർമ്മാണം ആവശ്യമാകുന്നതാണ്.
 അതിനാൽ അതിന്റെ ഗ്രന്ഥം തയ്യാറാക്കി
 മുമ്പായി കൈമാറുന്നതിനായി വേണ്ട കടം
 നൽകിയിട്ടുണ്ട്.

(24)

എറണാകുളം - ന്യൂനതാ വിവരങ്ങൾ ഉൾക്കൊള്ളുന്ന
 നോക്കൗട്ട് 1659761/2 ന്റെ അന്തിമ വിവരങ്ങൾ
 കീഴെ നൽകുന്നു

Bn
 23/09/21

DOZ.

അഥവാ

CE ന്റെ അന്തിമ Bn

റിമിറ്റഡ് ന്യൂനതാ 1659761/2 =

ന്യൂനതാ അനുവദിക്കാൻ പാടില്ലാത്ത
 അനുവദിക്കാൻ പാടില്ലാത്ത

Trsd. 4519

Almnt. 2859

Siml. 1659761

2019/21

Trsd

Received
 Rs 56,12,000.
 Excess 6,22,000
 from own fund.

Trsd { 45,19,076
 from fund { 29,59,515
 Bal 16,59,761

Sec: already
 completed
 crg out fund

Trsd 2nd 2nd CE
 in final bill 23

Requisition 12,000.

16,59,761 അനുവദിക്കാൻ

മേറ്റിംഗ് 259

2019/2021

1/10 CB

23/5310/2020/EE/LEAD dtd 01/10/2021

അനുവദിക്കാൻ പാടില്ലാത്ത 1659761/2 ന്റെ അന്തിമ വിവരങ്ങൾ

Online അനുവദിക്കാൻ പാടില്ലാത്ത

2019/2021

3902
26/3/18



1954

കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ

ഫോൺ 2369007, 2369196
2369143, 2369149
2369197, 2369069
ഫാക്സ് 91484-2369023

കോർപ്പറേഷൻ ഓഫീസ്
പി.ബി നമ്പർ 1061
എറണാകുളം, കൊച്ചി 682 011

KRE1-3118/15

Date: 22/03/2018

ചീഫ് എഞ്ചിനീയർ,
തദ്ദേശസ്വയംഭരണ വകുപ്പ്,
തിരുവനന്തപുരം.

സർ,

വിഷയം: കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ- അക്കൗണ്ടൻ്റ് വിഭാഗം -
എം.എൽ.എ.എ.ഡി.എസ്. പാർട്ട് ബിൽ തുക അനുവദിക്കുന്നതു
സംബന്ധിച്ച്.

സൂചന: ലോക്കൽ സെൽഫ് ഗവൺമെൻ്റ് ഡി.ബി.ഡിപ്പാർട്ട്മെൻ്റ് തിരുവനന്തപുരം,
3.8.2015 തീയതിയിലെ G.O.(Rt) No.2379/15/LSAGD നമ്പർ ഉത്തരവ്.

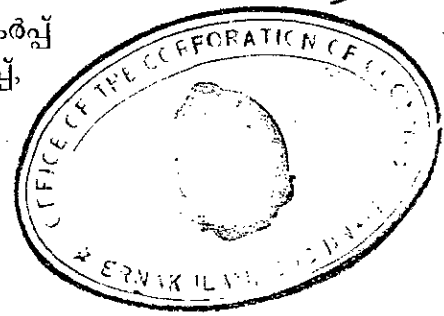
ബഹു.തൃക്കാക്കര എം.എൽ.എ.ശ്രീ.ബെന്നി ബഹുനാൽ അവർകളുടെ ആസ്തി
വികസന പദ്ധതി (LAC-ADS) യിൽ ഉൾപ്പെടുത്തി നഗരസഭ 46-ാം ഡിവിഷനിൽ വെണ്ണല ഗവ.
എൽ.പി.സ്കൂൾ കെട്ടിടത്തിൽ പുതിയ ക്ലാസ് മുറികൾ നിർമ്മിക്കുന്ന പ്രവൃത്തിക്കായി
49,90,000/- രൂപ സൂചന പ്രകാരം അനുവദിച്ചതിൻ്റെ അടിസ്ഥാനത്തിൽ മേൽ പ്രവൃത്തിയുടെ
ഒന്നാംഘട്ടം കരാറുകാരനായ ശ്രീ.ജയ്മോൻ ജെയിംസ് എന്നയാൾ പൂർത്തിയാക്കിയിട്ടുള്ളതും
ആയതിനുള്ള പാർട്ട് ബില്ലായി എല്ലാ നികുതികളടക്കം 28,52,315 /- രൂപയുടെ ബിൽ
സമർപ്പിച്ചിട്ടുള്ളതുമാണ്. ബിൽ തുക കരാറുകാരന് അനുവദിക്കുന്നതിലേയ്ക്കായി
പ്രവർത്തിയുടെ ഒന്നാംഘട്ടം പൂർത്തിയായതിൻ്റെ ബില്ലും അനുബന്ധ രേഖകളും സഹിതം
ഇതോടൊപ്പം സമർപ്പിക്കുന്നു.

വിശ്വസ്തതയോടെ,

സെക്രട്ടറി

ഉള്ളടക്കം:

- 1) ഗവൺമെൻ്റ് ഉത്തരവിൻ്റെ പകർപ്പ്
- 2) വർക്ക് 1st പാർട്ട് ബിൽ പകർപ്പ്,
- 3) റിക്വസിഷൻ ഫോം.
- 4) ക്ലാസ് മുറികൾ സർട്ടിഫിക്കറ്റ്,
- 5) ഉത്തരവ് - 2



No: 3902

Revised

ANNEXURE C - FORM III

(See para 7.1 of the G.O(p) No.177/06/Fin .Dated 12-4-2006)

REQUISITION FOR RELEASE OF FUNDS TO IMPLEMENTING OFFICER

Requisition No

- 03

Date

- 22-03-2018

Name of LSGI

- Kochi Municipal Corporation

Code of LSGI

- CO 70100

Name of implementing Officer

- K.D. Ajayagosh

Designation of Officer

- Superintending Engineer

Amount requested

- Rs. 28,59,315/-

Project Name and Number

- KREI-3118/15
Construction of Vennala GLPS Building

Project cost

- 4990000/-

Category of fund A / B / C

-

Sector (General / SCP / TSP)

-

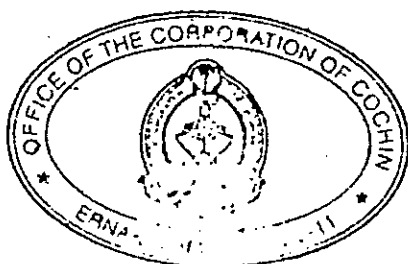
DPC approved number and date :- KREI-3118/15

Purpose in brief

- Construction of Classroom building
in Government HP School, Vennala,
in Cochin Corporation div no: 46.

Place :- Kochi

Date :- 4-4-2018



cm
SUPERINTENDING ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN

No: 3902

Revised.

തദ്ദേശസ്വയംഭരണ വകുപ്പ് - കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ - സുപ്രണ്ടിംഗ് എഞ്ചിനീയറുടെ ഉത്തരവ് നടപടി ക്രമം

(ഹാജർ : ശ്രീ. ഐ.ഡി. അജയലോഷ്)

വിഷയം: തദ്ദേശസ്വയംഭരണ വകുപ്പ് - എഞ്ചിനീയറിംഗ് വിഭാഗം - എം.എൽ.എ. - ആസ്തി വികസന ഫണ്ട് - കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷനിലെ 46-ാം ഡിവിഷനിലെ വെണ്ണല ഗവ. എൽ.പി.സ്കൂൾ പുതിയ ക്ലാസ് കെട്ടിടം നിർമ്മാണ പ്രവർത്തിയുടെ 1-ാം പാർട്ട് ബിൽ തുക കരാറുകാരന് നൽകുന്നത് സംബന്ധിച്ച്.

KREI-3118/15

കൊച്ചി-11, തീയതി: 22.03.2018.

- സൂചന: 1) തീരുവനന്തപുരം ലോക്കൽ ട്രൈൽവേ ഗവൺമെന്റ് ഡിപ്പാർട്ട്മെന്റിന്റെ 3.8.2015 തീയതിയിലെ G.O.(RI) No.2379/15/LSGD നമ്പർ ഉത്തരവ്.
2) നഗരസഭ സുപ്രണ്ടിംഗ് എഞ്ചിനീയറുടെ 9.6.2017 തീയതിയിലെ 19/16-17 നമ്പർ ടി.എസ്.
3) കൊച്ചി നഗരസഭയുമായുള്ള 9.2.2017 തീയതിയിലെ 1164/16-17 നമ്പർ എഗ്രിമെന്റ്
4) നഗരസഭാ സുപ്രണ്ടിംഗ് എഞ്ചിനീയറുടെ 7.1.2016-ലെ 1486/15-16 നമ്പർ എഗ്രിമെന്റ്.
5) ഈ ഓഫീസിലെ 22.3.2018-ലെ KREI/3118/15-ാം നമ്പർ കത്ത്.

ഉത്തരവ്.

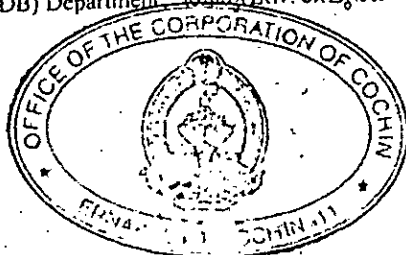
കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ തുടക്കം മണ്ഡലത്തിൽ ഉൾപ്പെട്ട 46-ാം ഡിവിഷനിലെ വെണ്ണല ഗവൺമെന്റ് എൽ.പി.സ്കൂൾ പുതിയ ക്ലാസ് മുറി കെട്ടിടം നിർമ്മിക്കുന്ന പ്രവൃത്തിക്കായി ശ്രീ.ബെന്നി ബഹനാൻ എം.എൽ.എ.യുടെ ആസ്തി വികസന പദ്ധതി (LAC-ADS) യിൽ ഉൾപ്പെടുത്തി 49,90,000/- രൂപയുടെ എസ്റ്റിമേറ്റ് LSGD മുഖാന്തിരം തയ്യാറാക്കി സമർപ്പിക്കുന്നു.

ഈ പദ്ധതി നിർവ്വഹണം നടത്തുന്നതിനായി തീരുമാനിക്കുകയും ടി വിഷയം സൂചന (1) പ്രകാരം LAC-ADS-ൽ ഉൾപ്പെടുത്തി ഗവ. അഡ്മിനിസ്ട്രേറ്റീവിന്റെ അനുമതിയും ലഭിച്ചിട്ടുണ്ട്. അതനുസരിച്ച് സൂചന (2) പ്രകാരം ടെക്നിക്കൽ അനുമതിയും സൂചന (3) പ്രകാരം പ്രവൃത്തി ഏറ്റെടുത്ത കരാറുകാരൻ എഗ്രിമെന്റ് സമർപ്പിക്കുകയും നഗരസഭ അസി. എൻജിനീയറുടെ മേൽ നോട്ടത്തിൽ പ്രവൃത്തിയുടെ ഒന്നാം ഘട്ടം തുപ്തികരമായി പൂർത്തിയാക്കി ആദ്യ പാർട്ട് ബിൽ എല്ലാ നികുതിയുടെ ഉൾപ്പെടെ 29,32,631/- രൂപയുടെ ബിൽ തയ്യാറാക്കി സൂചന (4) പ്രകാരം സമർപ്പിച്ചിട്ടുണ്ട്. കരാറുകാരൻ ക്വാട്ട് ചെയ്ത തുക 5.34% below നിരക്കിലാണ്.

ആയതിനാൽ 29,32,631/- രൂപയിൽ റീടെൻഷൻ തുക 73316/- രൂപ കിഴിച്ച് ബാക്കി 28,59,315/- രൂപയ്ക്ക് അലോട്ട്മെന്റ് വാങ്ങി 4515-00-800-96 Project under LAC-ADS (NP) എന്ന ശീർഷകത്തിൽ നിന്നും പിൻവലിച്ച് ഏറ്റെടുത്ത ജില്ലാ ട്രഷറിയിൽ നിന്നും പാസാക്കി പ്രസ്തുത പ്രവർത്തിയുടെ കരാറുകാരനായ ശ്രീ.ജയ്മോൻ ജെയിംസ് പേർക്ക് നൽകുന്നതിന് ഇതിനാൽ ഉത്തരവാകുന്നു.

- പകർപ്പ്: 1) ബഹു.ജില്ലാ കളക്ടർ, എറണാകുളം.
2) ട്രഷറി ഓഫീസർ, ജില്ലാ ട്രഷറി, കൊച്ചി
3) ചീഫ് എൻജിനീയർ, LSGD തീരുവനന്തപുരം.
4) LSGD (DB) Department തീരുവനന്തപുരം.

സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ
SUPERINTENDING ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN



GOVERNMENT OF KERALA..... L S GDEPARTMENT

Division / Circle.....Corporation of Cochin

Division..... Vyttila

on.....Engineering

Bill Register No:

RUNNING ACCOUNT BILL

(For Contractor :- This form provides for [1] Secured Advance and payment for measured Work)

1 Book Voucher No:

Name of the Contractor:

Jaimon James

Name of work and Head of Account:

KRE1 - 3118/15**Construction of Class Room Building at Govt. L P School,
Vennala in Div - 46**

Serial No. of this bill:

C C 1st part Bill

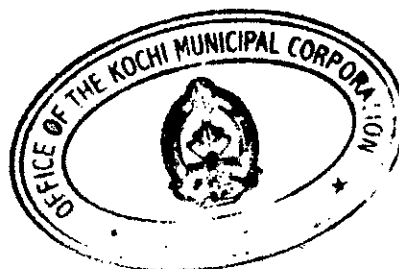
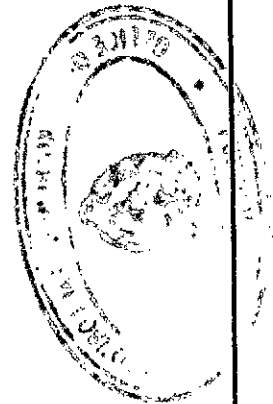
Date and date of the previous bill for the work

Reference to agreement:

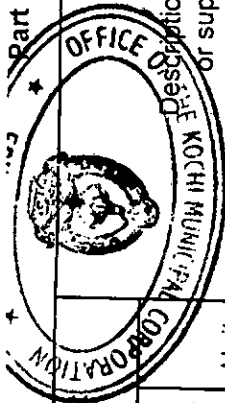
1164/16-17

Date of Written order to commencement of work:

Date of actual completion of work:

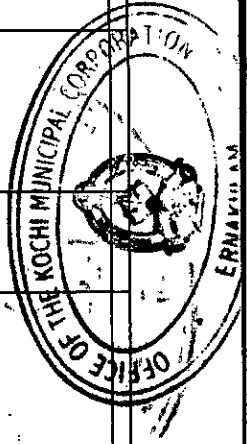


Part I - Amount of work Executed



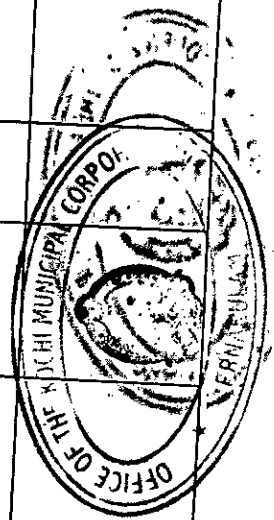
er estimate	As per Agreement No: 1164/16-17			Description of work done or supplies made			Reference to measurement Book		Quantity of work or supplies made		Value at Agreement rates of work done or supplies made	
	Number Quantity or Weight	Rate Rs. Ps.	Number Quantity or Weight	Unit	7	8	Book No.	Page:	Upto date	Since last bill	Rs. Ps.	Since last bill Rs. Ps.
3		4	5	6					9	10	11	12
						Appendix A						
85.50		227.90	85.50	m ³		2.8.1 Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	1033/16-17	74	85.50 /		19,493.14	/
30.50		6226.34	30.50	m ³		4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering -All work upto plinth level:1:4:8 (1 Cement:4 coarse sand: 8 graded stone aggregate 40mm nominal size)	"	75	30.50 /		189,903.37	/
36.00		5671.84	36.00	m ³		7.1.1 Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with :Cement mortar 1:6 (1 cement:6 coarse sand)	"	76	36.00 /		204,186.24	/
52.50		5976.03	52.50	m ³		OD Cement solid block masonry with cm 1:6 using best quality block of size 40x20x15 cm including cost and conveyance etc. complete	"	76	52.50 /		313,741.57	/
32.00		284.38	32.00	m ²		5.9 Centering and shuttering including strutting, propping etc. and removal of form for:	"	77	30.72 /		8,736.15	/
350.00		581.42	350.00	m ²		5.9.1 Foundations, footings, bases of columns, etc. for mass concrete	"	77	238.87 /		138,883.79	/
325.00		480.82	325.00	m ²		5.9.3 Suspended floors, roofs, landings, balconies and access platform	"	78	325.00 /		156,266.50	/
149.00		656.26	149.00	m ²		5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers	"	79	149.00 /		97,782.74	/
11.00		572.74	11.00	m ²		5.9.6 Columns, Pillars, Piers, Abutments, Posts and Struts	"	79	11.00 /		6,300.14	/
183.00		168.50	183.00	m ²		5.9.7 Stairs, (excluding landings) except spiral staircases	"	80	16.28 /		2,743.18	/
						5.9.16.1 Edges of slabs and breaks in floors and walls Under 200 cm wide	"					
							"	80	50.12 /		35,721.52	/
			50.70	m ²		5.9.19 Weather shade, Chajjas, corbels etc., including edges	"				306,892.74	/

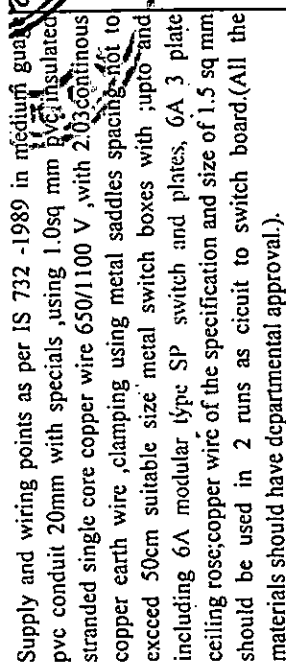
2	50.70	712.72	50.70	m ²	5.9.19 Weather shade, Chajjas, corbels etc., including edges	"	80	50.12	35,721.52	/
3	44.50	9018.83	44.50	m ³	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level: 1:1.5:3 (1 cement:1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	"	81	34.028	306,892.74	/
75	8.00	10240.75	8.00	m ³	5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string course, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement. 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	"	82	6.55	67,025.70	/
2	65.20	9812.12	65.20	m ³	5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	"		0.00	-	
	13150.00	98.58	13150.00	kg	5.2.2.6 Reinforcement work for RCC work using Thermomechanically treated bars bent tied and placed in position. For covering slab and strut.	"	83	9596.479 9596.409	946,020.89 946,013.99	
5	903.00	236.46	903.00	m ²	13.1.1 Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick	"	84	871.51	206,077.25	/
3	450.00	194.99	450.00	m ²	13.16.1 Plastering with cement mortar 1:3 (1 cement:3 fine sand), 6mm thick including a neat cement flushing coat	"	84	395.474 390.249	77,113.47 76,094.65	
4	57.00	1136.94	57.00	m ²	11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	"		0.00	-	
3	21.00	1211.13	21.00	m ²	11.36 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry@3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	"		0.00	-	



100.50	162.71	100.50	m ³	2.25 * Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m	16,352.35			
1326.00	51.89	1326.00	m ²	13.43 Applying one coat of cement primer of approved brand and manufacture on wall surface:	0.00			
1326.00	137.44	1326.00	m ²	13.47.1 Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Exterior New work (Two or more coats applied @ 1.43 ltr/10sqm. Over and including base coat of water proofing cement paint applied @2.20 kg/10sqm).	0.00			
2 1.20	88659.72	1.20	m ³	50.9.1.1 Providing wood work in frames of doors & windows clear story windows and another frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fasteneshall be paid for separately) using Anjily/Jack wood	1.148	86		101,781.35
39.00	2329.98	39.00	m ³	50.9.3.1 Providing & fixing paneled or paneled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright finished of required size with n necessary screws excluding paneling which will be paid for separately as for separately all complete as per direction of engineering in charge using Anjily/Jack wood.	11.312 22.872	86		53,291.30 2,635,673
21.10	2017.77	21.10	m ²	5.9.4.1 Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clestory windows (area of opening for p anel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Anjily/Jack wood	0.00			
128.00	169.87	128.00	E	9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x 15 cm 1:3:6 mix (1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size).	90.00	87		15,288.30
370.00	130.42	370.00	kg	10.25.2 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	370.00	87		48,255.40
				13.48.2 Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers instructions	0.00			

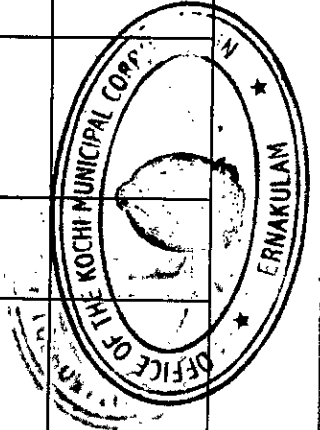
127.67	111.00	127.67	111.00	m ²	13.48.2 Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications Painting wood work with Deluxe Multi Surface paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand and manufacture	"	0.00		
84.90	12.00	84.90	12.00	E	9.63.2 Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm	"	10.00	Not done	-849.00
100.75	6.00	100.75	6.00	E	9.65.1 Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:5930 with screws etc. complete: 300x20x6 mm	"	5.00	Not done	-503.75
292.27	2.30	1292.27	2.30	m ³	15.2.1 Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	"	2.27		2,933.45
76.90	16.10	796.90	16.10	m ³	15.2.2 Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	"	16.06		12,798.21
4.47	15.00	204.47	15.00	E	15.12 Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead	"	15.00		3,067.05
91	1169.00	9.91	1169.00	m	15.14.2 Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres	"	1169.00		11,584.79
.97	248.00	111.97	248.00	m ²	15.31 Dismantling tiled roofing with betters, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	"	248.00		27,768.56
.63	48.00	1091.63	48.00	m ³	15.7.4 Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in cement mortar	"	47.88		52,267.24
9	111.00	47.69	111.00	m ²	13.50.1 Applying priming coat: with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	"	71.11		3,391.23

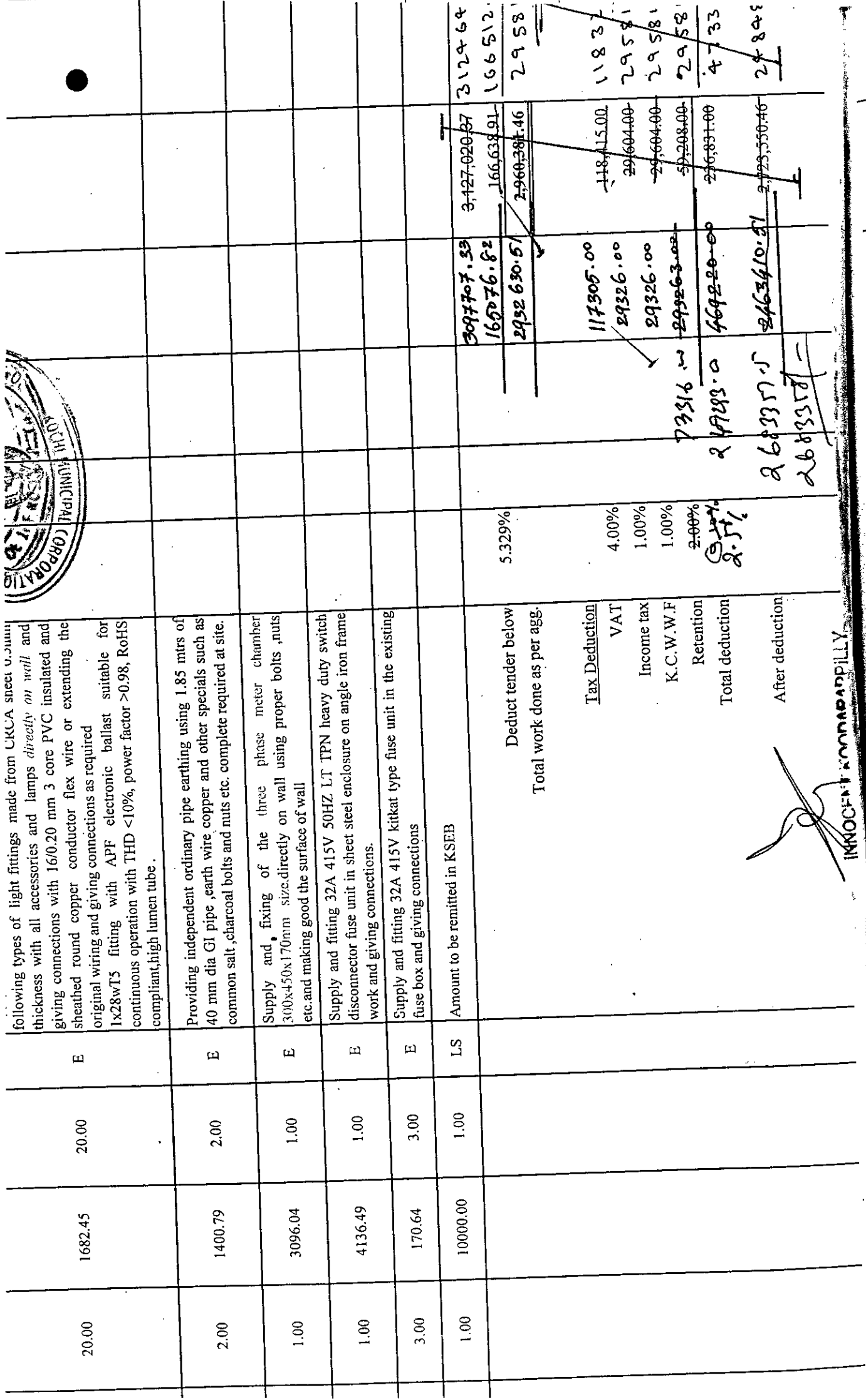




	26.00	800.05	26.00	E	
	5.00	781.65	5.00	E	
	11.00	479.57	11.00	E	
	20.00	1291.35	20.00	E	
	110.00	63.27	110.00	m	
	77.00	72.95	77.00	m	
	21.00	76.41	21.00	m	
	1.00	180.68	1.00	m	
	101.00	26.68	101.00	m	
	43.00	126590.85	43.00	1000 M	
	43.00	54.29	43.00	m	
	2.00	275.20	2.00	E	

Sl. No.	Qty	Rate	Amount	Unit	Description
29	43.00	54.29	43.00	m	Laying charges of UG cable upto 25 sq-mm size through the wall, by clamping the cable using proper saddles, screws etc. complete required.
20	2.00	275.20	2.00	E	Supply and providing cable gland suitable 10 Sq mm armoured aluminium cable and making end termination
17	5.00	221.17	5.00	E	Supply and fixing of Cover frame & Grid frame for modular switches and accessories, surface box with front plate and making good the surface of the wall, colour washing etc.
12	1.00	237.12	1.00	E	2 Module surface box with front plate
22	5.00	299.22	5.00	E	3 Module surface box with front plate
54	10.00	132.64	10.00	E	6 Module surface box with front plate
44	20.00	169.44	20.00	E	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A)
54	1.00	183.54	1.00	E	6 A SP 1 way switch
54	1.00	247.94	1.00	E	6A2M 3pin plug
54	1.00	3247.54	1.00	E	16A SP one way switch
54	1.00	3247.54	1.00	E	6/16A Socket
54	1.00	3247.54	1.00	E	Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB, isolator etc. including providing blanking plates in the blanking slots, fixed on wall 4 way (8+12)
2	1.00	858.82	1.00	E	Supply and fixing the following rating of MCB isolators and giving connections.
2	12.00	203.72	12.00	E	40A 4Pole
2	1.00	2802.32	1.00	E	Supply and fixing the following rating of MCB and giving connections.
2	1.00	2802.32	1.00	E	6 to 32A SP MCB
2	1.00	2802.32	1.00	E	Supply and fitting following type and ratings of in the existing Distribution board including connections.
4	20.00	223.04	20.00	E	RCCB 4 pole 40A, 30mA
4	20.00	1836.44	20.00	E	Supply and fitting MS rod type fan clamp for RCC slab neatly painted with two coats of enamel paint
4	20.00	1836.44	20.00	E	Supply conveyance, installation, testing and commissioning of 1200 mm swap Ac ceiling fan (B Category) using standard accessories, wiring the down rod with 16/02mm pvc insulated and pvc sheathed 650/1100V grade 3 core round copper conductor flex





INNOCENT KONDAPPILLY

OVERSEER 13

Net amount

[Signature]
Rajankumar

2162 1/2 11.00	27,23,550.00	2484
----------------	-------------------------	-----------------

K. G. Prabhakaran
K.M.C. II

OVERSEER

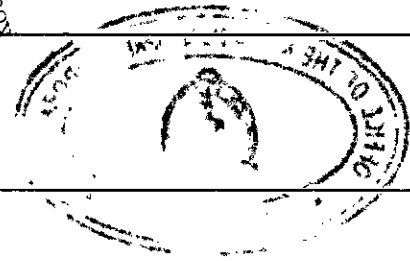
[Signature]
C. SUDHAKARAN
(M)
Kochi Municipal Corporation

Net amount

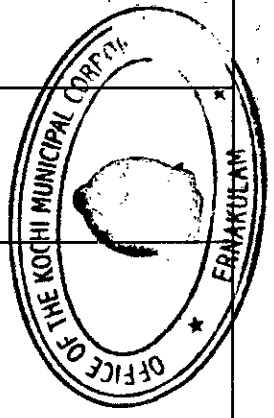
2463411.00 - 27,23,550.00

24848

checked



[Signature]
MURALEE MOHANAN E.K.
Assistant Executive Engineer
L.S.G.D.
Kochi Municipal Corporation

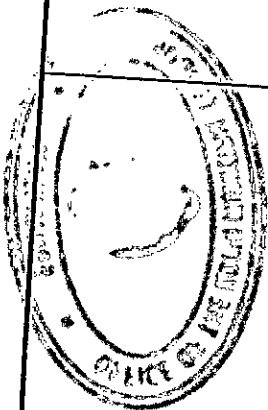


ACCOUNTS SECTION

Certified that the measurements were made by me on 31-05-17
 and are recorded on pages 74-93 of Measurement Book No. 1033/16-17
 and that the work has been executed satisfactorily and that the bills claimed above represents a correct
 Account of contractor's claims and liabilities

[Signature]

SUDHAKARAN
 Assistant Engineer
 Kochi Municipal Corporation
 Rank.....



B. REMARKS BY CHECK MEASURING OFFICER

*Check measurement P-1 to 73 of MB
 33/16-17 dt 31/5/17*

[Signature]

Sub Divisional Officer

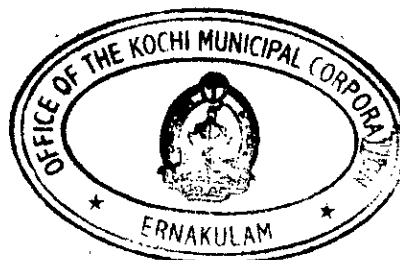
SUPERINTENDING ENGINEER
 LSGD

MUNICIPAL CORPORATION OF COCHIN

[Signature]
 Sub Divisional Officer

C. AUDIT SECTION

Checked again the calculation and verified the rate against the contract shedule quantities against
 estimate provision and issus against sanctioned data.



Accountant

Accountant

Pa

Pa

Date

Rs...

Part IV - MATERIALS ACCOUNT

[illegible]

s not provide for in the agreement are issued vide paragraph 359 recovery should include storage charges vide paragraph 350 of the K.P.W.A. Code paragraph 358 of the K.P.W.A. Code.

Officer measuring

Accountant

Audit Section.

Signature _____

SUDHAKARAN

of the Contractor.....
at the time of payment

Date:

3118/15



GOVERNMENT OF KERALA
Abstract

Local Self Government Department- LAC-ADS -- Thrikkakkara Legislative Assembly constituency, 'Construction of classroom building for Govt LP School, Vennala' -Administrative sanction accorded-Orders issued.

LOCAL SELF GOVERNMENT (DB) DEPARTMENT

G.O.(Rt)No. 2379/15/LSGD

Thiruvananthapuram, Dated, 03/08/2015.

Read:-

- 1) G.O.(P)No. 332/12/Fin dated 11/06/2012.
- 2) Letter No. DB2/ 4425 /15/CE/LSGD dated 25/05/2015 from the Chief Engineer, Local Self Government Department, Thiruvananthapuram.

ORDER

As proposed by Sri Benny Behanan, MLA, representing Thrikkakkara Legislative Assembly Constituency, the Chief Engineer, Local Self Government Department, as per the letter read as 2nd paper above has furnished detailed estimate for the work 'Construction of classroom building for Govt LP School, Vennala' at an estimate cost of Rs. 49,90,000/- (Rupees Forty Nine Lac Ninety Thousand Only) under LAC ADS according Administrative Sanction.

Government have examined the matter in detail and are pleased to accord administrative sanction for the work 'Construction of classroom building for Govt LP School, Vennala' at an estimate cost of Rs. 49,90,000/- (Rupees Forty Nine Lac Ninety Thousand Only) under LAC ADS of Sri Benny Behanan, MLA, representing Thrikkakkara Legislative Assembly Constituency with special sanction to take up the work in execution following all departmental formalities and in tune with the guidelines laid in the Government Order read as 1st paper above and subsequent Government orders.

The expenditure in this regard shall be debited to the Head of Account "45 800-96 Projects under LAC-ADS (NP)".



(By Order of the Governor)

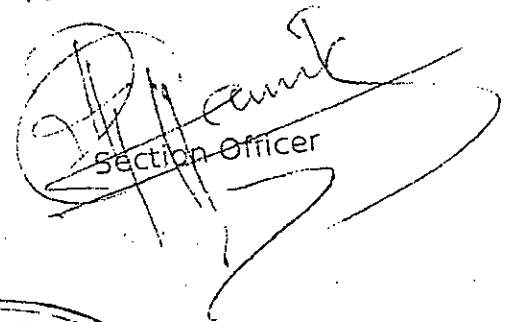
K.S.SOBHANA

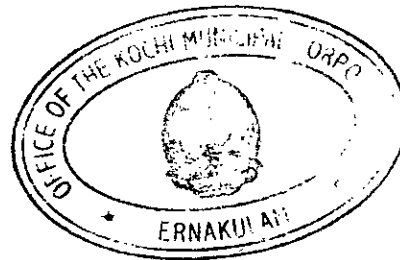
Joint Secretary to Government

To

The Chief Engineer, Local Self Government Dept. Thiruvananthapuram
The Headmaster Govt LP School, Vennala, Cochin, Ernakulam District.
The Principal Accountant General (A&E/Audit),
Kerala, Thiruvananthapuram.
The Accountant General (LBA&A), Kerala, Thiruvananthapuram.
The Director IKM, Thiruvananthapuram.
The Finance Dept (vide U.O.(f) No.46953 /NCB3/2015Fin. Dtd,27.06.2015.)
Stock File/ Office copy

Forwarded / By Order


Section Officer



തദ്ദേശസ്വയംഭരണ വകുപ്പ് ചീഫ് എഞ്ചിനീയറുടെ നടപടി ക്രമം
ഹാജർ : ശ്രീ.പി.ആർ.സജികുമാർ

വിഷയം:- തസ്വഭവ - എഞ്ചിനീയറിംഗ് വിഭാഗം - MLA - LAC-ADS എറണാകുളം ജില്ല തൃക്കാക്കര നിയോജകമണ്ഡലത്തിലെ Construction of Classroom building in Government LP School, Vennala in Cochin Corporation നിർമ്മാണ പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട് (CC1st & Part bill) - ഫണ്ട് അനുവദിച്ചു ഉത്തരവ് പുറപ്പെടുവിക്കുന്നത്

സൂചന:- 1) ജി.ഒ(ആർ.റ്റി) നം. 2379/15/എൽ.എസ്.ജി.ഡി തീയതി 03.08.2015
 2) കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ സുപ്രണ്ടിംഗ് എഞ്ചിനീയറുടെ കത്ത് നം. KRE-3118/15 dated 22.03.2018

ഉത്തരവ് നം. 27/4000/18/സിഇ/എൽ.എസ്.ജി.ഡി (27) തീയതി 25.04.2018

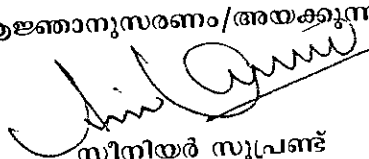
സൂചന (1) സർക്കാർ ഉത്തരവ് പ്രകാരം എറണാകുളം ജില്ല തൃക്കാക്കര നിയോജകമണ്ഡലത്തിലെ Construction of Classroom building in Government LP School, Vennala in Cochin Corporation നിർമ്മാണ പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട് ബഹു. Sri.Benny Behanan (Ex) എം.എൽ.എ അംഗങ്ങളുടെ അസംബ്ലി മണ്ഡല ആസ്തി വികസന ഫണ്ടിൽ നിന്നും 49,90,000/- രൂപ (നാൽപ്പത്തിയൊൻപത് ലക്ഷത്തി തൊണ്ണൂറായിരം രൂപ മാത്രം) അനുവദിക്കുകയും ആയത് 4515-00-800-96 Projects under LAC-ADS (NP) എന്ന ശീർഷകത്തിൽ നിന്ന് വഹിക്കുന്നതിന് ഭരണാനുമതി നൽകിയിരുന്നു.

സൂചന (2) ലെ കത്ത് പ്രകാരം ടി നിർമ്മാണ പ്രവൃത്തി ഭാഗികമായി പൂർത്തിയാക്കിയതായും ഇതിന്റെ പാർട്ട് ബിൽ തുകയായി 28,59,315/- രൂപ (CC1st & Part bill) അനുവദിച്ചു നൽകണമെന്ന് കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ അഭ്യർത്ഥിച്ചിട്ടുണ്ട്. കൂടാതെ ബില്ലിന്റെ പകർപ്പും ഹാജരാക്കിയിട്ടുണ്ട്.

മേൽ സാഹചര്യത്തിൽ ടി രേഖകൾ വിശദമായി പരിശോധിച്ചതിന്റെ അടിസ്ഥാനത്തിൽ എറണാകുളം ജില്ല തൃക്കാക്കര നിയോജകമണ്ഡലത്തിലെ Construction of Classroom building in Government LP School, Vennala in Cochin Corporation നിർമ്മാണ പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട് അസംബ്ലി മണ്ഡല ആസ്തി വികസന ഫണ്ടിൽ നിന്നും 28,59,315/- രൂപ (ഇരുപത്തിയെട്ട് ലക്ഷത്തി അൻപത്തിയൊൻപതിനായിരത്തി മൂന്നുറ്റി പതിനഞ്ച് രൂപ മാത്രം) (CC1st & Part bill) അനുവദിച്ചു കൊണ്ട് ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു. ടി തുക 4515-00-800-96 Projects under LAC-ADS (NP) എന്ന ശീർഷകത്തിൽ നിന്നും പിൻവലിക്കുന്നതിന് അനുമതി നൽകുന്നു. പൊതുമരാമത്ത് ചട്ടങ്ങൾ പാലിച്ചുകൊണ്ടാണ് ടി നിർമ്മാണ പ്രവൃത്തി നടത്തിയതെന്ന് ഉറപ്പ് വരുത്തേണ്ടതാണ്.

ഒപ്പ്
 ചീഫ് എഞ്ചിനീയർ

പകർപ്പ് : 1) കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ, എറണാകുളം ജില്ല
 2) ജില്ലാ ട്രഷറി/സബ് ട്രഷറി, എറണാകുളം ജില്ല
 3) ബിൽ/ഡിബി/സ്റ്റോക്ക് ഫയൽ

ആജ്ഞാനുസരണം/അയക്കുന്നത്

 സീനിയർ സുപ്രണ്ട്
 (അഡ്മിനിസ്ട്രേറ്റീവ് അസിസ്റ്റന്റിന്റെ പൂർണ്ണ അധിക ചുമതല)



കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ

ഫോൺ 2369007, 2369196
2369143, 2369149
2369197, 2369069
ഫാക്സ് 91484-2369023

കോർപ്പറേഷൻ ഓഫീസ്
പി.ബി നമ്പർ 1061
എറണാകുളം, കൊച്ചി 682 011

KRE1-3118/15

Date: 3/07/2018

പ്രിൻസിപ്പൽ സെക്രട്ടറി,
ഫിനാൻസ് നോഡൽ സെൻറർ,
സെക്രട്ടറിയേറ്റ്,
തിരുവനന്തപുരം.

സർ,

- വിഷയം: കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ- വൈറ്റില മേഖല - ബഹു.ബെന്നി ബെഹന്നാൻ എം.എൽ.എ.യുടെ ആസ്തി വികസന ഫണ്ടിൽ ഉൾപ്പെട്ട വെണ്ണല ഗവ: എൽ.പി.എസ്.കെട്ടിടം നിർമ്മാണം - റിവൈസ് എസ്റ്റിമേറ്റ് സംബന്ധിച്ച്.

സൂചന: തദ്ദേശസ്വയംഭരണ വകുപ്പിൽ നിന്നുള്ള 3.8.2015 (Rt) No.2379/15/LSGD നമ്പർ സർക്കാർ ഉത്തരവ്.

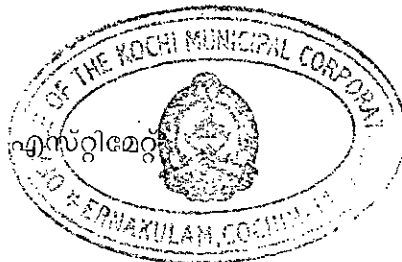
കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ- വെണ്ണല ഗവ: എൽ.പി.സ്കൂളിൽ ക്ലാസ് റൂ നിർമ്മിക്കുന്നതിനായി ബഹു.ബെന്നി ബെഹന്നാൻ എം.എൽ.എ.യുടെ ആസ്തി വികസന ഫണ്ടിൽ ഉൾപ്പെടുത്തി മേൽ സൂചന സർക്കാർ ഉത്തരവ് പ്രകാരം 49,90,000/- രൂപയുടെ പ്രവൃത്തിക്ക് ഭരണാനുമതി ലഭിച്ചിട്ടുള്ളതാണ്. എന്നാൽ ടി കെട്ടിടം നിർമ്മിക്കുന്നതിനായി set out ചെയ്തപ്പോൾ നിലവിലുള്ള പ്ലാൻ പ്രകാരം ടി സ്ഥലത്ത് നിർമ്മാണം നടത്താൻ കഴിയാത്തതിനാൽ സ്കൂൾ പി.ടി.എ.യുടെ തീരുമാനത്തിന്റെ അടിസ്ഥാനത്തിൽ കെട്ടിടത്തിന്റെ ഡിസൈനിൽ മാറ്റം വരുത്തിയാണ് ടി നിർമ്മാണം ആരംഭിച്ചിട്ടുള്ളത്.

ക്ലാസ് മുറികൾ നിർമ്മിക്കുന്നതിനായുള്ള എസ്.എസ്.എ. യുടെ നിലവിലെ മാർഗ്ഗ നിർദ്ദേശ പ്രകാരം, ടി പ്രവൃത്തിക്കായി ഭരണാനുമതി ലഭിച്ചിട്ടുള്ള പ്ലാനിൽ നിന്നും, വ്യത്യാസപ്പെടുത്തി കെട്ടിടത്തിലെ ക്ലാസ് മുറികളുടെ വലിപ്പം ഉയരം എന്നിവ വർദ്ധിപ്പിക്കേണ്ടി വന്നിട്ടുണ്ട്. കൂടാതെ നിലവിലുള്ള സർക്കുലറിന്റെ അടിസ്ഥാനത്തിൽ മേൽക്കൂര നിർമ്മാണത്തിന്റെ കോൺക്രീറ്റ് അനുപാതത്തിലും മാറ്റം വരുത്തിയിട്ടുണ്ട്. ടി വിധത്തിലുള്ള മാറ്റങ്ങൾ പ്രകാരം ഭരണാനുമതി ലഭിച്ചിരുന്ന 49,90,000/-രൂപയുടെ എസ്റ്റിമേറ്റ് 56,12,000/-രൂപ ആയി വർദ്ധിച്ചിട്ടുണ്ട്. ആയതിനാൽ വർദ്ധിപ്പിച്ച നിരക്കിൽ ഉള്ള എസ്റ്റിമേറ്റ് അംഗീകരിക്കുന്നതിനും, അധികമായി ആവശ്യമുള്ള 6,22,000/-രൂപ അനുവദിക്കുന്നതിനുമുള്ള നടപടികൾ സ്വീകരിക്കണമെന്ന് അപേക്ഷിക്കുന്നു. *നഗ്നം പക്ഷം നോക്കി ഫൈനലിൽ എടുക്കുന്നതിനും അനുമതി നൽകുന്നതിനും അപേക്ഷിക്കുന്നു*

വിശ്വസ്തതയോടെ,

പ്രിൻസിപ്പൽ സെക്രട്ടറി

ഉള്ളടക്കം: റിവൈസ്ഡ് എസ്റ്റിമേറ്റ്



3702/18

9415/18



കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ

ഫോൺ 2369007, 2369196
2369143, 2369149
2369197, 2369069
ഫാക്സ് 91484-2369023

കോർപ്പറേഷൻ ഓഫീസ്
പി.ബി നമ്പർ 1061
എറണാകുളം, കൊച്ചി 682 011

KRE1-3118/15

Date: 3/07/2018

ചീഫ് എഞ്ചിനീയർ,
തദ്ദേശസ്വയംഭരണ വകുപ്പ്,
തിരുവനന്തപുരം..

സർ,

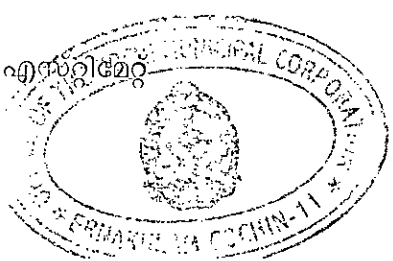
വിഷയം: കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ- വൈറ്റില മേഖല -- ബഹു.ബെന്നി ബെഹനാൻ എം.എൽ.എ.യുടെ ആസ്തി വികസന ഫണ്ടിൽ ഉൾപ്പെട്ട വെണ്ണല ഗവ: എൽ.പി.എസ്.കെട്ടിടം നിർമ്മാണം - റിവൈസ് എസ്റ്റിമേറ്റ് സംബന്ധിച്ച്.

സൂചന: തദ്ദേശസ്വയംഭരണ വകുപ്പിൽ നിന്നുള്ള 3.8.2015 (Rt) No.2379/15/LSGD നമ്പർ സർക്കാർ ഉത്തരവ്.

കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ- വെണ്ണല ഗവ: എൽ.പി.സ്കൂളിൽ ക്ലാസ് റൂ നിർമ്മിക്കുന്നതിനായി ബഹു.ബെന്നി ബെഹനാൻ എം.എൽ.എ.യുടെ ആസ്തി വികസന ഫണ്ടിൽ ഉൾപ്പെടുത്തി മേൽ സൂചന സർക്കാർ ഉത്തരവ് പ്രകാരം 49,90,000/- രൂപയുടെ പ്രവൃത്തിക്ക് ഭരണാനുമതി ലഭിച്ചിട്ടുള്ളതാണ്. എന്നാൽ ടി കെട്ടിടം നിർമ്മിക്കുന്നതിനായി set out ചെയ്തപ്പോൾ നിലവിലുള്ള പ്ലാൻ പ്രകാരം ടി സ്ഥലത്ത് നിർമ്മാണം നടത്താൻ കഴിയാത്തതിനാൽ സ്കൂൾ പി.ടി.എ.യുടെ തീരുമാനത്തിന്റെ അടിസ്ഥാനത്തിൽ കെട്ടിടത്തിന്റെ ഡിസൈനിൽ മാറ്റം വരുത്തിയാണ് ടി നിർമ്മാണം ആരംഭിച്ചിട്ടുള്ളത്.

ക്ലാസ് മുറികൾ നിർമ്മിക്കുന്നതിനായുള്ള എസ്.എസ്.എ. യുടെ നിലവിലെ മാർഗ്ഗ നിർദ്ദേശ പ്രകാരം, ടി പ്രവൃത്തിക്കായി ഭരണാനുമതി ലഭിച്ചിട്ടുള്ള പ്ലാനിൽ നിന്നും, വ്യത്യാസപ്പെടുത്തി കെട്ടിടത്തിലെ ക്ലാസ് മുറികളുടെ വലിപ്പം ഉയരം എന്നിവ വർദ്ധിപ്പിക്കേണ്ടി വന്നിട്ടുണ്ട്. കൂടാതെ നിലവിലുള്ള സർക്കുലറിന്റെ അടിസ്ഥാനത്തിൽ മേൽക്കൂര നിർമ്മാണത്തിന്റെ കോൺക്രീറ്റ് അനുപാതത്തിലും മാറ്റം വരുത്തിയിട്ടുണ്ട്. ടി വിധത്തിലുള്ള മാറ്റങ്ങൾ പ്രകാരം ഭരണാനുമതി ലഭിച്ചിരുന്ന 49,90,000/-രൂപയുടെ എസ്റ്റിമേറ്റ് 56,12,000/-രൂപ ആയി വർദ്ധിച്ചിട്ടുണ്ട്. ആയതിനാൽ വർദ്ധിപ്പിച്ച നിരക്കിൽ ഉള്ള എസ്റ്റിമേറ്റ് അംഗീകരിക്കുന്നതിനും, അധികമായി ആവശ്യമുള്ള 6,22,000/-രൂപ അനുവദിക്കുന്നതിനുമുള്ള നടപടികൾ സ്വീകരിക്കണമെന്ന് അപേക്ഷിക്കുന്നു. *(ഇതിൽ 1 ലം തുകയ്ക്ക് 11 പേജ് കിടന്നു - ഉദ്യോഗാലയം അടയാള സ്വീകാരം അംഗീകരിച്ചിട്ടുള്ള വിശ്വസ്തതയോടെ,*

ഉള്ളടക്കം: റിവൈസ്ഡ് എസ്റ്റിമേറ്റ്



(Handwritten signature)
സെക്രട്ടറി

REVISED ABSTRACT OF ESTIMATE

● Name of Work : Construction of Class Room Building at Govt. LP School, Vennala in Div - 46

Data as per CPWD			DSR 2014			Cost Index -1.4476	
SI No	Item no.	Description of Work	Quantity	Rate	Unit	Amount	Total Amount
		<u>Appendix A (Civil works)</u>					
1	2.8.1	Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	167.275	227.99	m ³	38,137.03	38,137.00
2	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering -All work upto plinth level:1:4:8 (1 Cement:4 coarse sand: 8 graded stone aggregate 40mm nominal size)	39.068	6226.34	m ³	243,250.65	243,251.00
3	7.1.1	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with :Cement mortar 1:6 (1 cement:6 coarse sand)	70.95	5671.84	m ³	402,405.70	402,406.00
4	OD	Cement solid block masasonry with cm 1:6 using best quality block of size 40x20x15 cm including cost and conveyance etc. complete	79.53	5976.03	m ³	475,273.67	475,274.00
5	5.9	Centering and shuttering including strutting, propping etc. and removal of form for:					
6	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	30.72	284.38	m ²	8,736.15	8,736.00
7	5.9.3	Suspended floors, roofs, landings, balconies and access platform	238.87	581.42	m ²	138,883.80	138,884.00
8	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	333.95	480.82	m ²	160,569.84	160,570.00
9	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	179.54	656.26	m ²	117,824.92	117,825.00
0	5.9.7	Stairs, (excluding landings) except spiral staircases	19.45	572.74	m ²	11,139.79	11,140.00
1	5.9.16.1	Edges of slabs and breaks in floors and walls Under	16.28	168.50	m ²	2,743.52	2,744.00
2	5.9.19	Weather shade, Chajjas, corbels etc., including edges	50.12	712.72	m ²	35,721.53	35,722.00
3	5.1.2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level: 1:1.5:3 (1 cement:1.5 coarse sand : 3 graded stone aggregate 20mm nominal size	34.050	9018.83	m ³	307,091.16	307,091.00
4	5.2.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and s tring course, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement. 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	8.47	10240.75	m ³	86,739.15	86,739.00
	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	not done		m ³		
	5.2.2.6	Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut.	9895.00	98.58	kg	975,449.10	975,449.00
	12.1.1	Plastering with cement mortar 1:4 (1 cement:4 sand)					

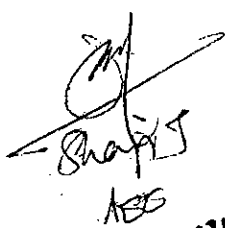
19	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	346	1136.94	m ²	393,381.24	
20		Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry@3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	26.00	1211.13	m ²	31,489.38	31,489.38
21		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m	154.17	162.71	m ³	25,085.00	25,085.00
22	13.43	Applying one coat of cement primer of approved brand and manufacture on wall surface:	2095.50	51.89	m ²	108,735.50	108,736.00
23	13.47.1	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Exterior New work (Two or more coats applied @ 1.43 ltr/10sqm. Over and including base coat of water proofing cement paint applied @2.20 kg/10sqm).	1764.00	137.44	m ²	242,444.16	242,444.00
24	50.9.1.1	Providing wood work in frames of doors & windows clear story windows and another frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fasteneshall be paid for separately) using Anjily/Jack wood	1.231	88659.72	m ³	109,140.12	109,140.00
25	50.9.3.1	Providing & fixing paneled or paneled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright fin ished of required size with necessary screws excluding paneling which will be paid for separately as for separately all complete as per direction of engineering in charge using Angili/Jack wood.	13.574	2329.98	m ³	31,627.15	31,627.00
26	5.9.4.1	Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clestory windows (area of opening for p anel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Anjily/Jack wood	6.732	2017.77	m ²	13,583.63	13,584.00
27	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x 15 cm 1:3:6 mix (1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size).	100.00	169.87	E	16,987.00	16,987.00
28	10.25.2	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	483.68	130.42	kg	63,081.55	63,082.00
29	13.48.2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications					

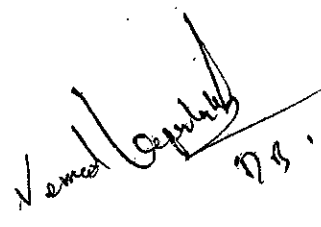
9.63.2	Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm	12.00	84.90	E	1,018.80	1,019.00
9.65.1	Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:5930 with screws etc. complete: 300x20x6 mm	6.00	100.75	E	604.50	605.00
15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent)	2.274	1292.27	m ³	2,938.62	2,939.00
15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	16.06	796.90	m ³	12,798.21	12,798.00
15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead	15.00	204.47	E	3,067.05	3,067.00
15.14.2	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres	1169.00	9.91	m	11,584.79	11,585.00
15.31	Dismantling tiled roofing with bettens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	248.00	111.97	m ²	27,768.56	27,769.00
15.7.4	Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in cement mortar	47.89	1091.63	m ³	52,278.16	52,278.00
13.50.1	Applying priming coat: with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	79.929	47.69	m ²	3,811.81	3,812.00
Appendix B (Electrification works)						
	Supply and wiring points as per IS 732 -1989 in medium guage pvc conduit 20mm with specials ,using 1.0sq mm pvc insulated stranded single core copper wire 650/1100 V ,with 2.03continuous copper earth wire ,clamping using metal saddles spacing not to exceed 50cm suitable size metal switch boxes with upto and including 6A modular type SP switch and plates, 6A 3 plate ceiling rose;copper wire of the specification and size of 1.5 sq mm should be used in 2 runs as cicuit to switch board.(All the materials should have departmental approval.).					
		30	800.05	Each	24,001.50	24,002.00
0	Ceiling rose point	6	781.65	Each	4,689.90	4,690.00
11	Point without ceiling rose	11	479.57	Each	5,275.27	5,275.00
12	Combined Plug point				25,827.00	25,827.00
13	Ceiling fan point with Stepped Regulator socket size	20	1291.35	Each		
44	Supply and providing medium guagePVC conduit confirming to IS 9537/83 part III with suitable size specials such as slip in type couplers and bends, fixing the conduit using metal saddles spacing not exceeding 50cms including making good the damages etc. as 20mm pvc pipe.	85	63.27	Metre	5,377.95	5,378.00
	Supply and drawing 650/1100V grade pvc insulated					5,836.00

47	4.0sq mm continuing to IS 694/1990 through the existing conduit and giving connections etc, 4.0 sq mm 4 runs	5	180.68	Metre		
48	Supply and drawing bare copper conductor along with wiring /cables/through pipe etc. as required 2.00 mm	130	26.68	Metre	3,468.40	
49	Supplying heavy duty PVC/ XLPE insulated pvc sheathed armoured power cable with Aluminium conductor for working voltages upto and including 1100 V, 4 core 10 sqmm size	65	126590.85	1000 M	8,228.41	
50	Laying charges of UG cable upto 25 sq mm size through the wall,by clamping the cable using proper saddles ,screws etc.complete required.	65	54.29	Metre	3,528.85	3,529.00
51	Supply and providing cable gland suitable 10 Sq mm armoured aluminium cable and making end termination	4	275.20	Each	1,100.80	1,101.00
52	Supply and fixing of Cover frame & Grid frame for modular switches and accessories, surface box with front plate and making good the surface of the wall, colour washing etc. 2 Module surface box with front plate	5	221.17	Each	1,105.85	1,106.00
53	3 Module surface box with front plate	1	237.12	Each	237.12	237.00
54	6 Module surface box with front plate	5	299.22	Each	1,496.10	1,496.00
55	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A) 6 A SP 1 way switch	10	132.64	Each	1,326.40	1,326.00
56	6A2M 3pin plug	20	169.44	Each	3,388.80	3,389.00
57	16A SP one way switch	1	183.54	Each	183.54	184.00
58	6/16A Socket	1	247.94	Each	247.94	248.00
59	Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB ,isolator etc. including providing blanking plates in the blanking slots ,fixed on wall 4 way (8+12)	1	3247.54	Each	3,247.54	3,248.00
60	Supply and fixing the following rating of MCB isolatorsand giving connections. 40A 4Pole	1	858.82	Each	858.82	859.00
61	Supply and fixing the following rating of MCB and giving connections. 6 to 32A SP MCB	12	203.72	Each	2,444.64	2,445.00
62	Supply and fitting following type and ratings of in the existing Distribution board including connections. RCCB 4 pole 40A ,30mA	1	2802.32	Each	2,802.32	2,802.00
63	Supply and fitting MS rod type fan clamp for RCC slab neatly painted with two coats of enamel paint	20	223.04	Each	4,460.80	4,461.00
64	Supply conveyance ,installation ,testing and commissioning of 1200 mm sweep Ac ceiling fan (B Category) using standard accessories ,wiring the down rod with 16/02mm pvc insulated and pvc sheathed 650/1100V grade 3 core round copper conductor flex	20	1836.44	Each	36,728.80	36,729.00
65	Supply conveyance, installation, testing and commissioning the following types of light fittings made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <19%, power factor >0.98, RoHS compliant,high lumen tube .	26	1682.45	Each	43,743.70	43,744.00
66	Providing independent ordinary pipe earthing using 1.85 mtrs of 40 mm dia GI pipe ,earth wire copper and other specials such as copper rods ,screws etc.	3	1400.79	Each	4,202.37	4,202.00

		Supply and fixing of the three phase meter chamber 300x450x170mm size, directly on wall using proper bolts, nuts etc. and making good the surface of wall	1	3096.04	Each	3,096.04	3,096.00
		Supply and fitting 32A 415V 50HZ LT TPN heavy duty switch disconnecter fuse unit in sheet steel enclosure on angle iron frame work and giving connections.	1	4136.49	Each	4,136.49	4,136.00
		Supply and fitting 32A 415V kitkat type fuse unit in the existing fuse box and giving connections	nil				10,000.00
		Amount to be remitted in KSEB					
		Extra Items					
5.3		Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1 ¹ / (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	58.370	10542.11	m ³	615,342.96	615,343.00
2	9.4.1	Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Float glass panes	28.019	3162.52	m ²	88,610.65	88,611.00
3	50.18.9.7.2	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement & testing of joints including fittings complete as per direction of Engineer in Charge. 63 mm dia 4Kg/cm ²	58.450	144.33	m	8,436.09	8,436.00
		Extra Items					
4		Supply and installation of double cover enclosure of vertical MCB DB 4way(8+12) with provision for fixing MCCB/MCB/Four Pole Isolator as incomer for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for TP/SP MCB as outgoing Three phase VDB.	1	7594.89	Each	7,594.89	7,595.00
5		Supply and fixing the following rating of MCB isolators and giving connections.	1	904.82	Each	904.82	905.00
6		Supply and fixing the following rating of MCB - B series and giving connections	3	890.45	Each	2,671.35	2,671.00
7		Supply and fitting cast aluminium stove enamelled elliptical shape bulk head fitting with porcelain holder and meshguard with front clear glass and 14w CF lamp, to wall including giving connections using 16/0.20 mm pvc insulated and sheathed 3core wire. Bulkhead fitting	3	364.18	Each	1,092.54	1,093.00
8		Supply and fitting 63A 415V HRC type porcelain fuse unit in the existing fuse box and giving connections. 63 A Fuse unit	3	256.24	Each	768.72	769.00
9		Supply and laying and clamping of 40mm dia 'B' class GI pipe on surface of wall / parapet etc. As protective covering to earth lead / cable / as service pipe etc. 40mm dia GI Pipe as Service pipe	6	276.77	Metre	1,660.62	1,661.00

10	embossing in housing to allow traceability till life of fixture (stickering and printing is not acceptable) with operating voltage range (140 - 270V AC). The luminaire shall be minimum IP66 protected. LED driver has protection against over voltage and short circuit with LED driver efficiency should be greater than 85% with CRI greater than 75 and with colour temperature 5700K range. minimum 3KV surge protection in driver, LED having 50,000 burning hours with minimum 70% lumen maintenance and power factor 0.90 with THD less than 10%. System consumption should be 70/72 = 5W with lumen package of 100 lumens / watt. (Osram / Philips / Bajaj or equivalent make with three year minimum warranty)	1	9677.00	Each	9,677.00	9,677.00
11	Supply and fitting GI bracket bend in proper shape for fixing 70/72 W LED (or nearest available wattage) lamp street light fitting made of 40mm dia GI pipe . 1.00 mtr length with clamps bolts and nuts etc. complete. Supply and fitting 40mm dia GI bracket	1	839.42	Each	839.42	839.00
12	Fitting charges of LED street fittings 40/45/70/72/110W on the existing GI bracket fitted with the electric post laying necessary lead wires and giving proper connections.	1	334.92	Each	334.92	335.00
	Contingency					309.00
	Total					5,612,000.00


 SHAJI S
 ASSISTANT EXECUTIVE ENGINEER
 EAST ZONAL OFFICE
 CORPORATION OF COCHIN
 MYTHLA, COCHIN-19


 EXECUTIVE ENGINEER
 LSGD
 MUNICIPAL CORPORATION OF COCHIN

Name of Work : Construction of Class Room Building at Govt. LP School, Vennala in Div - 46

Data as per CPWD			DSR 2014			Cost Index-1.4476		
Sl. no	Item No.	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
		<u>Appendix A (Civil works)</u>						
1	2.8.1	Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.						
		For column footing	24	1.50	1.50	1.85	99.900 ✓	
		For column footing varandha	7	1.40	1.40	1.40	19.208 ✓	
			16	1.50	0.75	0.75	13.500 ✓	
			4	1.50	0.75	0.75	3.375 ✓	
			3	4.70	0.75	0.75	7.931 ✓	
			2	1.50	0.75	0.75	1.688 ✓	
			1	4.70	0.75	0.75	2.644 ✓	
			3	4.70	0.75	0.75	7.931 ✓	
			6	1.40	0.75	0.75	4.725 ✓	
			1	1.92	0.75	0.75	1.080 ✓	
			1	0.45	0.75	0.75	0.253 ✓	
			1	22.40	0.75	0.30	5.040 ✓	
		TOTAL					167.275	167.275m ³
2	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering -All work upto plinth level:1:4:8 (1 Cement:4 coarse sand: 8 graded stone aggregate 40mm nominal size)						
		For column footing	24	1.50	1.50	0.10	5.400 ✓	
		For column footing varandha	7	1.40	1.40	0.10	1.372 ✓	
			16	1.50	0.70	0.10	1.680 ✓	
			4	1.50	0.75	0.10	0.450 ✓	
			3	4.70	0.75	0.10	1.058 ✓	
			2	1.50	0.75	0.10	0.225 ✓	
			1	4.70	0.75	0.10	0.353 ✓	
			3	4.70	0.75	0.10	1.058 ✓	
			6	1.40	0.75	0.10	0.630 ✓	
			1	1.92	0.75	0.10	0.144 ✓	
			1	0.45	0.75	0.10	0.034 ✓	
		class room inside	5	6.20	6.20	0.10	19.220 ✓	
		stair room	1	2.95	6.00	0.10	1.770 ✓	
		Varandha	1	22.20	1.80	0.10	3.996 ✓	
		Varandha steps	1	22.40	0.75	0.10	1.680 ✓	
		TOTAL					39.068	39.068m ³
	7.1.1	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with :						
		East side	1	28.80	0.60	0.60	10.37 ✓	
		West side	1	28.80	0.60	0.60	10.37 ✓	
		North side	1	12.85	0.60	0.60	4.63 ✓	
			1	6.00	0.60	0.60	2.16 ✓	
			1	6.00	0.60	0.60	2.16 ✓	

Sl. no	Item No.	Description of work	No	Length	Breadth	Height	Quantity		Cen. etc. a
		North side	1	12.85	0.45	0.30	1.73	5.9	Cen. etc. of
			1	6.00	0.45	0.30	0.81		
			1	6.00	0.45	0.30	0.81		
			5	6.00	0.45	0.30	4.05		
			1	22.40	0.45	0.30	3.02		
			1	2.00	0.45	0.30	0.27		
		Extera For East side	1	28.80	0.40	0.35	4.03		
		For North side	1	6.00	0.40	0.50	1.20	5.9.3	
			1	6.00	0.40	0.30	0.72		
		total					73.69		
		Deduction for column	24	0.20	0.40	0.60	1.15		
		Varandha column	7	0.20	0.40	0.60	0.34		
		Deduction for column	31	0.20	0.45	0.30	0.84		
		Varandha column	9	0.20	0.40	0.35	0.25		
			3	0.20	0.40	0.50	0.12		
			2	0.20	0.40	0.30	0.05		
		total deduction					2.75		
		less deduction					70.95	70.95m ³	
4	OD	Cement solid block masaoonry with cm 1:6 using best quality block of size 40x20x15 cm including cost and conveyance etc. complete							
		All round out side	1	83.45	0.20	2.10	35.05		
		Cross walls	5	6.20	0.20	2.10	13.02		
		All round out side	1	83.45	0.20	1.35	22.53		
		Cross walls	5	6.20	0.20	1.35	8.37		
		varantha	1	22.40	0.20	1.15	5.15		
		varantha south	1	1.80	0.20	1.15	0.41		
		Step front side	1	22.40	0.70	0.20	3.14		
		All round out side	2	22.40	0.30	0.16	2.15		
		Parapet wall	1	47.85	0.10	0.70	3.35		
		rear	1	3.60	0.20	2.4	1.73		
		side	2	6.20	0.20	2.25	5.58		
		front	1	3.60	0.20	2.10	1.51		
			1	3.00	0.10	0.70	0.21		
			1	30.05	0.10	0.70	2.10		
			7	0.10	0.47	0.70	0.23		
		cabin handils	1	11.40	0.10	0.88	1.00		
		For sunshad outer side back	1	30.28	0.05	0.10	0.15		
		north	1	13.65	0.05	0.10	0.07		
		front	1	4.15	0.05	0.10	0.02		
		south	1	8.62	0.05	0.10	0.04		
		Varantha front	1	23.00	0.05	0.10	0.12		
		Closing the gap inbetween HS and LPS	2	1.30	0.20	2.10	1.09		
		Total					107.03		
		Doors	5	1.20	0.20	2.10	2.52		
		Windows	15	1.52	0.20	1.46	6.6576		
		Vendilator	2	0.60	0.20	0.40	0.096		
		Star opening	1	3.00	0.20	2.10	1.26		
		Landing slab	1	3.00	0.20	0.15	0.09		
		Columns	10	0.20	0.20	2.10	0.84		
			14	0.40	0.20	2.10	2.352		
			1	83.45	0.20	0.43	7.1767		
			5	6.20	0.20	0.43	2.666		
			1	3.20	0.20	1.35	0.864		

Item No.	Description of work	No	Length	Breadth	Height	Quantity	79.53m ³
	less deduction					79.525	79.53m ³
5.9	Centering and shuttering including strutting, propping etc. and removal of form for:						
5.9.1	Centering and shuttering including strutting, propping etc. and removal of form for: foundation footing bases of columns etc						
	Foundation footings basis of columns					24.00	
	For main columns	96	1.25	0.20		6.72	
	Columns for Varandha	28	1.20	0.20		30.72	30.72m ²
	TOTAL						
5.9.3	Suspended floors, roofs, landings, balconies and					192.20	
	Class rooms	5	6.20	6.20		6.82	
	Stair room	1	2.13	3.20		33.48	
	Varantha	3	6.20	1.80		5.76	
		1	3.20	1.80		2.93	
	Parapet east side	1	29.28	0.10		1.31	
	north	1	13.05	0.10		0.69	
	west	1	6.85	0.10		0.43	
	west south	1	4.25	0.10		2.25	
	varantha west	1	22.50	0.10		0.66	
	south	1	6.62	0.10		246.51	
	total					6.20	
	deduct beam portion	5	6.20	0.20		1.44	
		4	1.80	0.20		7.64	
	total deduction					238.87	238.87m ²
	les deduction						
5.9.5	Centering and shuttering including strutting, propping					26.17	
	Foundation footings basis of columns East side	2	29.08	0.45		26.17	
	West side	2	29.08	0.45		11.75	
	North side	2	13.05	0.45		5.96	
		2	6.62	0.45		5.63	
		2	6.25	0.45		20.16	
		2	22.40	0.45		26.10	
		10	5.80	0.45		2.70	
		2	3.00	0.45		6.48	
		8	1.80	0.45		0.60	
	For bottom beam stair room	1	3.00	0.20		2.10	
	sides	2	3.00	0.35		16.69	
	For lintal beam all round	1	83.45	0.20		12.61	
	outer side	1	84.05	0.15		12.09	
	inside class rooms	13	6.20	0.15		0.45	
		1	3.00	0.15		4.48	
	beam for varantha bottom	1	22.40	0.20		15.68	
	side	2	22.40	0.35		0.36	
	south side bottom	1	1.80	0.20		1.26	
	side	2	1.80	0.35		36.14	
	All round out side	1	84.05	0.43		53.32	
		5	24.80	0.43		32.86	
		5	6.20	1.06		8.08	
		1	18.80	0.43		0.64	
		1	3.20	0.20		7.63	
		4	1.80	1.06		336.11	
	Total					2.16	

		For column	24	1.20	2.10		60.48	
		Varandha columns	7	0.65	2.10		9.56	
		For column	24	1.20	0.92		26.50	
		Varandha columns	4	0.80	0.72		2.30	
		Varandha columns	3	0.80	1.15		2.76	
		Over roof For column	19	1.20	0.60		13.68	
		For column	5	1.20	2.10		12.60	
		Varandha columns	7	0.80	0.60		3.36	
		Total					179.54	179.54m ²
10	5.9.7	Stairs, (excluding landings) except spiral staircases						
		For stairs	1	1.30	0.25		0.33	
			1	1.20	3.45		4.14	
			1	3.45	0.25		0.86	
			10	1.20	0.15		1.80	
			1	3.00	1.20		3.60	
			1	1.50	0.10		0.15	
		Stair slanding	1	4.35	1.20		5.22	
		side	1	4.35	0.15		0.65	
		for steps	15	1.20	0.15		2.70	
		TOTAL					19.45	19.45m ²
11	5.9.16.1	Edges of slabs and breaks in floors and walls Under 200 cm wide						
		All round roof	1	82.55	0.12		9.91	
		Sunshade outer edge all round	1	79.70	0.08		6.38	
		TOTAL					16.28	16.28m ²
12	5.9.19	Weather shade, Chajjas, corbels etc., including edges						
		bottom east side	1	30.28	0.60		18.17	
		north side	1	13.65	0.60		8.19	
		west side	1	4.15	0.60		2.49	
		south side	1	8.62	0.60		5.17	
		Front side	1	23.00	0.70		16.10	
		TOTAL					50.12	50.12m ²
13	5.1.2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level: 1:1.5:3						
		For main columns	24	1.25	1.25	0.2	7.500	
		Columns for Varandha	7	1.20	1.20	0.2	2.016	
			24	0.75	0.75	0.45	6.075	
			7	0.70	0.70	0.4	1.372	
		For main columns	24	0.20	0.40	1.4	2.688	
		Columns for Varandha	7	0.20	0.40	0.95	0.532	
		For plinth beam north side	2	29.08	0.20	0.45	5.234	
		North East-west	1	13.05	0.20	0.45	1.175	
		west north	1	6.65	0.20	0.45	0.599	
		North East-west	1	6.25	0.20	0.45	0.563	
		Varantha frond	1	22.40	0.20	0.45	2.016	
		South side classroom	4	6.20	0.20	0.45	2.232	
		stair case	2	6.20	0.20	0.45	1.116	
		stair base	1	3.00	0.20	0.45	0.270	
		Northside classrooms	4	1.80	0.20	0.45	0.648	
		TOTAL					34.035	34.05m ³
		Reinforced cement concrete work in walls (any thickness) including shuttering, finishing and reinforcement						

		From lintal upto roof level						
		For column	24	0.40	0.20	0.92	1.77	
		Varandha columns	4	0.20	0.20	0.72	0.12	
		Varandha columns	3	0.20	0.20	1.15	0.14	
		Above roof						
		For column	5	0.40	0.20	2.10	0.84	
		For column	19	0.40	0.20	0.60	0.91	
		Varandha columns	7	0.20	0.20	0.60	0.17	
		TOTAL					8.47	8.47m ³ ✓
15	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).						not done ✓
16	5.2.2.6	Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut.						
		Item no 13 - 1m3 = 110kg	1	34.035	110.000		3743.85	
		Item no 14 - 1m3 = 106kg	1	8.470	106.000		897.82	
		Extera item no 1 = 90kg	1	58.370	90.000		5253.30	
		TOTAL					9894.97	9895kg ✓
17	13.1.1	Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick						
		out side basement						
		south	1	8.65	0.60		5.19	
		Rear - East	1	29.10	1.19		34.48	
		North	1	13.07	1.12		14.64	
		west	1	6.67	0.73		4.84	
		front	1	4.65	0.73		3.37	
		wall out side						
		Varantha	1	22.40	3.60		80.64	
		south	1	6.62	3.60		23.83	
		Rear	1	29.08	3.60		104.69	
		North	1	13.05	3.60		46.98	
		west	1	6.60	3.60		23.76	
		North front	1	6.25	3.60		22.50	
		varantha outside	1	22.40	1.15		25.76	
		varantha inside	1	22.20	1.15		25.53	
		in side of class room all round	5	24.80	3.60		446.40	
		stair cabin inside	1	18.80	3.60		67.68	
		handril	1	11.40	1.86		21.20	
			4	0.10	0.88		0.35	
		outside	1	3.60	2.40		8.64	
			2	6.20	2.25		27.90	
			1	3.60	2.10		7.56	
		inside	1	3.20	2.10		6.72	
			1	3.20	2.40		7.68	
			2	6.20	1.25		15.50	
			1	3.20	2.10		6.72	
		parapet wall in side	1	49.25	0.70		34.48	
			1	48.25	0.70		33.78	
			1	47.85	0.70		33.50	
			1	3.20	0.70		2.24	

			1	30.05	0.70		21.04	
		class room inside	5	6.20	6.20		192.20	
		stair room	1	3.20	6.20		19.84	
		Varandha floor	1	22.20	1.80		39.96	
		Varandha steps	5	22.40	0.30		33.60	
		steps	5	22.40	0.30		33.60	
		steps	24	1.50	0.15		5.40	
		steps	24	1.50	0.30		10.80	
		Landing	1	3.20	1.20		3.84	
		Closing the gap inbetween HS and LPS	4	1.30	2.15		11.18	
		total					1552.66	
		Dudation						
			6	1.20	2.10		15.12	
			15	1.52	1.46		33.29	
			2	0.60	0.40		0.48	
			1	1.52	0.80		1.22	
			1	3.20	2.10		6.72	
		total deduction					56.82	
		les deduction					1495.84	1496m ² ✓
18	13.16.1	Plastering with cement mortar 1:3(1 cement:3 fine sand), 6mm thick including a neat cement flushing coat						
		Celing						
		Class room	5	6.20	6.20		192.20	
		beam	10	6.20	0.40		24.80	
		Varantha	1	22.20	1.80		39.96	
		Stair cabin	1	3.20	1.24		3.97	
			1	1.20	0.41		0.49	
			1	3.20	1.20		3.84	
		flight 1st	1	3.45	1.20		4.14	
			1	4.35	1.20		5.22	
		Sunshade rear	1	30.28	0.70		21.20	
		North	1	13.65	0.70		9.56	
		west	1	4.15	0.70		2.91	
		south	1	8.62	0.70		6.03	
		front	1	23.80	0.80		19.04	
		varantha beam	1	24.00	0.90		21.60	
		pillar	7	2.10	0.65		9.56	
		cross beam at varantha	12	1.80	0.40		8.64	
		Roof slab portion allround	1	82.70	0.27		22.33	
		Roof top	1	19.60	8.95		175.42	
			1	6.90	13.30		91.77	
			1	3.00	3.59		10.77	
		TOTAL					673.43	673.43m ² ✓
19	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.						
		class room inside	5	6.20	6.20		192.20	
		skirting	5	24.80	0.12		14.88	
		class room outside skirting	5	5.00	0.12		3.00	
		stair room	1	3.20	6.20		19.84	

Item No.	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
	steps	24	1.50	0.15		5.40	
	steps	24	1.50	0.30		10.80	
	Landing	2	3.20	1.20		7.68	
						345.26	346m ² ✓
20	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry@3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.						
	stair room	1	9.40	2.70		25.38	26m ² ✓
21	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m						
	Class room 1st filling	5	5.75	5.75	0.35	57.86	
	Stair case	1	2.55	5.75	0.35	5.13	
	Class room 2nd filling	5	6.20	6.20	0.45	86.49	
	Stair case	1	3.00	3.10	0.45	4.19	
	Varantha 1st	1	21.95	1.55	0.35	11.91	
	Varantha 2nd	1	21.95	1.60	0.45	15.80	
						181.38	
	Deduct 15% consolidation					27.21	
	TOTAL					154.17	154.17m ³ ✓
22	13.43	Applying one coat of cement primer of approved brand and manufacture on wall surface:					
		Area as per item no17				1495.580	
		Area as per item no18				673.430	
						2169.01	
		Deduct					
		Varandha floor	1	22.20	1.80	39.96	
		Varandha steps	5	22.40	0.30	33.60	
						73.56	
		TOTAL				2095.45	2095.50m ² ✓
23	13.47.1	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Exterior New work (Two or more coats applied @ 1.43 ltr/10sqm. Over and including base coat of water proofing cement paint applied @2.20 kg/10sqm).					
		Area as per item no17				1495.580	
		Area as per item no18				673.430	
						2169.010	
		Deduct					
		Varandha floor	1	22.20	1.80	39.96	
		Varandha steps	5	22.40	0.30	33.60	
		steps	5	22.40	0.30	33.60	
		steps	24	1.50	0.15	5.40	
		steps	24	1.50	0.30	10.80	
		Landing	1	3.20	1.20	3.84	

Sl. no	Item No.	Description of work	No	Length	Breadth	Height	Quantity	
24	50.9.1.1	Providing wood work in frames of doors & windows clear story windows and another frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fasteners shall be paid for separately) using Anjily/Jack wood						
		Door frames horizontal	5	1.20	0.10	0.070	0.042	
		Door frames vertical	10	2.10	0.10	0.070	0.147	
		Window frames Horizontal	30	1.52	0.10	0.070	0.319	
		Window frames vertical	60	1.46	0.10	0.070	0.613	
		Ventilator frames horizontal	4	0.60	0.10	0.070	0.017	
		Ventilator frames vertical	4	0.40	0.10	0.070	0.011	
		Door frames horizontal	1	1.20	0.10	0.070	0.008	
		Door frames vertical	2	2.10	0.10	0.070	0.029	
		Stair room Window frames Horizontal	2	1.52	0.10	0.070	0.021	
		Stair room Window frames vertical	4	0.80	0.10	0.070	0.022	
		TOTAL					1.231	1.231m ³ ✓
25	50.9.3.1	Providing & fixing paneled or paneled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright finished of required size with necessary screws excluding paneling which will be paid for separately as for separately all complete as per direction of engineering in charge using Angili/Jack wood.						
		Doors 6 x 2	12	0.56	2.020		13.5744	13.574m ² ✓
26	5.9.4.1	Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clear story windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Paneling for paneled and glazed shutters 25mm-40mm thick using good quality Anjily/Jack wood						
		Doors 6 x 2 x 3	36	0.55	0.340		6.7320	6.732m ² ✓
27	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x 15 cm 1:3:6 mix (1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size).						
		Door	30				30	
		Window	60				60	
		Door	6				6	
		Window	4				4	
		TOTAL					100.00	100 nos ✓
28	10.25.2	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works						
		12mm dia MS bar for windows	135	1.50		1.131	229.03	
			4	0.60		1.130	2.71	
		MS flat 25x5 mm	90	1.46		1.800	236.52	
		12mm dia MS bar for windows	4	1.50		1.130	6.78	
		MS flat 25x5 mm	6	0.80		1.800	8.64	
		TOTAL					483.68	483.68 kg ✓

Item No	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
	Stair room Window	1	1.45	0.80	2.250	2.61	
	Ventilator frames horizontal	4	0.60	0.27	1.000	0.65	
	Ventilator frames vertical	4	0.40	0.27	1.000	0.43	
	TOTAL					163.72	163.72m ² ✓
9.63.2	Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm						
	Doors	12				12.00	12 nos ✓
9.65.1	Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:5930 with screws etc. complete: 300x20x6 mm						
	Doors	6				6.00	6 nos ✓
2	15.2.1						
	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)						
	Lintal	2	22.00	0.20	0.150	1.320	
		3	6.40	0.20	0.150	0.576	
		1	12.60	0.20	0.150	0.378	
	TOTAL					2.274	2.274m ³ ✓
33	15.2.2						
	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)						
	Floor of classroom	5	6.00	6.00	0.075	13.50	
	Varandha	1	28.40	1.20	0.075	2.56	
	TOTAL					16.06	16.06m ³ ✓
34	15.12						
	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead						
	Doors damaged and not reusable	5				5.00	
	Windows	10				10.00	
	TOTAL					15.00	15 nos ✓
35	15.14.2						
	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres						
	Rafters	30	4.00	1.00	1.00	120.00	
		8	4.00	1.00	1.00	32.00	
	Ridge	1	15.00	1.00	1.00	15.00	
		1	6.40	1.00	1.00	6.40	
	Hip	6	5.00	1.00	1.00	30.00	
	Purlin	34	22.00	1.00	1.00	748.00	
		34	6.40	1.00	1.00	217.60	
	Total					1169.00	1169.00m ✓
36	15.31						
	Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.						
	Roof	1	20.00			5.000	100.00
	North South	1	15.00			5.000	75.00
		1	8.20			5.000	41.00
		1	6.40			5.000	32.00
	TOTAL					248.00	248m ² ✓
	Demolishing brick work manually/by mechanical						

Sl. no	Item No.	Description of work	No	Length	Breadth	Height	Quantity	
38	3.50.1	Applying priming coat: with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)				C		
		Doors	6	2.12	1.20	2.250	34.344	
		Window	15	1.52	1.47	1.250	41.895	
		Stair room Window	1	1.45	0.80	2.250	2.610	
		Ventilator frames horizontal	4	0.60	0.27	1.000	0.648	
		Ventilator frames vertical	4	0.40	0.27	1.000	0.432	
		Total					79.929	79.929m ²
		Appendix B (Electrification works)						
39	1	Supply and wiring points as per IS 732 -1989 in medium guage pvc conduit 20mm with specials ,using 1.0sq mm pvc insulated stranded single core copper wire 650/1100 V ,with 2.03continuous copper earth wire ,clamping using metal saddles spacing not to exceed 50cm suitable size metal switch boxes with upto and including 6A modular type SP switch and plates, 6A 3 plate ceiling rose;copper wire of the specification and size of 1.5 sq mm should be used in 2 runs as cicuit to switch board.(All the materials should have departmental approval.).						
40	a	Ceiling rose point						
		Ceiling rose point For single Tube at class room	1x	5	4		20	
		For yard light	1x	1			1	
		For Bulkhead fitting	1x	3			3	
		Passage	1x	4			4	
		Staircase room	1x	2			2	
							30	30 Nos ✓
41	b	Point without ceiling rose						
		Batten point for Projector	1x	5			5	
		Batten at Bath room	1x	1			1	
							6	6 Nos ✓
42	c	Combined Plug point						
		Combined plug point class rooms	1x	5	2		10	
		Staircase room	1x	1			1	
							11	11 Nos ✓
43	d	Ceiling fan point with Stepped Regulator socket size						
		Fan point class room	1x	5	4		20	20 Nos ✓
44	2	Supply and providing medium guagePVC conduit confirming to IS 9537/83 part III with suitable size specials such as slip in type couplers and bends, fixing the conduit using metal saddles spacing not exceeding 50cms including making good the damages etc. as 20mm pvc pipe.						
		DB to Power Plugs	1x	1	5		5	
		DB to Computer plugs at Class room 3	1x	1	9		9	
		DB to Computer plugs at Class room 2	1x	1	14		14	
		DB to Computer plugs at Class room 1	1x	1	20		20	
		DB to Computer plugs at Class room 4	1x	1	13		13	
		DB to Computer plugs at Class room 5	1x	1	18		18	
		For earth protection	1x	2	3		6	
							85	85 Mts ✓
45	3	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 1.5 sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc.						

46	4	stranded single core copper conductor cable of size 2.5 sq mm confirming to IS 694/1990 through the exsisting conduit and giving connections etc, 2.5 sq mm 2 runs							
	a	2.5 sq mm copper wire 2 runs	1x	1	6		6	6	✓
47	5	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 4.0sq mm confirming to IS 694/1990 through the exsisting conduit and giving connections etc, 4.0 sq mm 4 runs							
		Meter box to VDB	1X	1	5		5	5Mts	✓
48	6	Supply and drawing bare copper conductor along with wiring /cables/through pipe etc. as required 2.00 mm							
		Bare copper 2.00 mm	1x	2	2		4		
		Meter Box to VDB	1x	1	6		6		
		DB to power Plugs	1x	2	8		16		
		Along with cable	1x	2	52		104		
							130	130 Mts	✓
49	7	Supplying heavy duty PVC/ XLPE insulated pvc sheathed armoured power cable with Aluminium conductor for working voltages upto and including 1100 V., 4 core 10 sqmm size							
	a	4 core 10 sq mm Power cable	1x	1	65		65	65 Mts	✓
50	8	Laying charges of UG cable upto 25 sq mm size through the wall,by clamping the cable using proper sadles ,screws etc.complete required.							
		4* 10 sq mm							
		Meter to Main switch	1x	1	10		10		
		Main switch to DB	1X	1	55		55		
							65	65 Mts	✓
51	9	Supply and providing cable gland suitable 10 Sq mm armoured aluminium cable and making end termination							
	a	10 aq mm	1x	4			4	4 Nos	✓
52	10	Supply and fixing of Cover frame & Grid frame for modular switches and accessories, surface box with front plate and making good the surface of the wall, colour washing etc. 2 Module surface box with front plate							
	a	2 Modular type surface box with front plate	1x	5			5	5 Nos	✓
53	b	3 Module surface box with front plate	1x	1			1	1 Nos	✓
54	c	6 Module surface box with front plate	1x	5			5	5 Nos	✓
55	11	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A) 6 A SP 1 way switch in Computer plugs							
	a	6A Switch in computer plugs	1x	2	5		10	10 Nos	✓
56	b	6A2M 3pin plug							
		for computer plugs	1x	3	5		15		
		for projector point	1x	1	5		5		
							20	20Nos	✓
57	c	16A SP one way switch	1x	1			1	1Nos	✓
58	d	6/16A Socket	1x	1			1	1 Nos	✓
59	12	Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB ,isolator etc. including providing blanking plates in the blanking slots ,fixed on wall							

Sl. no	Item No.	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
60	14	Supply and fixing the following rating of MCB isolators and giving connections. 40A 4 Pole						
	a	40 A on three phase DBs	1x	1			1	1 Nos ✓
61	15	Supply and fixing the following rating of MCB and giving connections. 6 to 32A SP MCB						
		Single pole MCBs	1x	12			12	12 Nos ✓
62	17	Supply and fitting following type and ratings of in the existing Distribution board including connections. RCCB 4 pole 40A ,30mA						
		Three Phase DBs	1x	1			1	1 Nos ✓
63	18	Supply and fitting MS rod type fan clamp for RCC slab neatly painted with two coats of enamel paint						
		MS rod type fan clamp class room	1x	4	5		20	20 Nos ✓
64	19	Supply conveyance ,installation ,testing and commissioning of 1200 mm sweep Ac ceiling fan (B Category) using standard accessories ,wiring the down rod with 16/02mm pvc insulated and pvc sheathed 650/1100V grade 3 core round copper conductor flex						
		Ceiling fan	1x	4	5		20	20 Nos ✓
55	20	Supply conveyance, installation, testing and commissioning the following types of light fittings made from CRCA sheet 0.5mm thickness with all accessories and lamps <i>directly on wall</i> and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant, high lumen tube .	1x	26			26	26 Nos ✓
66	22	Providing independent ordinary pipe earthing using 1.85 mtrs of 40 mm dia GI pipe ,earth wire copper and other specials such as common salt ,charcoal bolts and nuts etc. complete required at site.	1x	3			3	3 Nos ✓
67	23	Supply and fixing of the three phase meter chamber 300x450x170mm size,directly on wall using proper bolts ,nuts etc.and making good the surface of wall	1x	1			1	1 Nos ✓
68	24	Supply and fitting 32A 415V 50HZ LT TPN heavy duty switch disconnector fuse unit in sheet steel enclosure on angle iron frame work and giving connections.	1x	1			1	1 Nos ✓
69		Supply and fitting 32A 415V kitkat type fuse unit in the existing fuse box and giving connections					0.00	
70	30	Amount to be remitted in KSEB					LS	
		EXTRA ITEMS, App - A (civil works)						
	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1½:3 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).						

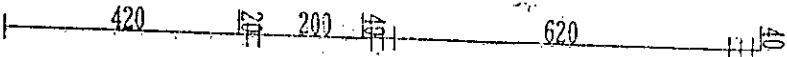
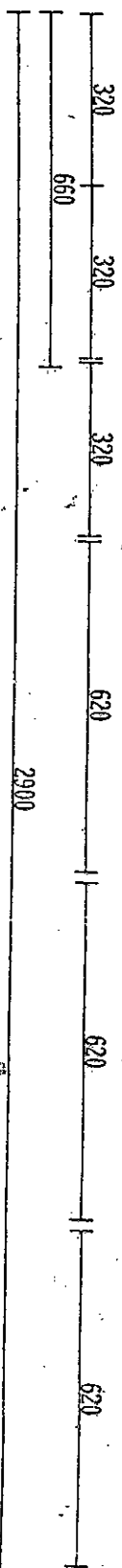
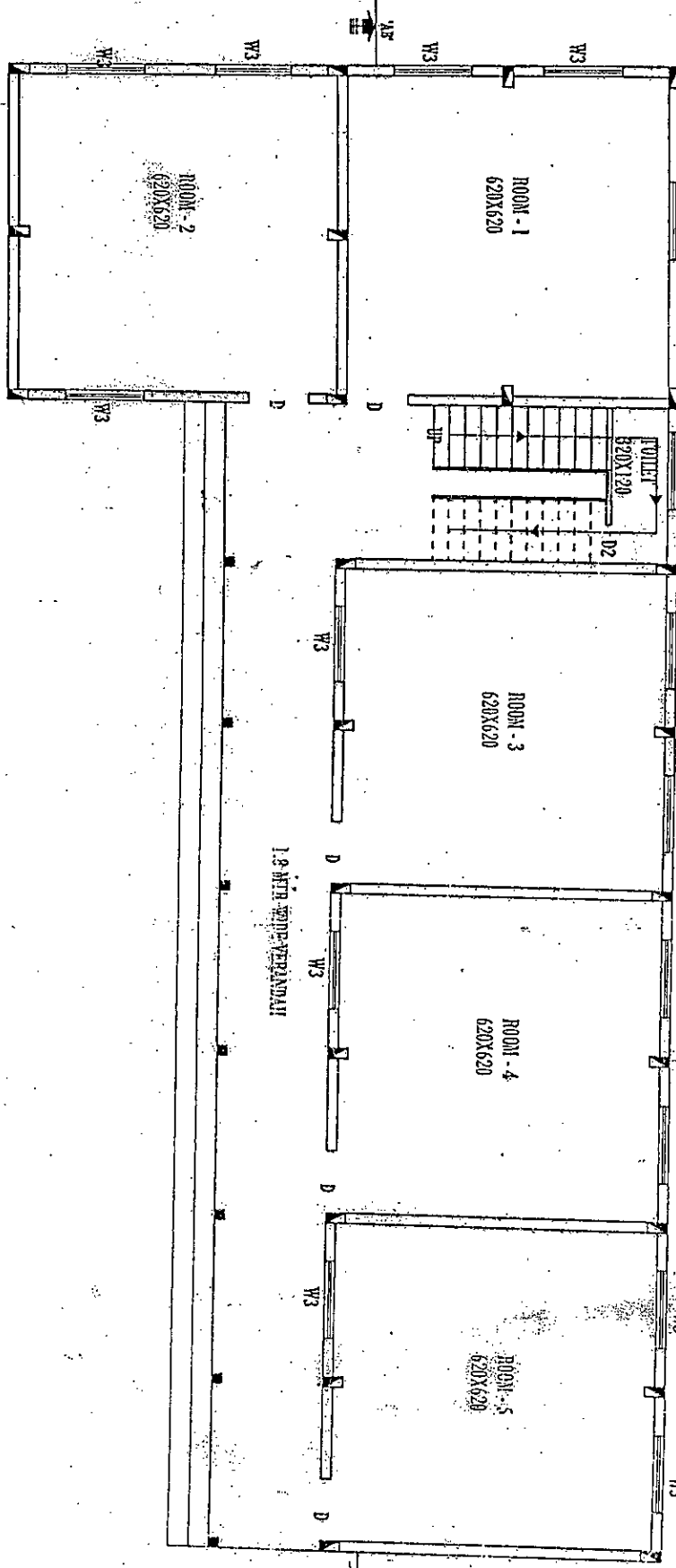
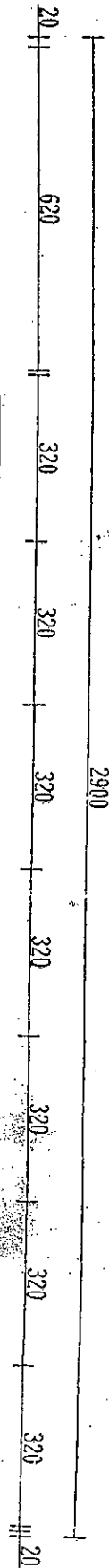
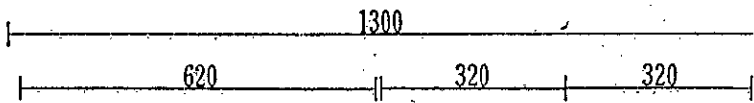
Item No.	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
	west side	1	4.15	0.60	0.09	0.22	
	south side	1	8.62	0.60	0.09	0.47	
	Front side	1	23.00	0.70	0.09	1.45	
	For roof south block	1	19.60	8.95	0.12	21.05	
	Beam east - west	4	8.62	0.20	0.43	2.97	
	East side and west	2	29.02	0.20	0.43	4.99	
		3	6.20	0.20	0.43	1.60	
	North portion East west	2	13.05	0.20	0.43	2.24	
	Class room north block	2	6.20	0.20	0.43	1.07	
	west wall	1	6.60	0.20	0.43	0.57	
	Room north block	1	6.90	13.30	0.12	11.01	
	Front of varantha and stair cabin	1	3.00	3.59	0.12	1.29	
		1	1.24	0.41	0.12	0.06	
	Stair case 1st flight slab	1	3.45	1.20	0.15	0.62	
	2nd flight	1	4.35	1.20	0.15	0.78	
	Steps 24*1/2=12	12	1.20	0.30	0.15	0.65	
	TOTAL					58.37	58.37M ³ ✓
9.9.1.2	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. Using Anjili wood / Jack wood 30mm thick shutters (Modified DSR 9.9.1.2)						
	Windows 15 x 3	45	0.43	1.400		27.0900	
	Stair room window 1 x 3	3	0.43	0.720		0.9288	
	TOTAL					28.019	28.019m ²
50.18.9.7.2	Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement & testing of joints including fittings complete as per direction of Engineer in Charge. 63 mm dia 4Kg/cm ²						
	Front side	3	4.45			13.350	
	South side	1	3.75			3.750	
	East side	4	4.1			16.400	
	East side	1	4.25			4.250	
	North side	2	4.05			8.100	
	From roof to sunshade	7	1.80			12.600	
	TOTAL					58.45	58.45m ✓
	EXTRA ITEMS, App - B (Electrification works)						
13	Supply and installation of double cover enclosure of vertical MCB DB 4way(8+12) with provision for fixing MCCB/MCB/Four Pole Isolator as incomer for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for TP/SP MCB as out goings Three phase VDB	1x	1			1	1Nos ✓
14 b	Supply and fixing the following rating of MCB isolatorsand giving connections. 63A on Three phase DBs	1x	1			1	1 Nos ✓
16	Supply and fixing the following rating of MCB - B series and giving connections Tripple pole MCBs	1x	3			3	3Nos ✓
	Supply and fitting cast alluminium stove enamelled elliptical shape bulk head fitting with porcelane holder and meshguard with front clear glass and 14w						

Sl. no	Item No.	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
9	26	Supply and laying and clamping of 40mm dia 'B' class GI pipe on surface of wall / parapet etc. As protective covering to earth lead / cable / as service pipe etc. 40mm dia GI Pipe as Service pipe	1x	1	6		6	6 Mts
10	27	Supplying of 70/72 LED street light luminaire with epoxy powder coated pressure die-cast aluminium housing with heat resistant toughened clear glass fixed with SS screws. Manufacturer name engraved / embossing in housing to allow traceability till life of fixture (stickering and printing is not acceptable) with operating voltage range (140 - 270V AC). The luminaire shall be minimum IP66 protected. LED driver has protection against over voltage and short circuit with LED driver efficiency should be greater than 85% with CRI greater than 75 and with colour temperature 5700K range. minimum 3KV surge protection in driver, LED having 50,000 burning hours with minimum 70% lumen maintenance and power factor 0.90 with THD less than 10%. System consumption should be 70/72 = 5W with lumen package of 100 lumens / watt. (Osram / Philips / Bajaj or equivalent make with three year minimum warranty)	1x	1			1	1 Nos
11	28	Supply and fitting GI bracket bend in proper shape for fixing 70/72 W LED (or nearest available wattage) lamp street light fitting made of 40mm dia GI pipe . 1.00 mtr length with clamps bolts and nuts etc. complete. Supply and fitting 40mm dia GI bracket	1x	1			1	1 Nos
12	29	Fitting charges of LED street fittings 40/45/70/72/110W on the existing GI bracket fitted with the electric post laying necessary lead wires and giving proper connections.	1x	1			1	1 Nos

[Signature]
K. G. Prasannakumar
P.W.O. II

[Signature]
ASSISTANT EXECUTIVE ENGINEER
EAST ZONAL OFFICE
CORPORATION OF COCHIN
BY TILAK COCHIN 10

[Signature]
EXECUTIVE ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN



G. PRAKASHAKARAN
10/05/21

C. SUDHAKARAN
Assistant Engineer (LEGD)

GROUND FLOOR

10/05/21

SUPERINTENDENT
MUNICIPAL

FORM NO. D. B. 4 - COMPARATIVE

Abstract of Original and Revised Estimates with explanations of difference in quantities and rates

Sub-heads of estimates and items of works	Original Estimate				Revised Estimate				Savings (minus)	Excess (plus)
	Quantity	Rate	Amount	Total	Rate	Already executed	To be executed	TOTAL Quantity	Amount	
Appendix A (Civil works)										
Earth work excavation by mechanical means (excavator) / manual means in foundation trenches; (not exceeding 1.5m in width or sqm on plan), dressing of sides and ramming of bottoms, lift upto including getting out the excavated soil and disposal is excavated soil as directed, within a lead of 50m.	85.50 m ³	227.99 / m ³	19493.15	19493.14	227.99 / m ³	167.245	0.030	167.275 m ³	38,137.03	18,643.
Providing and laying in position cement concrete of 1 grade excluding the cost of centering and shuttering work upto plinth level: 1:4:8 (1 Cement:4 coarse sand:1 stone aggregate 40mm nominal size)	30.50 m ³	6226.34 / m ³	189903.37	189903.37	6226.34 / m ³	39.059	0.009	39.068 m ³	243,250.65	53,347
Random rubble masonry with hard stone in ion and plinth including leveling up with cement > 1:6:12 (1 cement:6 coarse sand: 12 graded stone te 20 mm nominal size) upto plinth level with t mortar 1:6 (1 cement:6 coarse sand)	36.00 m ³	5671.84 / m ³	204186.24	204186.24	5671.84 / m ³	70.943	0.007	70.950 m ³	402,417.05	198,231
ement solid block masonry with cm 1:6 using best block of size 40x20x15 cm including cost and ance etc. complete	52.50 m ³	5976.03 / m ³	313741.58	313741.57	5976.03 / m ³	57.024	22.506	79.530 m ³	475,273.67	161.53
entering and shuttering including strutting, propping and removal of form for:										
Foundations, footings, bases of columns, etc. for mass te	32.00 m ²	284.38 / m ²	9100.16	9100.16	284.38 / m ²	30.720	0.000	30.720 m ²	8,736.15	364.01
Suspended floors, roofs, landings, balconies and platform	350.00 m ²	581.42 / m ²	203497.00	203497.00	581.42 / m ²	238.870	0.000	238.870 m ²	138,883.80	64613.20
Lintels, beams, plinth beams, girders, bressumers and :vers	325.00 m ²	480.82 / m ²	156266.50	156266.50	480.82 / m ²	333.938	0.012	333.950 m ²	160,569.84	4.3
Columns, Pillars, Piers, Abutments, Posts and Struts	149.00 m ²	656.26 / m ²	97782.74	97782.74	656.26 / m ²	149.895	29.645	179.540 m ²	117,824.92	20.0
Stairs, (excluding landings) except spiral staircases	11.00 m ²	572.74 / m ²	6300.14	6300.14	572.74 / m ²	19.449	0.001	19.450 m ²	11,139.79	4.3
Edges of slabs and breaks in floors and walls	183.00 m ²	168.50 / m ²	30835.50	30835.50	168.50 / m ²	16.282	0.000	16.282 m ²	2,743.52	28091.98
Weather shade, Chajjas, corbels etc., including edges	50.70 m ²	712.72 / m ²	36134.90	36134.90	712.72 / m ²	50.120	0.000	50.120 m ²	35,721.53	413.37
Providing and laying in position specified grade of orced cement concrete, excluding the cost of centering, ering, finishing and reinforcement-All work up to plinth : 1:1.5:3 (1 cement:1.5 coarse sand : 3 graded stone :gate 20mm nominal size	44.50 m ³	9018.83 / m ³	401337.94	401337.93	9018.83 / m ³	34.028	0.022	34.050 m ³	307,091.16	94246.77

Sl. No.	Original Estimate	Revised Estimate						Savings (minus)			
		Quantity	Rate	Amount	Total	Rate	Already executed		To be executed	TOTAL Quantity	Amount
10	Sub-heads of estimates and items of works										
11	5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string course, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement. 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	8.00	m ³	10240.75 / m ³	81926.00	10240.75 / m ³	6.545	1.925	8.470	m ³	86,739.15
14	5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	65.20	m ³	9812.12 / m ³	639750.22	9812.12 / m ³	not done		not done	m ³	639750.22
15	5.2.2.6 Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut.	13150.00	kg	98.58 / kg	1296327.00	98.58 / kg	9596.479	298.521	9895.000	kg	975,449.10
16	13.1.1 Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick	903.00	m ²	236.46 / m ²	213523.38	236.46 / m ²	871.510	624.490	1496.000	m ²	353,744.16
17	13.16.1 Plastering with cement mortar 1:3 (1 cement:3 fine sand), 6mm thick including a neat cement flushing coat	450.00	m ²	194.99 / m ²	87745.50	194.99 / m ²	395.474	277.956	673.430	m ²	131,312.12
18	11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume, Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	57.00	m ²	1136.94 / m ²	64805.58	1136.94 / m ²	0.000	346.000	346.000	m ²	393,381.24
19	11.36 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry@3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	21.00	m ²	1211.13 / m ²	25433.73	1211.13 / m ²	0.000	26.000	26.000	m ²	31,489.38
20	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer	100.50	m ³	162.71 / m ³	16352.36	162.71 / m ³	154.171	-0.001	154.170	m ³	25,085.00

[illegible]

Sub-heads of estimates and items of works		Quantity	Rate	Amount	Total	Rate	Amount	Quantity	executed	executed	Rate	Amount	Quantity	Amount	(initial)
9.63.2	Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm	12.00	E	84.90 / E	1018.80		1018.80	E	10.000	2.000	84.90 / E	1,018.80	E	1,018.80	
9.65.1	Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:5930 with screws etc. complete:	6.00	E	100.75 / E	604.50		604.50	E	5.000	1.000	100.75 / E	604.50	E	604.50	
15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	2.30	m ³	1292.27 / m ³	2972.22		2972.22		2.270	0.004	1292.27 / m ³	2,938.62	m ³	2,938.62	33.60
15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	16.10	m ³	796.90 / m ³	12830.09		12830.09		16.060	0.000	796.90 / m ³	12,798.21	m ³	12,798.21	31.88
15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhais, architrave, holdfasts etc. complete and stacking within 50 metres lead	15.00	E	204.47 / E	3067.05		3067.05	E	15.000	0.000	204.47 / E	3,067.05	E	3,067.05	
15.14.2	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres	1169.00	m	9.91 / m	11584.79		11584.79	m	1169.000	0.000	9.91 / m	11,584.79	m	11,584.79	
15.31	Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	248.00	m ²	111.97 / m ²	27768.56		27768.56	m ²	248.000	0.000	111.97 / m ²	27,768.56	m ²	27,768.56	
15.7.4	Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in cement mortar	48.00	m ³	1091.63 / m ³	52398.24		52398.24	m ³	47.880	0.010	1091.63 / m ³	52,278.16	m ³	52,278.16	170.08
13.50.1	Applying priming coat: with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	111.00	m ²	47.69 / m ²	5293.59		5293.59	m ²	71.110	8.819	47.69 / m ²	3,811.81	m ²	3,811.81	1481.78
Appendix B (Electrification works)															
Supply and wiring points as per IS 732 -1989 in medium gauge pvc conduit 20mm with specials, using 1.0sq mm pvc insulated stranded single core copper wire 650/1100 V, with 2.03continuous copper earth wire, clamping using metal saddles spacing not to exceed 50cm suitable size metal switch boxes with upto and including 6A modular type SP switch and plates, 6A 3 plate ceiling rose; copper wire of the specification and size of 1.5 sq mm should be used in 2 runs as circuit to switch board.(All the materials should have departmental approval).															
10	Ceiling rose point	26.00	E	800.05 / E	20801.30		20801.30	E	0	30	800.05 / E	24,001.50	E	24,001.50	

[illegible]

Sub-heads of estimates and items of works	Original Estimate				Revised Estimate			
	Quantity	Rate	Amount	Total	Already executed	To be executed	TOTAL Quantity	Amount
Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A)								
6 A SP 1 way switch	10.00	132.64 / E	1326.40	1326.40	0	10	10	1,326.40
6A2M 3pin plug	20.00							
16A SP one way switch	3	169.44 / E	3388.80	3388.80	0	20	20	3,388.80
6/16A Socket	1.00	183.54 / E	183.54	183.54	0	1	1	183.54
Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB, isolator etc. including providing blanking plates in the blanking slots, fixed on wall	1.00	247.94 / E	247.94	247.94	0	1	1	247.94
Supply and fixing the following rating of MCB isolators and giving connections.								
40A 4Pole	1.00	858.82 / E	858.82	858.82	0	1	1	858.82
Supply and fixing the following rating of MCB and giving connections.								
5 to 32A SP MCB	12.00	203.72 / E	2444.64	2444.64	0	12	12	2,444.64
Supply and fitting following type and ratings of in the existing Distribution board including connections.								
RCCB 4 pole 40A, 30mA	1.00	2802.32 / E	2802.32	2802.32	0	1	1	2,802.32
Supply and fitting MS rod type fan clamp for RCC slab early painted with two coats of enamel paint	20.00	223.04 / E	4460.80	4460.80	0	20	20	4,460.80
Supply conveyance, installation, testing and commissioning of 1200 mm sweep Ac ceiling fan (B Category) using standard accessories, wiring the down rod with 16/02mm insulated and pvc sheathed 650/1100V grade 3 core, round copper conductor flex	20.00	1836.44 / E	36728.80	36728.80	0	20	20	36,728.80
Supply conveyance, installation, testing and commissioning of following types of light fittings made from CRCA sheet 5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or tending the original wiring and giving connections as required								
28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, HS compliant, high lumen tube.	20.00	1682.45 / E	33649.00	33649.00	0	26	26	43,743.70
Providing independent ordinary pipe earthing using 1.85" of 40 mm dia GI pipe, earth wire copper and other materials such as common salt, charcoal bolts and nuts etc.	2.00	1400.79 / E	2801.58	2801.58	0	3	3	4,202.37

[illegible]

Original Estimate				Revised Estimate			
Quantity	Rate	Amount	Total	Already executed	To be executed	TOTAL Quantity	Amount
Sub-heads of estimates and items of works							
Supply and fitting cast alluminium stove enamelled elliptical shape bulk head fitting with porcelain holder and meshguard with front clear glass and 14w CF lamp, to wall including giving connections using 16/0.20 mm pvc insulated and sheathed 3core wire.				0	3	3	1,092.54
Supply and fitting 63A 4 1/2 5V HRC type porcelain fuse unit in the existing fuse box and giving connections.				0	3	3	768.72
63 A Fuse unit				0	6	6	1,660.62
Supply and laying and clamping of 40mm dia 'B' class GI pipe on surface of wall / parapetetc. As protective covering to earth lead / cable / as service pipe etc.				0	1	1	839.42
40mm dia GI Pipe as Service pipe				0	1	1	334.92
Supply and fitting GI bracket bend in proper shape for fixing 70/72 W LED (or nearest available wattage) lamp street light fitting made of 40mm dia GI pipe . 1.00 mtr length with clamps bolts and nuts etc. complete.				0	1	1	839.42
Supply and fitting 40mm dia GI bracket				0	1	1	334.92
Fitting charges of LED street fittings 40/45/70/72/110W on the existing GI bracket fitted with the electric post laying necessary lead wires and giving proper connections.				0	1	1	9,677.00
Supplying of 70/72 LED street light luminaire with epoxy powder coated pressure die-cast aluminium housing with heat resistant toughened clear glass fixed with SS screws. Manufacturer name engraved / embossing in housing to allow traceability till life of fixture (stickering and printing is not acceptable) with operating voltage range (140 - 270V AC). The luminaire shall be minimum IP66 protected. LED driver has protection against over voltage and short circuit with LED driver efficiency should be greater than 85% with CRI greater than 75 and with colour temperature 5700K range. minimum 3KV surge protection in driver, LED having 50,000 burning hours with minimum 70% lumen maintenance and power factor 0.90 with THD less than 10%. System consumption should be 70/72 = 5W with lumen package of 100 lumens / watt. (Osram / Philips / Bajaj or equivalent make with three year minimum warranty)				0	1	1	9,677.00
Contingency			9041.07				309.00
Total			4990000.00				5612007.16
			5612007.16				1876993.51
			-622007.16				-622007.16


EXECUTIVE ENGINEER
 LSGD CORPORATION OF COCHIN
 ASSISTANT EXECUTIVE ENGINEER
 EAST ZONAL OFFICE
 LSGD CORPORATION OF COCHIN

4
9818
AER
23
16818
ER

പി. ടി. തോമസ്
(തൃക്കാക്കര)
മെമ്പർ
കേരള നിയമസഭ
പുതിയാപറമ്പിൽ വീട്
44/1362, വയലാശ്ശേരി റോഡ്
പാലാരിവട്ടം
കൊച്ചി-25



ഓഫീസ് ഫോൺ
തിരുവനന്തപുരം : 0471-2512326
തൃക്കാക്കര : 0484-2346900
മൊബൈൽ : 9447029595

ചന്ദ്രഗിരി ബ്ലോക്ക്-403,
എം.എൽ.എ. ഫോസ്റ്റൽ,
തിരുവനന്തപുരം

ഇ-മെയിൽ : ptthomasidk@gmail.com
വെബ്സൈറ്റ് : www.ptthomas.in

സ്ഥലം പാലാരിവട്ടം

തീയതി 02/08/18

Phone

TeleFA
email: cel
www.celsi

തീയതി

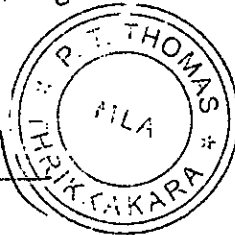
To
C.E
LSGD

1 C.E

G.O (RD) NO. 2379/15 LSGD

Thisyuvananthapuram dt. 03/08/2015 ബസ്സ് സ്റ്റാൻഡ്
സമുച്ചയം പുതിയ തെടി നിർമ്മാണത്തിന് 49.90 Lx.
G.O ഭരണത്തിന്. എന്നാൽ 23 ആയിരം നിർമ്മാണം
പൂർത്തിയാക്കുവാൻ സാധിക്കാത്തതിനാൽ എല്ലാത്താളി
ആയിരം 6,22,000/- രൂപ അധികമായിട്ടുണ്ട്. ഭരണനിന്നും
ടി എല്ലാത്താളി റിവേന്യൂ ചെക്ക് അംഗീകരിക്കുവാൻ 22
നാലടി പ്രീകരിക്കുവാൻ അഭ്യർത്ഥിക്കുന്നു

സർവ്വേയർ



P T THOMAS
OFFICE

വിശ്വസ്തതയോടെ

ചീഫ് എഞ്ചിനീയർ

12 CO
07

11-9-18
൧൨

ഭരണഭാഷ - മാതൃഭാഷ

ചീഫ് എഞ്ചിനീയറുടെ കാര്യാലയം
തദ്ദേശസ്വയം ഭരണ വകുപ്പ്
റവന്യൂ കോസ്റ്റക്സ്, മൂന്നാംനില
പബ്ലിക് ഓഫീസ് ബിൽഡിംഗ്,
തിരുവനന്തപുരം

Phone : 0471-2324951
0471-2325071
TeleFAX: 0471-2324951
email: celsgd@gmail.com
website: www.celsgd.kerala.gov.in

നം. ഡിബി2/3902/18/സിഇ/എൽ.എസ്.ജി.ഡി

തീയതി 21/08/2018

പ്രേഷകൻ

ചീഫ് എഞ്ചിനീയർ

ഗ്രാഹകൻ

സെക്രട്ടറി,
കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ
സർ,

വിഷയം:- തദ്ദേശസ്വയംഭരണ (എഞ്ചിനീയറിംഗ്) വിഭാഗം - കൊച്ചി മുനിസിപ്പൽ
കോർപ്പറേഷൻ - വൈറ്റില മേഖല - ബഹു.ബനി ബെഹന്നാൻ
എം.എൽ.എ ആസ്തി വികസന ഫണ്ടിൽ ഉൾപ്പെട്ട വെണ്ണല
ഗവ.എൽ.പി.എസ് കെട്ടിടം നിർമ്മാണം - സംബന്ധിച്ച്

സൂചന:- താങ്കളുടെ 3.07.2018 ലെ KREI-3118/15 നമ്പർ കത്ത്.

സൂചനയിലേക്ക് ശ്രദ്ധ ക്ഷണിക്കുന്നു. മേൽ വിഷയവുമായി ബന്ധപ്പെട്ട പ്രവൃത്തിയുടെ
റിവൈസ്ഡ് എസ്റ്റിമേറ്റ് പ്രകാരമുള്ള അധികരിച്ച തുകക്ക് ഭരണാനുമതി
ലഭിക്കുന്നതിലേക്കായി എസ്റ്റിമേറ്റ് റിപ്പോർട്ട്, ചെക്ക് ലിസ്റ്റ്, കെട്ടിടത്തിന്റെ ഡ്രായിംഗുകൾ
(സൈറ്റ് പ്ലാൻ ഉൾപ്പെടെ) എം.എൽ.എ യുടെ കത്ത് എന്നിവയടക്കം ടി കാര്യാലയത്തിൽ
ലഭ്യമാക്കേണ്ടതാണ്.

വിശ്വസ്തയോടെ,

ചീഫ് എഞ്ചിനീയർ

ചിഫ് എഞ്ചിനീയറുടെ കാര്യലയം
തദ്ദേശസ്വയം ഭരണ വകുപ്പ്
റവന്യൂ കോസ്റ്റക്സ്, മൂന്നാംനില
പബ്ലിക് ഓഫീസ് ബിൽഡിംഗ്,
തിരുവനന്തപുരം

website: www.celsgd.kerala.gov.in

തീയതി /12/2018

സർ,

സൂചന:- താങ്കളുടെ 5.12.2018 ലെ KREI-3118/15 നമ്പർ കത്ത്.

 സൂചനയിലേക്ക് ശ്രദ്ധ ക്ഷണിക്കുന്നു. ~~പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട~~ ^{പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട}
 സർക്കാരിലേക്ക് കത്ത് നൽകുന്നതിനായി ~~(X) (പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട)~~ ^{(X) (പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട)} പ്രവൃത്തി എത്ര ശതമാനം
 പൂർത്തിയായി ~~എന്നുള്ള വിവരങ്ങൾ~~ ^{എന്നുള്ള വിവരങ്ങൾ} അടിയന്തിരമായി അറിയിക്കേണ്ടതാണ്. ~~സിവിൽ എഞ്ചിനീയറാണ്~~ ^{സിവിൽ എഞ്ചിനീയറാണ്}

1) പദ്ധതിയിൽ അനുയോജിതമായ പദ്ധതികൾ
 തിരഞ്ഞെടുക്കുക 6,22,000/- രൂപയ്ക്ക്
 2) പദ്ധതിയിൽ നിക്ഷേപം ചെയ്ത പദ്ധതികൾ
 പ്രവർത്തനം നടത്തിക്കൊണ്ടിരിക്കുന്നു
 മെമ്പർമാർക്ക് വിവരങ്ങൾ.

IN
PB 2

൧൮

~~FD~~ HD3

28/12/18
AEE2

28/12/18

~~28/12~~

22/12

15859
12/12/18



കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ

ഫോൺ 2369007, 2369196
2369143, 2369149
2369197, 2369069
ഫാക്സ് 91484-2369023

കോർപ്പറേഷൻ ഓഫീസ്
പി.ബി നമ്പർ 1061
എറണാകുളം, കൊച്ചി 682 011

KRE1-3118/15

Date: 05/12/2018

ചീഫ് എഞ്ചിനീയർ,
തദ്ദേശസ്വയമഭരണ വകുപ്പ്,
തിരുവനന്തപുരം..

സർ,

വിഷയം: കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ- വൈറ്റില മേഖല - ബഹു.ബെന്നി ബെഹന്നാൻ എം.എൽ.എ.യുടെ ആസ്തി വികസന ഫണ്ടിൽ ഉൾപ്പെട്ട വെണ്ണല ഗവ: എൽ.പി.എസ്.കെട്ടിടം നിർമ്മാണം - റിവൈസ് എസ്റ്റിമേറ്റ് സംബന്ധിച്ച്.

സൂചന: അങ്ങയുടെ ഓഫീസിലെ 21.08.2018 തീയതിയിലെ DB2-3902/18/CE/LSGD നമ്പർ കത്ത്.

സൂചന കത്ത് പ്രകാരം മേൽ വിഷയവുമായി ബന്ധപ്പെട്ട പ്രവർത്തിയുടെ റിവൈസ്ഡ് എസ്റ്റിമേറ്റ് പ്രകാരമുള്ള ഭരണാനുമതി ലഭിക്കുന്നതിലേയ്ക്കായി ആവശ്യപ്പെട്ടിട്ടുള്ള റേഖൾ ഇതോടൊപ്പം അയയ്ക്കുന്നു. റിവൈസ്ഡ് എസ്റ്റിമേറ്റ് അംഗീകരിച്ച് നൽകണമെന്ന് അപേക്ഷിക്കുന്നു.

വിശ്വസ്തതയോടെ,

ഉള്ളടക്കം:

- 1) ബഹു.എം.എ.യുടെ കത്ത്.
- 2) എസ്റ്റിമേറ്റ് റിപ്പോർട്ട്.
- 3) ചെക്ക് ലിസ്റ്റ്
- 4) കെട്ടിടത്തിന്റെ ഡ്രോയിംഗ് (Plan & site Plan)

സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ
SUPERINTENDING ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN

എം.എൽ.എ.യുടെ പേര്	ശ്രീ. ബനീ ബഹനാൻ
പ്രവൃത്തിയുടെ പേര്	വെണ്ണല ഗവ. എൽ.പി സ്കൂളിൽ ക്ലാസ് മുറികൾ നിർമ്മാണം
എസ്റ്റിമേറ്റ് തുക	49,90,000.00
നിർവഹണ ഏജൻസിയുടെ പേര്	കൊച്ചി നഗരസഭ
എസ്റ്റിമേറ്റ് തയ്യാറാക്കിയത് (ഏജൻസിയുടെ പേര് / വകുപ്പ് / തദ്ദേശ സ്വയംഭരണ സ്ഥാപനങ്ങൾ)	കൊച്ചി നഗരസഭ, എൻജിനീയറിങ് വിഭാഗം
എം എൽ എ നിർദ്ദേശിച്ച തുക	49,90,000.00
എസ്റ്റിമേറ്റ് തയ്യാറാക്കിയത് ഏറ്റവും പുതിയ SoR (പകാരമാണോ വ്യക്തമാക്കുക (Price Software)	അല്ല
തയ്യാറാക്കിയ എസ്റ്റിമേറ്റ് അംഗീകരിക്കുന്നത് അധികാരപ്പെട്ട ഉദ്യോഗസ്ഥനാണോ	അതെ
തടസ്സമില്ലാത്ത ഭൂമി ലഭ്യമാണോ	അതെ
തയ്യാറാക്കിയ എസ്റ്റിമേറ്റ് സംസ്ഥാന ബഡ്ജറ്റിൽ ഉൾപ്പെടുത്തിയിട്ടുള്ളതാണോ	ഇല്ല
1 വനം വകുപ്പ് / ഇന്ത്യാ ഗവൺമെന്റ് / റെയിൽവേ മറ്റേതെങ്കിലും വകുപ്പുകൾ / അധികാരികൾ എന്നിവരിൽ നിന്നും ക്ലിയറൻസ് ആവശ്യമായിട്ടുണ്ടോ ഉണ്ടെങ്കിൽ വിവരങ്ങൾ ലഭ്യമാക്കുക	ഇല്ല
2 നിർദ്ദേശം പുതിയതോ അതോ നിലവിലുള്ളത് ശക്തിപ്പെടുത്തുന്നതിനോ ആണോ	പുതിയത്
3 പ്രവൃത്തിയുടെ സ്വഭാവം (അറ്റകുറ്റപ്പണി / നിർമ്മാണം / പുനരുദ്ധാരണം / സ്ഥപിക്കൽ / വാങ്ങൽ / സഹായനം / മറ്റേതെങ്കിലും ഇനം) പ്രവൃത്തി മൂലധന സ്വഭാവമുള്ളതാണോ	നിർമ്മാണം
4 പ്രവൃത്തി മൂലധന സ്വഭാവമുള്ളതാണോ	അതെ
5 ആവർത്തന ചെലവ് ഉൾപ്പെട്ടതാണോ	ഇല്ല
6 ശുപാർശ ഏതെങ്കിലും പ്രധാനപ്പെട്ട (പാജക്ടുകളുടെ ഭാഗമായിട്ടുള്ളതാണോ	ഇല്ല
7 നിക്ഷേപ പ്രവൃത്തിയാണോ	---
8 ഏതെങ്കിലും തസ്തിക സൃഷ്ടിക്കൽ ഉൾപ്പെട്ടിട്ടുണ്ടോ	ഇല്ല
19 നിർമ്മാണ പ്രവൃത്തി നടത്താനുദ്ദേശിക്കുന്ന ഭൂമി ഏതെങ്കിലും സൊസൈറ്റി / ട്രസ്റ്റ് / തദ്ദേശ സ്വയംഭരണ സ്ഥാപനങ്ങൾ / കേരള സർക്കാർ / സ്വയംഭരണ സ്ഥാപനങ്ങൾ / ഇന്ത്യാ ഗവൺമെന്റ് അധീനതയിലുള്ളതാണോ ആണെങ്കിൽ ടി സ്ഥാപനത്തിന്റെ അനുമതി പത്രം നിർബന്ധമാണ്	കേരള സർക്കാർ കൊച്ചി നഗരസഭ
20 എസ്റ്റിമേറ്റിൽ താഴെപ്പറയുന്നവയിലേതെങ്കിലും ഉൾപ്പെട്ടിട്ടുണ്ടോ എ) അഡ്മിനസ്ട്രേറ്റീവ് ചാർജ്ജസ് ബി) സെന്റേജ് ചാർജ്ജസ് സി) ഓവർഹെഡ് ചാർജ്ജസ് ഡി) സൂപ്പർവിഷൻ ചാർജ്ജസ്	ഇല്ല ഇല്ല ഉണ്ട് ഇല്ല
21 പദ്ധതി നിർദ്ദേശത്തിൽ ഐതെങ്കിലും വാണിജ്യപരമായ പ്രവർത്തനങ്ങൾ ഉൾപ്പെട്ടിട്ടുണ്ടോ	ഇല്ല
22 ഏതെങ്കിലും ഫണ്ടിനോട് ചേർത്ത് ഉപയോഗിക്കുന്നതാണോ ആണെങ്കിൽ വിശദവിവരങ്ങൾ	എം.എൽ.എ.. എഡിഎസ്

AE

AEE

EXECUTIVE ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN

SE

CE

SABU KUMAR P. R
ASSISTANT ENGINEER
LS G.D.
MUNICIPAL CORPORATION

KANSAR. J
ASSISTANT EXECUTIVE ENGINEER
EAST ZONAL OFFICE
MUNICIPAL CORPORATION OF COCHIN

SUPERINTENDING ENGINEER
LSGD

എസ്റ്റിമേറ്റ് റിപ്പോർട്ട്

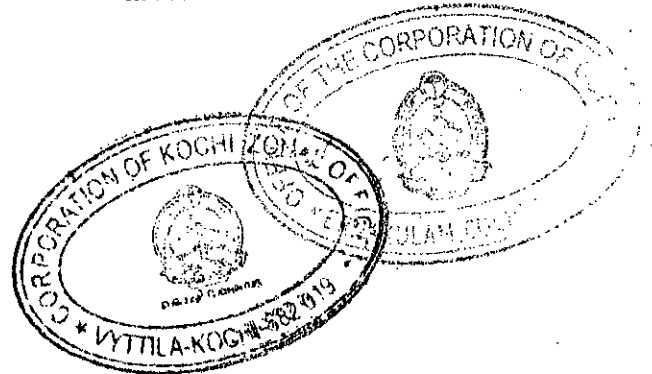
കൊച്ചി നഗരസഭ 46-ാം ഡിവിഷനിലെ വെണ്ണല എൽ.പി.സ്കൂളിൽ നിലവിലുള്ള പഴകിയ കെട്ടിടം പൊളിച്ച് നിക്കം ചെയ്ത് പുതിയ കെട്ടിടം നിർമ്മിക്കുന്നതിനാണ് അംഗീകാരം ലഭിച്ചിരിക്കുന്നത്.

ജോലി കരാറുകാരൻ ആരംഭിച്ച് ഭാഗികമായി പൂർത്തീകരിച്ച് കഴിഞ്ഞിട്ടുണ്ട്. നിർമ്മാണം ആരംഭിക്കുന്നതിനായി നിലവിലുള്ള കെട്ടിടം പൊളിച്ച് നിക്കം ചെയ്യുകയും അംഗീകൃത പ്ലാൻ പ്രകാരം കെട്ടിട നിർമ്മാണത്തിനായി സെറ്റൗട്ട് ചെയ്തപ്പോൾ നിലവിലുള്ള പ്ലാൻ പ്രകാരം ടി സ്ഥലത്ത് നിർമ്മാണം നടത്തുക സാധ്യമല്ലാത്തതിനാൽ നിലവിലുള്ള PTA യുടെ കൂടി തീരുമാനമനുസരിച്ച് കെട്ടിടത്തിന്റെ ഡിസൈൻ മാറ്റം വരുത്തി തെക്കു വടക്ക് 4 ക്ലാസ്സ് മുറികളും സ്റ്റേയർ റൂം എന്നിവയും കിഴക്കു പടിഞ്ഞാറായി ഒരു ക്ലാസ്സ് മുറിയും ഇതിനോട് ചേർത്തുതന്നെ എന്ന രീതിയിലും 'L' shape ലാണ് നിർമ്മാണം നടന്നു വരുന്നത്. കിഴക്കുഭാഗത്തേക്ക് 1.50m ഓളം മാറ്റി സൗകര്യ പ്രകാരം സ്ഥാപിക്കേണ്ടി വന്നതിനാൽ പടിഞ്ഞാറു ഭാഗത്തുള്ള ഗ്രൗണ്ട് ലെവലിൽ നിന്നും 1.20m താഴ്ന്നു നിൽക്കുന്നു. ആയതിനാൽ ഫൗണ്ടേഷൻ റീ-ഡിസൈൻ ചെയ്ത് നിർമ്മാണം നടത്തിയിരിക്കുന്നു. ക്ലാസ്സ് മുറിയുടെ ഉൾവശം SSA പദ്ധതി പ്രകാരമുള്ള നിയമം പാലിക്കുന്നതിനായി 6.00 X 6.00 എന്നത് 6.20 X 6.20 size ലും ഉയരം 3.00m എന്നത് 3.60m ആയിട്ടും പുനക്രമീകരിച്ചും നടത്തിയിരിക്കുന്നു. മേൽ പറഞ്ഞ കാരണങ്ങളാൽ അനുപാതികമായി വ്യതിയാനം എസ്റ്റിമേറ്റിൽ വരുത്തിയും, 15-ാം ഇനമായ Roof concreting 1:2:4 അനുപാതത്തിൽ ആണ് എസ്റ്റിമേറ്റിൽ ഉൾപ്പെടുത്തിയിരിക്കുന്നത്, എന്നാൽ Roof concreting 1:1¹/₂:3 അനുപാതത്തിൽ ആയിരിക്കണമെന്ന് നിലവിലുള്ള സർക്കുലറിന്റെ അടിസ്ഥാനത്തിലാണ് ജോലി പൂർത്തീകരിച്ചിരിക്കുന്നത്. ആയതു പ്രകാരമുള്ള മാറ്റം വരുത്തി ടി ജോലി പൂർണ്ണമായും പൂർത്തീകരിക്കുന്നതിന് തയ്യാറാക്കിയിട്ടുള്ള അടങ്കൽ 56,12,000.00 രൂപയാണ്. ടി തുക MLA ADS ഫണ്ടിൽ നിന്നും AS ലഭിച്ചിട്ടുള്ള 49,90,000.00 രൂപയും ബാക്കി വരുന്ന 6,22,000.00 രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചിലവാക്കി പൂർത്തീകരിക്കുന്നതിനാണ് പദ്ധതി തയ്യാറാക്കിയിരിക്കുന്നത്.


ASSISTANT ENGINEER
 EAST ZONAL OFFICE
 CORPORATION OF COCHIN
 VYTTILA, COCHIN - 19


ASSISTANT EXECUTIVE ENGINEER
 EAST ZONAL OFFICE
 CORPORATION OF COCHIN
 VYTTILA, COCHIN - 19


SUPERINTENDING ENGINEER
 LSGD
 MUNICIPAL CORPORATION OF COCHIN



പി. ടി. തോമസ്

(തൃക്കാക്കര)

മെമ്പർ

കേരള നിയമസഭ

പുതിയാപറമ്പിൽ വീട്

44/1962, വയലാറ്റൂരി റോഡ്

പാലാരിവട്ടം

കൊച്ചി-25



ഓഫീസ് ഫോൺ

തിരുവനന്തപുരം : 0471-2512326

തൃക്കാക്കര : 0484-2346900

മൊബൈൽ : 9447029595

ചന്ദ്രഗിരി ബ്ലോക്ക്-403,

എം.എൽ.എ. ഫോസ്റ്റൽ,

തിരുവനന്തപുരം

ഇ-മെയിൽ : pthomasidk@gmail.com

വെബ്സൈറ്റ് : www.ptthomas.in

സമര പാലാരിവട്ടം

തീയതി 02/08/18

To

C.E

LSGD

1 C.E

റ.റ. (R.D) NO. 2379/15 LSGD

Thisuvananthapuram Dt. 03/08/2015 ബജറ്റിലെ ഗവ. L.P

സർവ്വേ പുതിയ തെടി നിർമ്മാണത്തിന് 49.90 Lx.

റ.റ. ഭൂമിയിൽ നിന്നും 23 ആക്കി നിർമ്മാണം

പുനർനിർമ്മാണ സാധിതത്തിനും നിർമ്മാണം

ആക്കി 6,22,000/- രൂപ അധികമായിട്ടുണ്ട്. ഭൂമിയിൽ

നിർമ്മാണം വിവരങ്ങൾ ചേർത്ത് അധികരിച്ചുവെച്ചു

നാലടി സ്വീകരിക്കുവാൻ അഭ്യർത്ഥിക്കുന്നു

സർവ്വേ

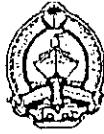


P. T. THOMAS

MLA OFFICE

PALARIVATTOM

076
5/06/19



കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ

ഫോൺ 2369007, 2369196
2369143, 2369149
2369197, 2369069
ഫാക്സ് 91484 2369023

കോർപ്പറേഷൻ ഓഫീസ്
പി.ബി.നമ്പർ 1016
എറണാകുളം, കൊച്ചി 682 011

KRE1-3118/15

തീയതി. 16/05/2019

സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ,
കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ,

ചീഫ് എഞ്ചിനീയർ,
തദ്ദേശസ്വയംഭരണ വകുപ്പ്.

സർ,

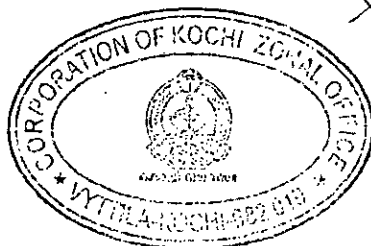
വിഷയം: കൊച്ചി നഗരസഭ വൈറ്റില മേഖല - ബഹു:ബെന്നി ബെഹനാൻ
എം.എൽ.എ യുടെ ആസ്തി വികസന പദ്ധതിയിൽ ഉൾപ്പെട്ട വെണ്ണല
ഗവ.എൽ.പി.എസ് കെട്ടിടം നിർമ്മാണം - സംബന്ധിച്ച്.

സൂചന: അങ്ങയുടെ 29/12/18-ലെ ഡിബി 3902/18/സിഇ/എൽ.എസ്.ജി.ഡി നമ്പർ
കത്ത്.

കൊച്ചി നഗരസഭ വൈറ്റില മേഖല ബഹു:ബെന്നി ബെഹനാൻ എം.എൽ.എ യുടെ
ആസ്തി വികസന പദ്ധതിയിൽ ഉൾപ്പെടുത്തി നടപ്പാക്കുന്ന വെണ്ണല ഗവ.എൽ.പി.എസ്
കെട്ടിട നിർമ്മാണം സംബന്ധിച്ച് ഉപരി സൂചിത കത്ത് പ്രകാരം ആവശ്യപ്പെട്ട റിപ്പോർട്ട്
ഇതോടൊന്നിച്ച് ഉള്ളടക്കം ചെയ്യുന്നു.

വിശ്വസ്തതയോടെ,

സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ





കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ

ഫോൺ 2369007, 2369196
2369143, 2369149
2369197, 2369069
ഫാക്സ് 91484 2369023

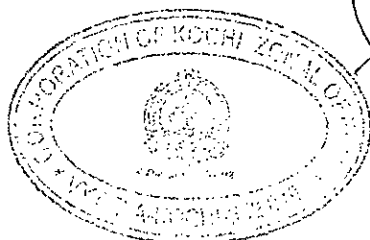
കോർപ്പറേഷൻ ഓഫീസ്
പി.ബി.നമ്പർ 1016
എറണാകുളം, കൊച്ചി 682 011

KRE1-3118/15

തീയതി. 16/05/2019

ബഹു.ചീഫ് എഞ്ചിനീയറുടെ 29/12/18-ലെ ഡിബി/3902/18/സി.ഇ നമ്പർ കത്തിന്റെ അടിസ്ഥാനത്തിൽ കൊച്ചി നഗരസഭ വൈറ്റില മേഖല - വെണ്ണല ഗവ.എൽ.പി.എസ് കെട്ടിടത്തിന്റെ നിർമ്മാണ പുരോഗതി സംബന്ധിച്ച റിപ്പോർട്ട്

കൊച്ചി നഗരസഭ വെണ്ണല ഗവ.എൽ.പി.സ്കൂൾ കെട്ടിട നിർമ്മാണത്തിനായി ബഹു.ബെന്നി ബഹനാൽ എം.എൽ.എ യുടെ ആസ്തി വികസന ഫണ്ട് ഉപയോഗിച്ച് തയ്യാറാക്കിയിട്ടുള്ള പ്രവൃത്തിയുടെ എസ്റ്റിമേറ്റിൽ റൂഫ് കോൺക്രീറ്റിംഗ് 1:2:4 എന്ന അനുപാതത്തിൽ നടത്തുന്നതിനാണ് നിഷ്കർഷിച്ചിരുന്നത്. എന്നാൽ നിലവിലുള്ള സർക്കുലർ പ്രകാരം ടി പ്രവൃത്തി CC 1:1.5:3 - ൽ പൂർത്തീകരിച്ചിട്ടുള്ളതും ആയത് റിഫൈൻഡ് എസ്റ്റിമേറ്റിൽ ഉൾപ്പെടുത്തിയിട്ടുള്ളതുമാണ്. കൂടാതെ ടൈൽ വർക്ക്, വുഡ് വർക്ക്, സ്റ്റൈപ്പി വർക്ക്, പ്ലാസ്റ്ററിംഗ്, സിമന്റ് ഗ്രൈന്റർ എന്നിവ പൂർത്തീകരിച്ചിട്ടുള്ളതും ആയത് റിഫൈൻഡ് എസ്റ്റിമേറ്റിൽ ഉൾപ്പെടുത്തി നിർമ്മാണം പൂർത്തീകരിച്ചിട്ടുള്ളതുമാണ്. Painting exterior coat റിഫൈൻഡ് എസ്റ്റിമേറ്റിൽ ഉൾപ്പെടുത്തിയിട്ടുണ്ട് എങ്കിലും ആയത് ആരംഭിച്ചിട്ടില്ലാത്തതാണ്. ഇതൊഴികെ ടി പ്രവൃത്തിയുടെ 98% ഉം പൂർത്തീകരിച്ചിട്ടുള്ളതാണ് എന്ന വിവരം റിപ്പോർട്ട് ചെയ്യുന്നു.



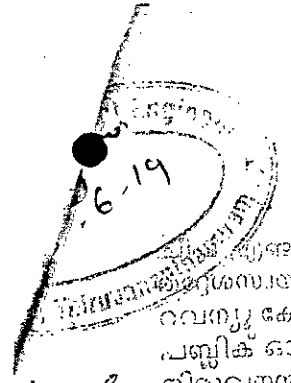
സുപ്രഭാഷിംഗ് എഞ്ചിനീയർ

25/12/18

✓

Handwritten notes and stamps on the left side of the page.

Handwritten notes and stamps at the bottom left corner.



ഭരണഭാഗം

Phone : 0471-2324951
0471-2325011
TeleFAX: 0471-2324951
email: celsgd@gmail.com
website: www.celsgd.kerala.gov.in

എഞ്ചിനീയറുടെ കാര്യപത്രം
തദ്ദേശസ്വയംഭരണ വകുപ്പ്
റവന്യൂ കോമ്പ്യൂട്ടർ, മൂന്നാംനില
പബ്ലിക് ഓഫീസ് ബിൽഡിംഗ്,
തിരുവനന്തപുരം

നം. ഡിബി2/3902/18/സിഇ/എൽ.എസ്.ജി.ഡി

തീയതി 23/12/2018

പ്രേക്ഷകൻ

ചീഫ് എഞ്ചിനീയർ

ഗ്രാഹകൻ

സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ
കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ

സർ,

വിഷയം:- തദ്ദേശസ്വയംഭരണ (എഞ്ചിനീയറിംഗ്) വിഭാഗം - കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ - എം.എൽ.എ - എ.ഡി.എസ് ബഹു.ബന്നി ബഹുനാൻ എം.എൽ.എ ആസ്തി വികസന ഫണ്ടിൽ ഉൾപ്പെട്ട വെണ്ണല ഗവ.എൽ.പി.എസ് കെട്ടിടം നിർമ്മാണം - സംബന്ധിച്ച്

സുപ്രണ്ടിംഗ് താങ്കളുടെ 5.12.2018 ലെ KREI-3118/15 നമ്പർ കത്ത്.

മേൽ വിഷയത്തിൽ പരാമർശിക്കുന്ന പ്രവൃത്തിയുമായി ബന്ധപ്പെട്ട് സർക്കാരിലേക്ക് കത്ത് നൽകുന്നതിനായി വർദ്ധിപ്പിച്ച നിരക്കിലുള്ള എസ്റ്റിമേറ്റ് പ്രകാരമുള്ള പ്രവൃത്തി നിലവിൽ നിർവ്വഹിച്ചിട്ടുണ്ടോയെന്നുള്ള വിവരവും പ്രവൃത്തി എത്ര ശതമാനം പൂർത്തിയായിയെന്നുള്ള വിവരവും Stage wise report ഉൾപ്പെടെ അടിയന്തിരമായി സമർപ്പിക്കേണ്ടതാണ്.

വിശ്വസ്തയോടെ,

Handwritten signature and stamp of the Chief Engineer.

DRAFT

“ഭരണഭാഷ-മാതൃഭാഷ”

ചീഫ് എഞ്ചിനീയറുടെ കാര്യാലയം
തദ്ദേശസ്വയംഭരണവകുപ്പ്
റവന്യൂ കോംപ്ലക്സ്, മൂന്നാംനില
പബ്ലിക് ആഫീസ് ബിൽഡിംഗ്
തിരുവനന്തപുരം -33

Phone : 0471 – 2324951

0471 – 2325071

Tele Fax : 0471 – 2324951

Email: celsgd@gmail.com

Website : www.celsgd.kerala.gov.in

നം. DB2/3902/2018/സീഇ/എൽ.എസ്.ജി.ഡി

തീയതി: /07/2019

പ്രേഷകൻ

ചീഫ് എഞ്ചിനീയർ

സ്വീകർത്താവ്

ഗവൺമെന്റ് അഡീഷണൽ ചീഫ് സെക്രട്ടറി,
തദ്ദേശസ്വയംഭരണ വകുപ്പ്,
തിരുവനന്തപുരം

സർ,

വിഷയം:- തദ്ദേശസ്വയംഭരണ വകുപ്പ് - സാങ്കേതിക വിഭാഗം - കൊച്ചി നഗരസഭ - വൈറ്റില മേഖല - വെണ്ണല ഗവ.എൽ.പി സ്കൂളിൽ ക്ലാസ് മുറികൾ നിർമ്മാണം എന്ന പ്രവൃത്തിയുടെ ഭരണാനുമതി പുതുക്കി നൽകുന്നത് - സംബന്ധിച്ച്

സൂചന:- കൊച്ചി സൂപ്രതം - മിമ്പിനിയം 16/5/2019 ലെ
KRE 1 - 3118/15 നമ്പർ കത്തും.

സൂചനയിലേക്ക് അങ്ങയുടെ ശ്രദ്ധ ക്ഷണിക്കുന്നു. കൊച്ചി നഗരസഭയിലെ ബഹു.ബെന്നി ബെഹനാൻ എം.എൽ.എ യുടെ ആസ്തി വികസന ഫണ്ടിൽ ഉൾപ്പെടുത്തി നിർമ്മിക്കുന്ന വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണത്തിന് സർക്കാരിന്റെ 03/08/2015 ലെ ജി.ഒ (ആർ.റ്റി) നം. 2379/15/എൽ.എസ്.ജി.ഡി നമ്പർ ഉത്തരവ് പ്രകാരം 49,90,000/- രൂപയ്ക്ക് ഭരണാനുമതി ലഭിച്ചിട്ടുള്ളതാണ്.

ഈ പ്രവൃത്തി നടപ്പിലാക്കുന്നതിനായി നിലവിലുള്ള കെട്ടിടം പൊളിച്ചു നീക്കം ചെയ്ത് കഴിഞ്ഞ് സെറ്റ് ഔട്ട് ചെയ്തപ്പോൾ അംഗീകരിച്ച പ്ലാൻ പ്രകാരം നിർമ്മാണം നടത്താൻ കഴിയാത്ത സാഹചര്യം ഉണ്ടായി. തുടർന്ന് കെട്ടിടത്തിന്റെ ഡിസൈനിൽ വ്യത്യാസം വരുത്തുകയും, ക്ലാസ് മുറികളുടെ ഉൾവശം

എസ്.എസ്.എ പദ്ധതി പ്രകാരം നിയമം പാലിക്കുന്നതിനായി 6.00x6.00 മീ പകരം 6.20x6.20 മീ അളവിലും, ഉയരം ^{3.60} ~~3.00~~ മീ ആയിട്ടും പുനഃക്രമീകരിക്കേണ്ടി വന്നു. ഇത് പ്രകാരം എസ്റ്റിമേറ്റ് റിവൈസ് ചെയ്തപ്പോൾ അടങ്കൽ തുക 49,90,000/- രൂപ അധികരിച്ച് 56,12,000/- രൂപയായി. ടി അധികരിക്കുന്ന തുകയായ 6,22,000/- രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചിലവാക്കി പൂർത്തീകരിക്കുന്നതിന് സർക്കാരിൽ നിന്നും അനുമതി നൽകണമെന്ന് ആവശ്യപ്പെട്ടിട്ടുണ്ട്. ടി തുക, പ്രവൃത്തി പൂർത്തീകരിക്കുന്നതിന് ആവശ്യമായ ഘടകമായതിനാൽ 6,22,000/- രൂപ തനത് ഫണ്ടിൽ നിന്നും ഉപയോഗിക്കുന്നതിന് പുതുക്കിയ ഭരണാനുമതി നൽകണമെന്ന് അഭ്യർത്ഥിക്കുന്നു.

മേൽ, ഫണ്ടിന്റെ റിപ്പോർട്ട്, ചെക്കിംഗ്, പ്ലാൻ & ഓൺ പ്ലാൻ ഫൈവ്
മെമ്പർമാർ ഉൾപ്പെടെയുള്ളവർക്ക് വിശദീകരിക്കാൻ,
വിശ്വസ്തതയോടെ,


ചീഫ് എഞ്ചിനീയർ

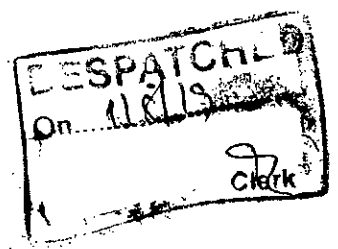
Bo
DB 2 എൻ.പി/-

10
HDS

W
ACE 2
12/7/19

W
18/8/19 Fo


7/4/19



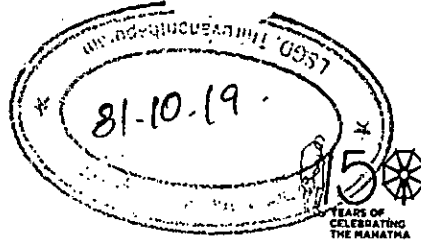
"ഭരണഭാഷ- മാതൃഭാഷ"

15708
9/11/19



കേരള സർക്കാർ

സംഗ്രഹം



തദ്ദേശ സ്വയംഭരണ വകുപ്പ് - ആസ്തിവികസനം - തുക്കാക്കര നിയോജകമണ്ഡലം - വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണ പ്രവൃത്തിക്ക് പുതുക്കിയ ഭരണാനുമതി - ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

തദ്ദേശ സ്വയംഭരണ (ഡിബി) വകുപ്പ്

G.O.(Rt)No.2401/2019/LSGD തീയതി,തിരുവനന്തപുരം, 29/10/2019

സർക്കാർ ഉത്തരവ് (അച്ചടി)നം. 332/12/ധന.തീയതി 11/06/2012.

പരാമർശം:- 1

2

സർക്കാർ ഉത്തരവ് (സാധാ.) നം.2379/2015/തസ്വഭവ തീയതി. 03.08.2015

3

തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എൻജിനീയറുടെ 17.07.2019 ലെ ഡി.ബി2-3902/2018/സി.ഇ/തസ്വഭവ നമ്പർ കത്ത്.

ഉത്തരവ്

തുക്കാക്കര നിയോജകമണ്ഡലത്തെ പ്രതിനിധീകരിച്ചിരുന്ന ശ്രീ. ബഹു.ബെന്നി ബെഹനാൻ എം.എൽ.എ യുടെ 2015-16 സാമ്പത്തിക വർഷത്തെ ആസ്തിവികസന പദ്ധതിയിൽ നിന്നും നിർമ്മിക്കുന്ന വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണം എന്ന പ്രവൃത്തിക്ക് പരാമർശം (2) ലെ സർക്കാർ ഉത്തരവിലൂടെ ആകെ അടങ്കൽ തുകയായ 49,90,000/-ലക്ഷം രൂപ (നാൽപ്പത്തിയൊൻപത് ലക്ഷത്തി തൊണ്ണൂറായിരം രൂപ മാത്രം) യുടെ ഭരണാനുമതി നൽകിയിട്ടുള്ളതാണ്. ഈ പ്രവൃത്തി നടപ്പിലാക്കുന്നതിനായി നിലവിലുള്ള കെട്ടിടം പൊളിച്ച് നീക്കം ചെയ്തുകഴിഞ്ഞു സെറ്റ് ഔട്ട് ചെയ്തപ്പോൾ അംഗീകരിച്ച പ്ലാൻ പ്രകാരം നിർമ്മാണം നടത്താൻ കഴിയാത്ത സാഹചര്യം ഉണ്ടായി. തുടർന്ന് കെട്ടിടത്തിന്റെ ഡിസൈനിൽ വ്യത്യാസം വരുത്തുകയും ക്ലാസ് മുറികളുടെ ഉൾവശം എസ്.എസ്.എ പദ്ധതി പ്രകാരം നിയമം പാലിക്കുന്നതിനായി 6.00*6.00മീ പകരം 6.20*6.20മീ അളവിലും ഉയരം 3.60 മീ ആയിട്ടും പുനഃക്രമീകരിക്കേണ്ടി വന്നു. ഇത് പ്രകാരം എസ്റ്റിമേറ്റ് റിവൈസ് ചെയ്തപ്പോൾ അടങ്കൽ തുക അധികരിച്ച് 56,12,000/-രൂപയായി.ഇങ്ങനെ അധികരിക്കുന്ന തുകയായ 6,22,000/- രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചെലവാക്കി പൂർത്തീകരിക്കുന്നതിന് പുതുക്കിയ ഭരണാനുമതി നൽകണമെന്ന് പരാമർശം (2) ലൂടെ തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എൻജിനീയർ സർക്കാരിനോടഭ്യർത്ഥിച്ചിരുന്നു.

2 . സർക്കാർ ഇക്കാര്യം വിശദമായി പരിശോധിച്ചു. പരാമർശം(2) പ്രകാരം ഭരണാനുമതി

sender@ gmail. com.

നൽകിയ വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണം എന്ന പ്രവൃത്തിക്ക് മുഖ്യനിർണ്ണയ പ്രകാരം അധികരിക്കുന്ന തുകയായ 6,22,000/- (ആറ് ലക്ഷത്തി രണ്ടായിരം) രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചെലവാക്കണമെന്ന നിബന്ധനയിൽ 56,12,000/- (അമ്പത്തിയാറ് ലക്ഷത്തിൽ പന്ത്രണ്ടായിരം രൂപ) രൂപയും പുതുക്കിയ ഭരണാനുമതി, നൽകി ഉത്തരവാകുന്നു. വകുപ്പ് സംബന്ധമായ നടപടിക്രമങ്ങളും പരാമർശം (I) ലെ സർക്കാർ ഉത്തരവും പാലിക്കേണ്ടതാണ്.

3. പഴയ എസ്റ്റിമേറ്റ് പ്രകാരമുള്ള ചെലവ് '4515-00-800-96-പ്രോജക്ട് അണ്ടർ എൽ.എ.സി. എ.ഡി.എസ് എന്ന ശീർഷകത്തിൽ നിന്നും വഹിക്കേണ്ടതാണ്.

(ഗവർണ്ണറുടെ ഉത്തരവിൻ പ്രകാരം)
PATSY STEPHEN
JOINT SECRETARY

പകർപ്പ്

✓ ചീഫ് എഞ്ചിനീയർ, തദ്ദേശ സ്വയം ഭരണവകുപ്പ്, തിരുവനന്തപുരം

പ്രിൻസിപ്പൽ അക്കൗണ്ടൻ്റ് ജനറൽ (എ&ഇ), കേരളം, തിരുവനന്തപുരം.

അക്കൗണ്ടൻ്റ് ജനറൽ (ജി&എസ്.എസ്.എ), കേരളം, തിരുവനന്തപുരം

ട്രഷറി ഡയറക്ടർ, തിരുവനന്തപുരം

ഡയറക്ടർ, കേരള സംസ്ഥാന ഓഡിറ്റ് വകുപ്പ്, തിരുവനന്തപുരം

എക്സിക്യൂട്ടീവ് ഡയറക്ടർ. ഇൻഫർമേഷൻ കേരള മിഷൻ. തിരുവനന്തപുരം.

ധനകാര്യ വകുപ്പ് (27.09.2019ലെ എസ്.എഫ്.സി-എ2/155/2019/ധന പ്രകാരം)

കരുതൽ ഫയൽ/ ഓഫീസ് കോപ്പി.

ഉത്തരവിൻ പ്രകാരം


സെക്ഷൻ ഓഫീസർ

Gmail

CE LSGD <celsgd@gmail.com>

For Information

1 message

Thu, Nov 14, 2019 at 12:45 PM

CE LSGD <celsgd@gmail.com>

To: Tender Notice <tenderce@gmail.com>

sir,
please see the attachment

--
Yours faithfully,
Chief Engineer
LSGD, Thiruvananthapuram.
Contact No 04712324951

 db20.pdf
81K

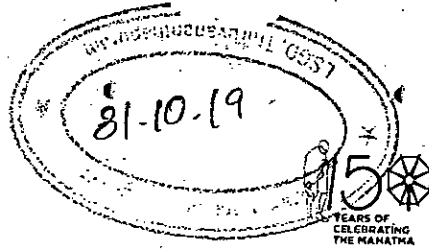
"ഭരണഭാഷ- മാതൃഭാഷ"

15708
9/11/19



കേരള സർക്കാർ

സംഗ്രഹം



തദ്ദേശ സ്വയംഭരണ വകുപ്പ് - ആസ്തിവികസനം - തുക്കാക്കര നിയോജകമണ്ഡലം - വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണ പ്രവൃത്തിക്ക് പുതുക്കിയ ഭരണാനുമതി - ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

തദ്ദേശ സ്വയംഭരണ (ഡിബി) വകുപ്പ്

G.O.(Rt)No.2401/2019/LSGD തീയതി,തിരുവനന്തപുരം, 29/10/2019

സർക്കാർ ഉത്തരവ് (അച്ചടി)നം. 332/12/ധന.തീയതി 11/06/2012.

പരാമർശം:- 1

2

സർക്കാർ ഉത്തരവ് (സാധാ.) നം.2379/2015/തസ്വഭവ തീയതി. 03.08.2015

3

തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എൻജിനീയറുടെ 17.07.2019 ലെ ഡി.ബി2-3902/2018/സി.ഇ/തസ്വഭവ നമ്പർ കത്ത്.

ഉത്തരവ്

തുക്കാക്കര നിയോജകമണ്ഡലത്തെ പ്രതിനിധീകരിച്ചിരുന്ന ശ്രീ. ബഹു.ബെന്നി ബെഹനാൻ എം.എൽ.എ യുടെ 2015-16 സാമ്പത്തിക വർഷത്തെ ആസ്തിവികസന പദ്ധതിയിൽ നിന്നും നിർമ്മിക്കുന്ന വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണം എന്ന പ്രവൃത്തിക്ക് പരാമർശം (2)ലെ സർക്കാർ ഉത്തരവിലൂടെ ആകെ അടങ്കൽ തുകയായ 49,90,000/-ലക്ഷം രൂപ (നാല്പത്തിയൊൻപത് ലക്ഷത്തി തൊണ്ണൂറായിരം രൂപ മാത്രം) യുടെ ഭരണാനുമതി നൽകിയിട്ടുള്ളതാണ്. ഈ പ്രവൃത്തി നടപ്പിലാക്കുന്നതിനായി നിലവിലുള്ള കെട്ടിടം പൊളിച്ച് നീക്കം ചെയ്യുകഴിഞ്ഞു സെറ്റ് ഔട്ട് ചെയ്തപ്പോൾ അംഗീകരിച്ച പ്ലാൻ പ്രകാരം നിർമ്മാണം നടത്താൻ കഴിയാത്ത സാഹചര്യം ഉണ്ടായി. തുടർന്ന് കെട്ടിടത്തിന്റെ ഡിസൈനിൽ വ്യത്യാസം വരുത്തുകയും ക്ലാസ് മുറികളുടെ ഉൾവശം എസ്.എസ്.എ പദ്ധതി പ്രകാരം നിയമം പാലിക്കുന്നതിനായി 6.00*6.00മീ പകരം 6.20*6.20മീ അളവിലും ഉയരം 3.60 മീ ആയിട്ടും പുനഃക്രമീകരിക്കേണ്ടി വന്നു. ഇത് പ്രകാരം എസ്റ്റിമേറ്റ് റിവൈസ് ചെയ്തപ്പോൾ അടങ്കൽ തുക അധികരിച്ച് 56,12,000/-രൂപയായി.ഇങ്ങനെ അധികരിക്കുന്ന തുകയായ 6,22,000/- രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചെലവാക്കി പൂർത്തീകരിക്കുന്നതിന് പുതുക്കിയ ഭരണാനുമതി നൽകണമെന്ന് പരാമർശം (2) ലൂടെ തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എൻജിനീയർ സർക്കാരിനോടഭ്യർത്ഥിച്ചിരുന്നു.

2 . സർക്കാർ ഇക്കാര്യം വിശദമായി പരിശോധിച്ചു. പരാമർശം(2) പ്രകാരം ഭരണാനുമതി

നൽകിയ വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണം. എന്ന പ്രവൃത്തിക്ക് പുതുക്കിയ മൂല്യനിർണ്ണയ പ്രകാരം അധികരിക്കുന്ന തുകയായ 6,22,000/- (ആറ് ലക്ഷത്തി ഇരുപത്തി രണ്ടായിരം) രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചെലവാക്കണമെന്ന നിബന്ധനയിൽ 56,12,000/- (അമ്പത്തിയാറ് ലക്ഷത്തിൽ പത്തുണ്ടായിരം രൂപ) രൂപയുടെ പുതുക്കിയ ഭരണാനുമതി നൽകി ഉത്തരവാകുന്നു. വകുപ്പ് സംബന്ധമായ നടപടിക്രമങ്ങളും പരാമർശം (1) ലെ സർക്കാർ ഉത്തരവും പാലിക്കേണ്ടതാണ്.

3. പഴയ എസ്റ്റിമേറ്റ് പ്രകാരമുള്ള ചെലവ് '4515-00-800-96-പ്രോജക്ട്' അണ്ടർ എൽ.എ.സി. എ.ഡി.എസ് എന്ന ശീർഷകത്തിൽ നിന്നും വഹിക്കേണ്ടതാണ്.

(ഗവർണ്ണറുടെ ഉത്തരവിൻ പ്രകാരം)
PATSY STEPHEN
JOINT SECRETARY

പകർപ്പ്

✓ ചീഫ് എഞ്ചിനീയർ, തദ്ദേശ സ്വയം ഭരണവകുപ്പ്, തിരുവനന്തപുരം

പ്രിൻസിപ്പൽ അക്കൗണ്ടൻ്റ് ജനറൽ (എ&ഇ), കേരളം, തിരുവനന്തപുരം.

അക്കൗണ്ടൻ്റ് ജനറൽ (ജി&എസ്.എസ്.എ), കേരളം തിരുവനന്തപുരം.

ട്രഷറി ഡയറക്ടർ, തിരുവനന്തപുരം.

ഡയറക്ടർ, കേരള സംസ്ഥാന ഓഡിറ്റ് വകുപ്പ്, തിരുവനന്തപുരം.

എക്സിക്യൂട്ടീവ് ഡയറക്ടർ, ഇൻഫർമേഷൻ കേരള മിഷൻ, തിരുവനന്തപുരം.

ധനകാര്യ വകുപ്പ് (27.09.2019ലെ എസ്.എഫ്.സി-എ2/155/2019/ധന പ്രകാരം)

കരുതൽ ഫയൽ/ ഓഫീസ് കോപ്പി.

ഉത്തരവിൻ പ്രകാരം

[Signature]

സെക്ഷൻ ഓഫീസർ

Encl no. DB2/3902/2018/CE/LSug dt. 14/4/19

Copy Communicated to SE, Kochi Corporation,
for further necessary actions

Yours faithfully

[Signature]

CHIEF ENGINEER

14/4/19 *[Signature]*

“ഭരണഭാഷ-മാതൃഭാഷ”

ചീഫ് എഞ്ചിനീയറുടെ കാര്യാലയം
തദ്ദേശസ്വയംഭരണവകുപ്പ്
റവന്യൂ കോംപ്ലക്സ്, മൂന്നാംനില
പബ്ലിക് ആഫീസ് ബിൽഡിംഗ്
തിരുവനന്തപുരം -33

Phone : 0471 - 2324951

0471 - 2325071

Tele Fax : 0471 - 2324951

Email: celsgd@gmail.com

Website : www.celsgd.kerala.gov.in

തീയതി: /11/2019

നം. DB2/3902/2018/സിഇ/എൽ.എസ്.ജി.ഡി

പ്രേഷകൻ

ചീഫ് എഞ്ചിനീയർ

സ്വീകർത്താവ്

സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ,
കൊച്ചി കോർപ്പറേഷൻ

സർ,

വിഷയം:- തദ്ദേശസ്വയംഭരണ വകുപ്പ് - സാങ്കേതിക വിഭാഗം - കൊച്ചി നഗരസഭ - വൈറ്റില മേഖല - വെണ്ണല ഗവ.എൽ.പി സ്കൂളിൽ ക്ലാസ് മുറികൾ നിർമ്മാണം എന്ന പ്രവൃത്തിയുടെ ഭരണാനുമതി ഉത്തരവ് - സംബന്ധിച്ച്

സൂചന:- സർക്കാരിന്റെ ജി.ഒ (ആർ.റ്റി) നം. 2401/2019/എൽ.എസ്.ജി.ഡി, തീയതി 29/10/2019

സൂചനയിലേക്ക് ശ്രദ്ധ ക്ഷണിക്കുന്നു. സൂചന ഉത്തരവ് തുടർ പ്രവൃത്തികൾക്ക് പ്രകാരം നടപടികൾക്കായി ഇതോടൊപ്പം അയയ്ക്കുന്നു. പ്രവൃത്തി പൂർത്തീകരിക്കുന്ന മുറയ്ക്ക് 03/08/2015 ലെ ജി.ഒ(ആർ.റ്റി) നം. 2379/2015/എൽ.എസ്.ജി.ഡി പ്രകാരം അനുവദിച്ചിട്ടുള്ള 49,90,000/- രൂപയിൽ അധികരിച്ചു വരുന്ന തുകയായ 6,22,000/- രൂപ പ്രവൃത്തിയുടെ ആകെ മുല്യത്തിൽ നിന്നും കുറവ് വരുത്തി സി.സി സെക്കന്റ് & ഫൈനൽ ബിൽ തുകയുടെ അലോട്ട്മെന്റിനുള്ള റിക്വിസിഷൻ, ഈ കാര്യാലയത്തിലെ 29/10/2019 ലെ സർക്കുലറിൽ നിർദ്ദേശിക്കുന്ന പ്രകാരം സമർപ്പിക്കുന്നതിന് നിർദ്ദേശിക്കുന്നു.

ഉള്ളടക്കം:- സൂചന ഉത്തരവ്

വിശ്വസ്തയോടെ,

എം. ചീഫ് എഞ്ചിനീയർ

21/12/19

എൻ.പി.

21/12/19

21/12/19

21/12/19

21/12/19

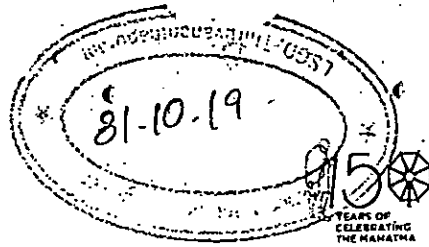
"ഭരണഭാഷ- മാതൃഭാഷ"

15708
8/11/19



കേരള സർക്കാർ

സംഗ്രഹം



തദ്ദേശ സ്വയംഭരണ വകുപ്പ് - ആസ്തിവികസനം - തൃക്കാക്കര നിയോജകമണ്ഡലം - വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണ പ്രവൃത്തിക്ക് പുതുക്കിയ ഭരണാനുമതി - ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

തദ്ദേശ സ്വയംഭരണ (ഡിബി) വകുപ്പ്

G.O.(Rt)No.2401/2019/LSGD തീയതി,തിരുവനന്തപുരം, 29/10/2019

സർക്കാർ ഉത്തരവ് (അച്ചടി)നം. 332/12/ധന.തീയതി 11/06/2012.

പരാമർശം:- 1

2 സർക്കാർ ഉത്തരവ് (സാധാ.) നം.2379/2015/തസ്വഭവ തീയതി. 03.08.2015

3 തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എൻജിനീയറുടെ 17.07.2019 ലെ ഡി.ബി2-3902/2018/സി.ഇ/തസ്വഭവ നമ്പർ കത്ത്.

ഉത്തരവ്

തൃക്കാക്കര നിയോജകമണ്ഡലത്തെ പ്രതിനിധീകരിച്ചിരുന്ന ശ്രീ. ബഹു.ബെന്നി ബെഹനാൻ എം.എൽ.എ യുടെ 2015-16 സാമ്പത്തിക വർഷത്തെ ആസ്തിവികസന പദ്ധതിയിൽ നിന്നും നിർമ്മിക്കുന്ന വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണം എന്ന പ്രവൃത്തിക്ക് പരാമർശം (2) ലെ സർക്കാർ ഉത്തരവിലൂടെ ആകെ അടങ്കൽ തുകയായ 49,90,000/-ലക്ഷം രൂപ (നാല്പത്തിയൊൻപത് ലക്ഷത്തി തൊണ്ണൂറായിരം രൂപ മാത്രം) യുടെ ഭരണാനുമതി നൽകിയിട്ടുള്ളതാണ്. ഈ പ്രവൃത്തി നടപ്പിലാക്കുന്നതിനായി നിലവിലുള്ള കെട്ടിടം പൊളിച്ച് നീക്കം ചെയ്തുകഴിഞ്ഞു സെറ്റ് ഔട്ട് ചെയ്തപ്പോൾ അംഗീകരിച്ച പ്ലാൻ പ്രകാരം നിർമ്മാണം നടത്താൻ കഴിയാത്ത സാഹചര്യം ഉണ്ടായി. തുടർന്ന് കെട്ടിടത്തിന്റെ ഡിസൈനിൽ വ്യത്യാസം വരുത്തുകയും ക്ലാസ് മുറികളുടെ ഉൾവശം എസ്.എസ്.എ പദ്ധതി പ്രകാരം നിയമം പാലിക്കുന്നതിനായി 6.00*6.00മീ പകരം 6.20*6.20മീ അളവിലും ഉയരം 3.60 മീ ആയിട്ടും പുനഃക്രമീകരിക്കേണ്ടി വന്നു. ഇത് പ്രകാരം എസ്റ്റിമേറ്റ് റിവൈസ് ചെയ്തപ്പോൾ അടങ്കൽ തുക അധികരിച്ച് 56,12,000/-രൂപയായി. ഇങ്ങനെ അധികരിക്കുന്ന തുകയായ 6,22,000/- രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചെലവാക്കി പൂർത്തീകരിക്കുന്നതിന് പുതുക്കിയ ഭരണാനുമതി നൽകണമെന്ന് പരാമർശം (2) ലൂടെ തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എൻജിനീയർ സർക്കാരിനോടഭ്യർത്ഥിച്ചിരുന്നു.

2. സർക്കാർ ഇക്കാര്യം വിശദമായി പരിശോധിച്ചു. പരാമർശം(2) പ്രകാരം ഭരണാനുമതി

Handed to @ 10.00 AM on 14/11/19

നൽകിയ വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണം. എന്ന പ്രവൃത്തിക്ക് പുതുക്കിയ മൂല്യനിർണ്ണയ പ്രകാരം അധികരിക്കുന്ന തുകയായ 6,22,000/- (ആറ് ലക്ഷത്തി ഇരുപത്തി രണ്ടായിരം) രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചെലവാക്കണമെന്ന നിബന്ധനയിൽ 56,12,000/- (അമ്പത്തിയാറ് ലക്ഷത്തിൽ പന്ത്രണ്ടായിരം രൂപ) രൂപയുടെ പുതുക്കിയ ഭരണാനുമതി നൽകി ഉത്തരവാകുന്നു. വകുപ്പ് സംബന്ധമായ നടപടിക്രമങ്ങളും പരാമർശം (1) ലെ സർക്കാർ ഉത്തരവും പാലിക്കേണ്ടതാണ്.

3. പഴയ എസ്റ്റിമേറ്റ് പ്രകാരമുള്ള ചെലവ് '4515-00-800-96-പ്രോജക്ട് അണ്ടർ എൽ.എ.സി. എ.ഡി.എസ് എന്ന ശീർഷകത്തിൽ നിന്നും വഹിക്കേണ്ടതാണ്.

(ഗവർണ്ണറുടെ ഉത്തരവിൽ പ്രകാരം)
PATSY STEPHEN
JOINT SECRETARY

പകർപ്പ്

✓ ചീഫ് എഞ്ചിനീയർ, തദ്ദേശ സ്വയം ഭരണവകുപ്പ്, തിരുവനന്തപുരം.

പ്രിൻസിപ്പൽ അക്കൗണ്ടൻ്റ് ജനറൽ (എ&ഇ), കേരളം, തിരുവനന്തപുരം.

അക്കൗണ്ടൻ്റ് ജനറൽ (ജി&എസ്.എസ്.എ), കേരളം, തിരുവനന്തപുരം.

ട്രഷറി ഡയറക്ടർ, തിരുവനന്തപുരം.

ഡയറക്ടർ, കേരള സംസ്ഥാന ഓഡിറ്റ് വകുപ്പ്, തിരുവനന്തപുരം.

എക്സിക്യൂട്ടീവ് ഡയറക്ടർ, ഇൻഫർമേഷൻ കേരള മിഷൻ, തിരുവനന്തപുരം.

ധനകാര്യ വകുപ്പ് (27.09.2019ലെ എസ്.എഫ്.സി-എ2/155/2019/ധന പ്രകാരം)

കരുതൽ ഫയൽ/ഓഫീസ് കോപ്പി.

ഉത്തരവിൻ പ്രകാരം

Vhs

സെക്ഷൻ ഓഫീസർ

Encl no. DB2/3902/2018/CE/LSGD dt. 14/11/19

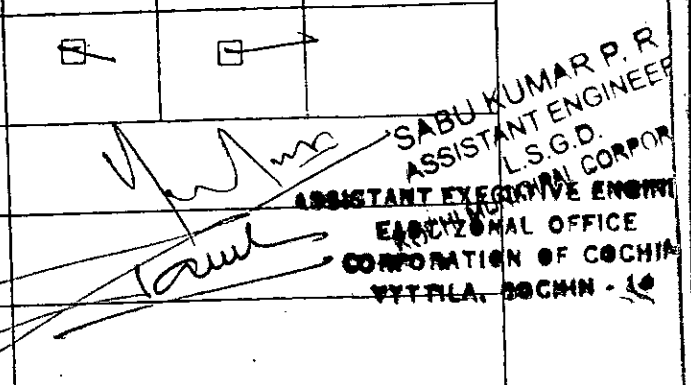
Copy communicated to SE, Kochi Corporation,
for further necessary action

Yours faithfully

[Signature]

LA 82

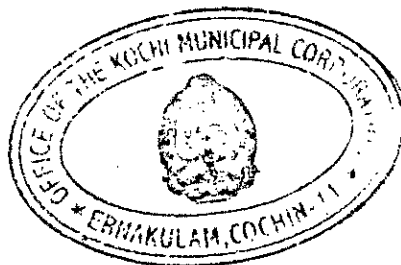


16	Verification and corrections (if any) with Counter signature of Executive Engineer (Implementing Officer).	☐	☐	
17	Whether work has been completed in original TOC, if not whether extension of TOC is sanctioned and supplemental agreement has been executed. Copy of dully filled up supplemental agreement with time of completion extension to be attached.	☒	☒	
18	Deductions for cost of empty barrels, including taxes. (if any to be deducted from the final bill amount)	☐	☐	
19	Requisition for further installments shall be accompanied by Utilisation Certificate and copy of bill, if advance or part bill payment is allotted as the case may be.	☐	☐	
Signature with Date & Designation of the Check Measuring officer (AEE) <i>AG</i>				
Signature with Date & Designation of Verified officer at Implementing Office. <i>AEE</i>				
Name, Designation, Date & Signature of Implementing Officer <i>SE</i>				

Place:

Date: *18.05.2016*

S. Babu
SUPERINTENDING ENGINEER
L.S.G.D.
MUNICIPAL CORPORATION OF COCHIN



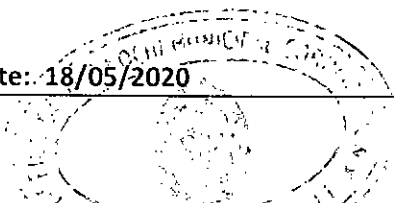
Project Details (Data Sheet)

Description		Details		
1	Name of the Project	MOA12/KRE1/3118/2015 Construction of Classroom Building at Govt. LPS Vennala in div. 46 of Kochi Municipal Corporation		
2	A S Order	Order No. GO(Rt) 2379/2015/LSGD of Kerala LSGD, Dtd.03/06/2015		
3	A S Amount	Rs.4990000/-		
4	Name of the Constituency	THRIKKAKARA		
5	Agreed PAC	Rs.4990000/-		
6	Estimate PAC	Rs.4990000/-		
7	Technical Sanction No. & Date	19/2016-17 Dtd. 09/06/2016		
8	Total Technical Sanction Amount	Rs.4990000/-		
9	Name of the Contractor	JAIMON JAMES		
10	Agreement No	1486//15-16 & 1164/16-17		
11	Agreement Date	07/01/16 & 09/03/2017 ✓		
12	Site Handover Date	31/05/2017		
13	Duration of the work	6 months		
14	Scheduled date of Completion	30/11/2017		
15	Actual Date of Completion	13/09/2017		
16	Delay if any (in days) Give explanation	NIL		
17	Bill already Submitted	LSGI Share	SJD Share	Total
	(i) Part Bills already paid	2859315		
	1st & Part Bill (Amount)			
	(ii) Part Bills already paid			
	2nd & Part Bill (Amount)			
	(iii) Part Bills already paid			
	3rd & Part Bill (Amount)			
	Total Amount already paid	2859315		
18	Present			
	(i) Gross Bill Amount	Rs.1659761/-		
	(ii) Fine Deducted	0		
	(iii) Cost of Empty Barrels	0		
19	Net Amount of Bill	Rs.1659761/-		
20	Name(s) & office of Overseer(s) who supervised the work	PRASANNAKUMAR K G OVERSEER		
21	Name(s) & office of Asst.Engineer(s) who executed the work	SABUKUMAR P R A E		
22	Name(s) & office of Asst.ExecutiveEngineer (s) who Check Measured the work	MURALEEMOHANAN A Ex e		

Place: Kochi

Date: 18/05/2020

Name, Designation, Date & Signature of
Implementing Officer



[Signature]
Name, Designation, Date & Signature of
Implementing Officer

3118/15
DD



GOVERNMENT OF KERALA
Abstract

Local Self Government Department- LAC-ADS -- Thrikkakkara Legislative Assembly constituency, 'Construction of classroom building for Govt LP School, Vennala' -Administrative sanction accorded-Orders issued.

LOCAL SELF GOVERNMENT (DB) DEPARTMENT

G.O.(Rt)No. 2379/15/LSGD. Thiruvananthapuram, Dated, 03/08/2015.

Read:-

- 1) G.O.(P)No. 332/12/Fin dated 11/06/2012.
- 2) Letter No. DB2/ 4425 /15/CE/LSGD dated 25/05/2015 from the Chief Engineer, Local Self Government Department, Thiruvananthapuram.

ORDER

As proposed by Sri Benny Behanan, MLA, representing Thrikkakkara Legislative Assembly Constituency, the Chief Engineer, Local Self Government Department, as per the letter read as 2nd paper above has furnished detailed estimate for the work 'Construction of classroom building for Govt LP School, Vennala' at an estimated cost of Rs. 49,90,000/- (Rupees Forty Nine Lac Ninety Thousand Only) under LAC ADS according Administrative Sanction.

Government have examined the matter in detail and are pleased to accord administrative sanction for the work 'Construction of classroom building for Govt LP School, Vennala' at an estimate cost of Rs. 49,90,000/- (Rupees Forty Nine Lac Ninety Thousand Only) under LAC ADS of Sri Benny Behanan, MLA, representing Thrikkakkara Legislative Assembly Constituency with special sanction to take up the work execution following all departmental formalities and in tune with the guidelines laid in the Government Order read as 1st paper above and subsequent Government orders.

The expenditure in this regard shall be debited to the Head of Account "451 - Capital Projects under LAC-ADS (NP)".



MUNICIPAL CORPORATION OF COCHIN

(By Order of the Governor)

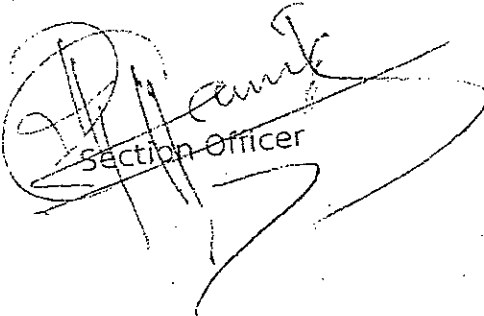
K.S.SOBHANA

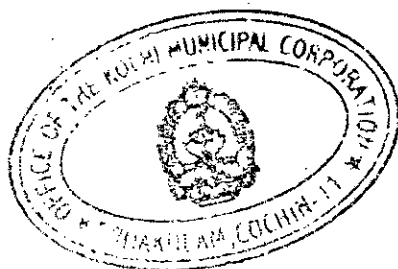
Joint Secretary to Government

To

The Chief Engineer, Local Self Government Dept. Thiruvananthapuram
The Headmaster Govt LP School, Vennala, Cochin, Ernakulam District.
The Principal Accountant General (A&E/Audit),
Kerala, Thiruvananthapuram.
The Accountant General (LBA&A), Kerala, Thiruvananthapuram.
The Director IKM, Thiruvananthapuram.
The Finance Dept (vide U.O.(f) No.46953 /NCB3/2015Fin. Dtd,27.06.2015.)
Stock File/ Office copy

Forwarded / By Order


Section Officer



A. Ex. E
Vyttila Zone

376

File No. LSGD-DB

-LSGD

12

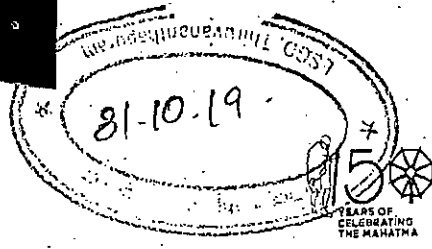
"ഭരണഭാഷ - മാതൃഭാഷ"

15708
9/11/19



കേരള സർക്കാർ

സംഗ്രഹം



തദ്ദേശ സ്വയംഭരണ വകുപ്പ് - ആസ്തിവികസനം - തുകാക്കര നിയോജകമണ്ഡലം - വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണ പ്രവൃത്തിക്ക് പുതുക്കിയ ഭരണാനുമതി - ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

തദ്ദേശ സ്വയംഭരണ (ഡിബി) വകുപ്പ്

G.O.(R) No. 2401/2019/LSGD തീയതി, തിരുവനന്തപുരം, 29/10/2019

സർക്കാർ ഉത്തരവ് (അച്ചടി) നം. 332/12/ധന. തീയതി 11/06/2012.

പരാമർശം:- 1

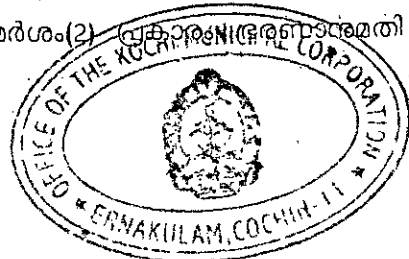
2 സർക്കാർ ഉത്തരവ് (സാധാ.) നം. 2379/2015/തസ്വഭവ തീയതി. 03.08.2015

3 തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എൻജിനീയറുടെ 17.07.2019 ലെ ഡി.ബി2-3902/2018/സി.ഇ/തസ്വഭവ നമ്പർ കത്ത്.

ഉത്തരവ്

തുകാക്കര നിയോജകമണ്ഡലത്തെ പ്രതിനിധീകരിച്ചിരുന്ന ശ്രീ. ബഹു.ബെന്നി ബെഹനാൻ എം.എൽ.എ യുടെ 2015-16 സാമ്പത്തിക വർഷത്തെ ആസ്തിവികസന പദ്ധതിയിൽ നിന്നും നിർമ്മിക്കുന്ന വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണം എന്ന പ്രവൃത്തിക്ക് പരാമർശം (2) ലെ സർക്കാർ ഉത്തരവിലൂടെ ആകെ അടങ്കൽ തുകയായ 49,90,000/- ലക്ഷം രൂപ (നാൽപ്പത്തിയൊൻപത് ലക്ഷത്തി തൊണ്ണൂറായിരം രൂപ മാത്രം) യുടെ ഭരണാനുമതി നൽകിയിട്ടുള്ളതാണ്. ഈ പ്രവൃത്തി നടപ്പിലാക്കുന്നതിനായി നിലവിലുള്ള കെട്ടിടം പൊളിച്ച് നീക്കം ചെയ്തുകഴിഞ്ഞു സെറ്റ് ഓട്ട് ചെയ്തപ്പോൾ അംഗീകരിച്ച പ്ലാൻ പ്രകാരം നിർമ്മാണം നടത്താൻ കഴിയാത്ത സാഹചര്യം ഉണ്ടായി. തുടർന്ന് കെട്ടിടത്തിന്റെ ഡിസൈനിൽ വ്യത്യാസം വരുത്തുകയും ക്ലാസ് മുറികളുടെ ഉൾവശം എസ്.എസ്.എ പദ്ധതി പ്രകാരം നിയമം പാലിക്കുന്നതിനായി 6.00*6.00 മീ പകരം 6.20*6.20 മീ അളവിലും ഉയരം 3.60 മീ ആയിട്ടും പുനഃക്രമീകരിക്കേണ്ടി വന്നു. ഇത് പ്രകാരം എസ്റ്റിമേറ്റ് റിവൈസ് ചെയ്തപ്പോൾ അടങ്കൽ തുക അധികരിച്ച് 56,12,000/- രൂപയായി. ഇങ്ങനെ അധികരിക്കുന്ന തുകയായ 6,22,000/- രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചെലവാക്കി പൂർത്തീകരിക്കുന്നതിന് പുതുക്കിയ ഭരണാനുമതി നൽകണമെന്ന് പരാമർശം (2) ലൂടെ തദ്ദേശ സ്വയംഭരണ വകുപ്പ് ചീഫ് എൻജിനീയർ സർക്കാരിനോടഭ്യർത്ഥിച്ചിരുന്നു.

2. സർക്കാർ ഇക്കാര്യം വിശദമായി പരിശോധിച്ചു. പരാമർശം (2) പ്രകാരം ഭരണാനുമതി



നൽകിയ വെണ്ണല ഗവ. എൽ.പി.എസ് കെട്ടിട നിർമ്മാണം. എന്ന പ്രവൃത്തിക്ക് പുതുക്കിയ മൂല്യനിർണ്ണയ പ്രകാരം അധികരിക്കുന്ന തുകയായ 6,22,000/- (ആറ് ലക്ഷത്തി ഇരുപത്തി രണ്ടായിരം) രൂപ കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചെലവാക്കണമെന്ന നിബന്ധനയിൽ 56,12,000/- (അമ്പത്തിയാറ് ലക്ഷത്തിൽ പന്ത്രണ്ടായിരം രൂപ) രൂപയുടെ പുതുക്കിയ ഭരണാനുമതി, നൽകി ഉത്തരവാകുന്നു. വകുപ്പ് സംബന്ധമായ നടപടിക്രമങ്ങളും പരാമർശം (1) ലെ സർക്കാർ ഉത്തരവും പാലിക്കേണ്ടതാണ്.

3. പഴയ എസ്റ്റിമേറ്റ് പ്രകാരമുള്ള ചെലവ് '4515-00-800-96-പ്രോജക്ട്സ് അണ്ടർ എൽ.എ.സി. എ.ഡി.എസ് എന്ന ശീർഷകത്തിൽ നിന്നും വഹിക്കേണ്ടതാണ്.

(ഗവർണ്ണറുടെ ഉത്തരവിൻ പ്രകാരം)
PATSY STEPHEN
JOINT SECRETARY

പകർപ്പ്

✓ ചീഫ് എഞ്ചിനീയർ, തദ്ദേശ സ്വയം ഭരണവകുപ്പ്, തിരുവനന്തപുരം

പ്രിൻസിപ്പൽ അക്കൗണ്ടൻ്റ് ജനറൽ (എ&ഇ), കേരളം, തിരുവനന്തപുരം.

അക്കൗണ്ടൻ്റ് ജനറൽ (ജി&എസ്.എസ്.എ), കേരളം തിരുവനന്തപുരം

ട്രഷറി ഡയറക്ടർ, തിരുവനന്തപുരം

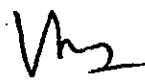
ഡയറക്ടർ, കേരള സംസ്ഥാന ഓഡിറ്റ് വകുപ്പ്, തിരുവനന്തപുരം

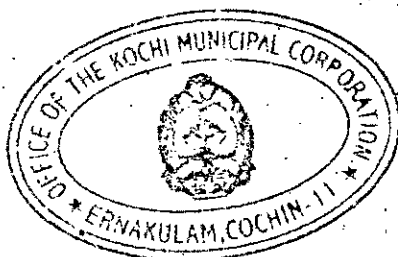
എക്സിക്യൂട്ടീവ് ഡയറക്ടർ. ഇൻഫർമേഷൻ കേരള മിഷൻ. തിരുവനന്തപുരം.

ധനകാര്യ വകുപ്പ് (27.09.2019ലെ എസ്.എഫ്.സി-എ2/155/2019/ധന പ്രകാരം)

കരുതൽ ഫയൽ/ ഓഫീസ് കോപ്പി.

ഉത്തരവിൻ പ്രകാരം


സെക്ഷൻ ഓഫീസർ



ANNEXURE C - FORM III

(See para 7.1 of the G.O(p) No.177/06/Fin .Dated 12-4-2006)

REQUISITION FOR RELEASE OF FUNDS TO IMPLEMENTING OFFICER

Requisition No :- MOA12/KRE1//3118/2015

Date :- 18/05/2020

Name of LSGI :- Kochi Municipal Corporation

Code of LSGI :- CO70100

Name of implementing Officer :- P S BABURAJ

Designation of Officer :- Superintending Engineer

Amount requested :- Rs.1659761/-
MOA12/KRE1/3118/2015 Construction of Classroom
Building at Govt. LPS Vennala in div. 46 of Kochi Municipal
Corporation

Project Name and Number :-

Project cost :- Rs.4990000/-

Category of fund A / B / C :- LAC-ADS M L A FUND - 2nd Part& Final Bill

Sector (General / SCP /TSP) :- M L A FUND WORK

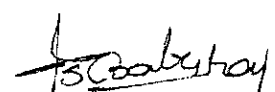
Number and date of Sanction :-

Order of approved project :- Order No. GO(Rt) 2379/2015/LSGD of Kerala LSGD, Dtd.03/06/2015

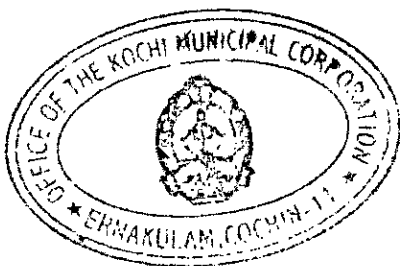
Purpose in brief :- Construction of Classroom Building at Govt. LPS Vennala in
div. 46 of Kochi Municipal Corporation

Place :- Kochi

Date :- 18/05/2020


SUPERINTENDING ENGINEER

SUPERINTENDING ENGINEER
Kochi Municipal Corporation



തദ്ദേശ സ്വയംഭരണ വകുപ്പ് - കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ -
സൂപ്രണ്ടിൻ്റെ എൻജിനീയറുടെ ഉത്തരവ് നടപടികൾ
(ഹാജർ : ശ്രീ.പി.എസ്.ബാബുരാജ്.)

കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ- എഞ്ചിനീയറിംഗ് വിഭാഗം LAC-ADS ൽ
പ്പെടുത്തി നഗരസഭയിലെ 46 ഡിവിഷനിൽ വെണ്ണല ഗവൺമെൻറ്
എൽ.പി.സ്കൂൾ പുതിയ ക്ലാസ് മുറി കെട്ടിടം നിർമ്മാണ പ്രവർത്തിയുടെ രണ്ടാം
പാർട്ട് & അന്തിമ ബിൽ തുക കരാറുകാരന് അനുവദിച്ചുത്തരവാകുന്നു

MOA12/KRE1/3118/2015

കൊച്ചി - 11

തീയതി .18/05/2020

സൂചന :1) ബഹു. കേരള LSGD യുടെ 3/06/2015 തീയതിയിലെ

GO(Rt)No.2379/2015/LSGD നമ്പർ ഉത്തരവ്.

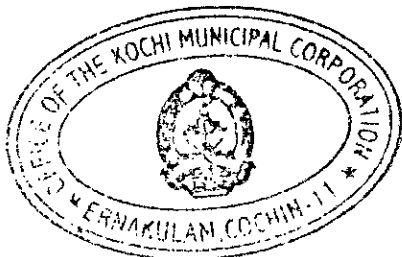
2) നഗരസഭ സൂപ്രണ്ടിൻ്റെ എൻജിനീയറുടെ 09/06/2017

തീയതിയിലെ 19/16-17 നമ്പർ സാങ്കേതിക അനുമതി.

3) കരാറുകാരനുമായുള്ള 07/01/2016 തീയതിയിലെ 1486/15-16
നമ്പർ എഗ്രിമെന്റ് .

4) ഈ ഓഫീസിലെ 04/05/2020 തീയതിയിലെ KRE1/3118/2015
നമ്പർ ബിൽ.

മേൽ സൂചന (1) പ്രകാരം ഭരണാനുമതി ലഭിച്ചിട്ടുള്ള ബഹു.
തൃക്കാക്കര എം.എൽ.എ.യായിരുന്ന ശ്രീ. ബെന്നി ബെഹനാൻ അവർകളുടെ LAC-
ADS ഫണ്ട് ഉപയോഗിച്ച് നഗരസഭയിലെ 46 ഡിവിഷനിൽ വെണ്ണല
ഗവൺമെൻറ് എൽ.പി.സ്കൂൾ പുതിയ ക്ലാസ് മുറി കെട്ടിടം നിർമ്മാണ
പ്രവർത്തിയ്ക്ക് 4990000/- രൂപ അനുവദിച്ചിരുന്നു. ഈ പദ്ധതി നിർവ്വഹണം
നടത്തുന്നതിന് സൂചന (2) പ്രകാരം സാങ്കേതിക അനുമതി നൽകുകയും സൂചന (3)
പ്രകാരം കരാറുകാരൻ എഗ്രിമെന്റ് വച്ച് വർക്ക് തൃപ്തികരമായി പൂർത്തീകരി-
ച്ചിട്ടുള്ളതാണ്. ആയതിൻ്റെ നിർമ്മാണത്തിന് എല്ലാ നിയമാനുസൃത നികുതികളും
അടക്കം 4519076/- രൂപ ചെലവ് വന്നിട്ടുള്ളതും ആയതിന് സൂചന (4) പ്രകാരം
ബിൽ സമർപ്പിച്ചിട്ടുള്ളതുമാണ്. ആയതിൽ 2859315/- രൂപ ഒന്നാം പാർട്ട്
പേയ്മെൻറ് നൽകിയിട്ടുള്ളതാണ്. ബാക്കി തുകയായ 1659761/- രൂപയ്ക്ക്
ബഹു.ചീഫ് എൻജിനീയർ LSGD യിൽ നിന്നും അലോട്ട്മെന്റ് വാങ്ങി ട്രഷറിയിൽ
നിന്നും പാസ്റ്റാക്കി കരാറുകാരനായ ശ്രീ. ജയ്മോൻ ജെയിംസിന് നൽകുന്നതിന്
ഇതിനാൽ ഉത്തരവ് ആകുന്നു.



[Signature]
സൂപ്രണ്ടിൻ്റെ എൻജിനീയർ
SUPERINTENDING ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN

30

ANNEXURE C – VII

(See Para 5.2 of G.O.(p) No.177/2006/Fin Dated 12.04.2006)

Proceedings of the Superintending Engineer, Kochi Municipal Corporation (DDO)

(Present: Sri. P. S. BABURAJ.)

Sub: Withdrawal from Consolidated Fund/Public Account – Sanctioned –Orders issued

Ref: 1) G.O.(P) No. 177/2006/Fin Dated 12.04.2006.

2) Order No. GO(Rt) 2379/2015/LSGD of Kerala LSGD, Dtd.03/06/2015.

Order No. MOA12/KRE1/3118/2015 of Kochi (M) Corporation.

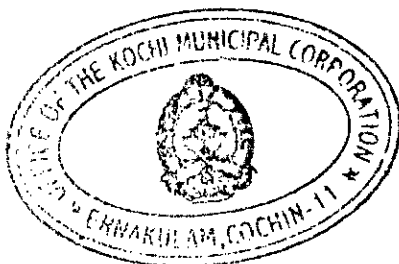
Sanction is hereby accorded for the drawl of ₹ 1659761/- (₹ Sixteen Lakh Fifty Nine Thousand Seven Hundred and Sixty One only) from Project under LAC-ADS From M L A Fund (Name and Project/Scheme) for the work of Construction of Classroom Building at Govt. LPS Vennala in div. 46 of Kochi Municipal Corporation. (2nd part& Final Bill)(For A D S) for which Approval L S G Department has been obtained vide Sanction Order No. GO(Rt) 2379/2015/LSGD of Kerala LSGD, Dtd.03/06/2015. The Total amount of final Bill is ₹ 1659761/-

SCHEME				PROJECT		
CATEGORY A				CATEGORY B		CATEGORY C
GEN	SCP	TSP	OTHERS			MG (R) MG (NR)

Signature of the DDO

Name: P. S. BABURAJ.

SUPERINTENDING ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN



Division / Circle.....Corporation of Cochin)

Sub - Division..... Vyttila {

Bill Register No:

Section.....Engineering)

RUNNING ACCOUNT BILL

(For Contractor :- This form provides for [1] Secured Advance and payment for measured Work)

Cash Book Voucher No:

Name of the Contractor:

Jaimon James

Name of work and Head of Account:

KRE1 - 3118/15

**Construction of Class Room Building at Govt. L P School,
Vennala in Div - 46**

Serial No. of this bill:

C C 2nd and final Bill

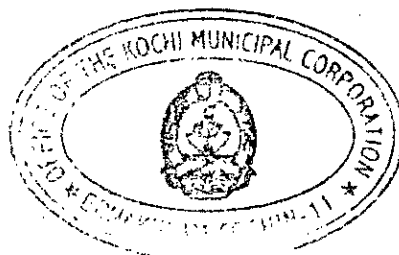
No. and date of the previous bill for the work

Reference to agreement:

1164/16-17

Date of Written order to commencement of work:

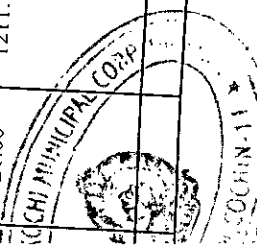
Date of actual completion of work:



Part I - Amount of work Executed

Rate	As per Agreement No: 1164/16-17			Description of work done or supplies made	Reference to measurement Book		Quantity of work or supplies made		Value at Agreement rates of work done or supplies made		Remarks
	Rate Rs. Ps.	Number Quantity or Weight	Unit		Book No:	Page:	Upto date	Since last bill	Upto date Rs. Ps.	Since last bill Rs. Ps.	
3	4	5	6	7	8		9	10	11	12	13
				Appendix A							
85.50	227.99	85.50	m ³	2.8.1 Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	1033/16-17	74	167.245	81.745	38,130.18	18,637.04	
30.50	6226.34	30.50	m ³	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering -All work upto plinth level: 1:4.8 (1 Cement:4 coarse sand: 8 graded stone aggregate 40mm nominal size)	"	75	39.059	8.559	243,194.61	53,291.24	
36.00	5671.84	36.00	m ³	7.1.1 Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with :Cement mortar 1:6 (1 cement:6 coarse sand)	"	76	70.943	34.943	402,377.35	198,191.40	
52.50	5976.03	52.50	m ³	OD Cement solid block masonry with cm 1:6 using best quality block of size 40x20x15 cm including cost and conveyance etc. complete	"	76	76.860	24.360	459,317.69	145,576.09	
				5.9 Centering and shuttering including strutting, propping etc. and removal of form for:							
32.00	284.38	32.00	m ²	5.9.1 Foundations, footings, bases of columns, etc. for mass concrete	"	77	30.720	0.000	8,736.15	-	
350.00	581.42	350.00	m ²	5.9.3 Suspended floors, roofs, landings, balconies and access platform	"	77	238.870	0.000	138,883.79	-	
325.00	480.82	325.00	m ²	5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers	"	78	333.938	8.938	160,564.00	4,297.57	
149.00	656.26	149.00	m ²	5.9.6 Columns, Pillars, Piers, Abutments, Posts and Struts	"	79	179.535	30.535	117,821.65	-	
11.00	572.74	11.00	m ²	5.9.7 Stairs, (excluding landings) except spiral staircases	"	79	19.449	8.449	117,821.65	-	
183.00	168.50	183.00	m ²	5.9.16.1 Edges of slabs and breaks in floors and walls Under 200 cm wide	"	81	34.028	34.028	117,821.65	-	
				rods etc. including specified grade of centring							
				h level							
				1.920							
				8							
				16.1							
				Under 200							
				cm wide							
				Edges of slabs and breaks in floors and walls							
				Stairs, (excluding landings) except spiral staircases							
				Columns, Pillars, Piers, Abutments, Posts and Struts							
				Lintels, beams, plinth beams, girders, bressumers and cantilevers							
				Suspended floors, roofs, landings, balconies and access platform							
				Foundations, footings, bases of columns, etc. for mass concrete							
				Centering and shuttering including strutting, propping etc. and removal of form for:							
				Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with :Cement mortar 1:6 (1 cement:6 coarse sand)							
				Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering -All work upto plinth level: 1:4.8 (1 Cement:4 coarse sand: 8 graded stone aggregate 40mm nominal size)							
				Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.							

18.83	44.50	9018.83	44.50	✓	m ³	reinforced cement concrete and laying in position specified grade of shuttering, finishing and reinforcement-All work up to plinth level: 1:1.5:3 (1 cement:1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	"	81	34.028	0.000	306,892.75	35,721.52
0.75	8.00	10240.75	8.00	✓	m ³	5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string course, filllets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement. 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	"	82	8.465	1.920	86,687.95	19,662.24
12	65.20	9812.12	65.20	✓	m ³	5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	"	82	not done			
3	13150.00	98.58	13150.00	✓	kg	5.2.2.6 Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut.	"	83	9862.809	266.400	972,275.71	26,261.71
6	903.00	236.46	903.00	✓	m ²	13.1.1 Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick	"	84	1299.170	427.660	307,199.34	101,124.48
1	450.00	194.99	450.00	✓	m ²	13.16.1 Plastering with cement mortar 1:3 (1 cement:3 fine sand), 6mm thick including a neat cement flushing coat	"	84	673.249	283.000	131,276.82	55,182.17
1	57.00	1136.94	57.00	✓	m ²	11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	"	84	not done			
1	21.00	1211.13	21.00	✓	m ²	11.36 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry@3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	"	85	not done			



As per Agreement No: 1164/16-17			Description of work done or supplies made		Reference to measurement Book		Quantity made		done or supplied		Rema	
Rate	Rs. Ps.	Number Quantity or Weight	Unit		Book No:	Page:	Upto date	Since last bill	Upto date	Since last bill		
4		5	6		8		9	10	11	12		13
162.71		100.50	m ³	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m	"	85	154.171	53.671	25,085.16	8,732.81		
51.89		1326.00	m ²	13.43 Applying one coat of cement primer of approved brand and manufacture on wall surface:	"	85	1924-810	1924-810	99,878.39	99,878.39		
137.44		1326.00	m ²	13.47.1 Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Exterior New work (Two or more coats applied @ 1.43 ltr/10sqm. Over and including base coat of water proofing cement paint applied @2.20 kg/10sqm).	"	86	1050.080	1050.080	144,323.00	144,323.00		
88659.72		1.20	m ³	50.9.1.1 Providing wood work in frames of doors & windows clear story windows and another frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fasteneshall be paid for separately) using Anjily/Jack wood	"	86	1.228	0.080	108,874.18	7,092.78		
2329.98		39.00	m ³	50.9.3.1 Providing & fixing paneled or paneled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright finished of required size with necessary screws excluding paneling which will be paid for separately as for separately all complete as per direction of engineering in charge using Angili/Jack wood.	"	86	13.574	2.262	31,627.15	5,270.41		
2017.77		21.10	m ²	5.9.4.1 Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clestory windows (area of opening for p and inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Anjily/Jack wood	"	87	6.732	6.732	13,583.63	13,583.63		
128.00		169.87	E	9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x 15 cm 1:3:6 mix (1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size).	"	87	100.000	10.000	16,987.00	1,698.70		
				10.25.2 Steel work welded in built up sections/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as including frames, guard bar, ladder, railings, brackets, In gratings, surface paint system for	"	87	483.680	113.680	63,081.55	20,902.13		

70.00	130.42	370.00	kg	10.4.2.2 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works
11.00	127.67	111.00	m ²	13.48.2 Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications Painting wood work with Deluxe Multi Surface paint of required shade. Two or more coat applied @ 0.90 l ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand and manufacture
2.00	84.90	12.00	E	9.63.2 Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm
5.00	100.75	6.00	E	9.65.1 Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:5930 with screws etc. complete: 300x20x6 mm
2.30	1292.27	2.30	m ³	15.2.1 Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)
6.10	796.90	16.10	m ³	15.2.2 Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix) ..
5.00	204.47	15.00	E	15.12 Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead
69.00	9.91	1169.00	m	15.14.2 Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres
48.00	111.97	248.00	m ²	15.31 Dismantling tiled roofing with bettens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.
8.00	1091.63	48.00	m ³	15.7.4 Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in cement mortar
11.00	47.69	111.00	m ²	13.50.1 Applying priming coat: with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)

or supplies made														
Weight	Rs.	Ps.	Quantity or Weight	Unit		Book No:	Page:	Upto date	Since last bill	Rs.	Ps.	last bill	Rs.	Ps.
3	4		5	6	7	8		9	10	11		12		13
					Appendix B									
					Supply and wiring points as per IS 732 -1989 in medium guage pvc conduit 20mm with specials ,using 1.0sq mm pvc insulated stranded single core copper wire 650/1100 V ,with 2.03continuous copper earth wire ,clamping using metal saddles spacing not to exceed 50cm suitable size metal switch boxes with upto and including 6A modular type SP switch and plates, 6A 3 plate ceiling rose;copper wire of the specification and size of 1.5 sq mm should be used in 2 runs as cicuit to switch board.(All the materials should have departmental approval.)									
6.00	800.05		26.00	E	Ceiling rose point			not done						
1.00	781.65		5.00	E	Point without ceiling rose			not done						
1.00	479.57		11.00	E	Combined Plug point			not done						
2.00	1291.35		20.00	E	Ceiling fan point with Stepped Regulator socket size			not done						
0.00	63.27		110.00	m	Supply and providing medium guagePVC conduit conforming to IS 9537/83 part III with suitable size specials such as slip in type couplers and bends, fixing the conduit using metal saddles spacing not exceeding 50cms including making good the damages etc. as 20mm pvc pipe.			not done						
1.00	72.95		77.00	m	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 1.5 sq mm conforming to IS 694/1990 through the existing conduit and giving connections etc, 1.5 sq mm 3 runs			not done						
.00	76.41		21.00	m	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 2.5 sq mm conforming to IS 694/1990 through the existing conduit and giving connections etc, 2.5 sq mm 2 runs			not done						
.00	180.68		1.00	m	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 4.0sq mm conforming to IS 694/1990 through the existing conduit and giving connections etc, 4.0 sq mm 4 runs			not done						
					Supply and drawing bare copper conductor along with wiring /cables/through pipe etc. as required				not done					
.68	101.00		26.68	101.00	m	Supplying heavy duty PVC/ XLPE insulated pvc sheathed annoured power cable with Aluminium conductor for working voltages upto and including 1100 V , 2.00 mm			not done					
			126590.85	43.00	M	Supplying heavy duty PVC/ XLPE insulated pvc sheathed annoured power cable with Aluminium conductor for working voltages upto and including 1100 V , 10 mm size			not done					

43.00	126590.85	43.00	1000 M	Supplying heavy duty PVC/ XLPE insulated pvc sheathed armoured power cable with Aluminium conductor for working voltages upto and including 1100 V, 4 core 10 sqmm size				not done	
43.00	54.29	43.00	m	Laying charges of UG cable upto 25 sq mm size through the wall, by clamping the cable using proper saddles, screws etc. complete required.				not done	
2.00	275.20	2.00	E	Supply and providing cable gland suitable 10 Sq mm armoured aluminium cable and making end termination				not done	
5.00	221.17	5.00	E	Supply and fixing of Cover frame & Grid frame for modular switches and accessories, surface box with front plate and making good the surface of the wall, colour washing etc.				not done	
1.00	237.12	1.00	E	2 Module surface box with front plate				not done	
5.00	299.22	5.00	E	3 Module surface box with front plate				not done	
10.00	132.64	10.00	E	6 Module surface box with front plate				not done	
20.00	169.44	20.00	E	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A)				not done	
1.00	183.54	1.00	E	6 A SP 1 way switch				not done	
1.00	247.94	1.00	E	6A2M 3pin plug				not done	
1.00	247.94	1.00	E	16A SP one way switch				not done	
1.00	3247.54	1.00	E	6/16A Socket				not done	
1.00	858.82	1.00	E	Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB, isolator etc. including providing blanking plates in the blanking slots, fixed on wall				not done	
2.00	203.72	12.00	E	Supply and fixing the following rating of MCB and giving connections. 40A 4Pole				not done	
2.00	2802.32	1.00	E	Supply and fixing the following rating of MCB and giving connections. 6 to 32A SP MCB				not done	
2.00	2802.32	1.00	E	Supply and fitting following type and ratings of in the existing Distribution board including connections. RCCB 4 pole 40A, 30mA				not done	

Part I - Amount of work Executed

[illegible]

Sl. No.	Particulars	Unit	Qty	Rate	Amount	Remarks	Estimate No.	Estimate Date	Estimate Value
3162.52	finishing and reinforcement, with 1:1 1/2:3 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	m ²	28.019	144.33	4044.00	Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Float glass panes	8743161	015,269.16	615,269.16
144.33	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement & testing of joints including fittings complete as per direction of Engineer in Charge. 63 mm dia 4Kg/cm ²	m	58.450	144.33	8436.09	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement & testing of joints including fittings complete as per direction of Engineer in Charge. 63 mm dia 4Kg/cm ²	8743161	015,269.16	615,269.16
7594.89	Supply and installation of double cover enclosure of vertical MCB DB 4way(8+12) with provision for fixing MCCB/MCB/Four Pole Isolator as incomer for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for TP/SP MCB as out goings Three phase VDB	Each	1	7594.89	7594.89	Supply and installation of double cover enclosure of vertical MCB DB 4way(8+12) with provision for fixing MCCB/MCB/Four Pole Isolator as incomer for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for TP/SP MCB as out goings Three phase VDB	8743161	015,269.16	615,269.16
904.82	Supply and fixing the following rating of MCB isolators and giving connections. 63A on Three phase DBs	Each	1	904.82	904.82	Supply and fixing the following rating of MCB isolators and giving connections. 63A on Three phase DBs	8743161	015,269.16	615,269.16
890.45	Supply and fixing the following rating of MCB - B series and giving connections Tripple pole MCBs	Each	3	890.45	2671.35	Supply and fixing the following rating of MCB - B series and giving connections Tripple pole MCBs	8743161	015,269.16	615,269.16
364.18	Supply and fitting cast aluminium stove enamelled elliptical shape bulk head fitting with porcelain holder and meshguard with front clear glass and 14w CF lamp, to wall including giving connections using 16/0.20 mm pvc insulated and sheathed 3 core wire. Bulkhead fitting	Each	3	364.18	1092.54	Supply and fitting cast aluminium stove enamelled elliptical shape bulk head fitting with porcelain holder and meshguard with front clear glass and 14w CF lamp, to wall including giving connections using 16/0.20 mm pvc insulated and sheathed 3 core wire. Bulkhead fitting	8743161	015,269.16	615,269.16
256.24	Supply and fitting 63A 415V HRC type porcelain fuse unit in the existing fuse box and giving connections. 63 A Fuse unit	Each	3	256.24	768.72	Supply and fitting 63A 415V HRC type porcelain fuse unit in the existing fuse box and giving connections. 63 A Fuse unit	8743161	015,269.16	615,269.16

Sr. No.	Description of work done or supplies made	As per Agreement No: 1164/16-17		Measurement Book		made		Since last bill Rs. Ps.	Upto date Rs. Ps.	Since last bill Rs. Ps.
		Number Quantity or Weight	Rate Rs. Ps.	Book No.	Page:	Upto date	Since last bill			
3		3	4	5	6	7	8	9	10	11
			276.77	6	Metre	Supply and laying and clamping of 40mm dia 'B' class GI pipe on surface of wall / parapet etc. As protective covering to earth lead / cable / as service pipe etc.		not done		0.00
			9677.00	1	Each	Supplying of 70/72 LED street light luminaire with epoxy powder coated pressure die-cast aluminium housing with heat resistant toughened clear glass fixed with SS screws. Manufacturer name engraved / embossing in housing is not acceptable till life of fixture (stickering and printing is not acceptable) with operating voltage range (140 - 270V AC). The luminaire shall be minimum IP66 protected. LED driver has protection against over voltage and short circuit with LED driver efficiency should be greater than 85% with CRI greater than 75 and with colour temperature 5700K range. minimum 3KV surge protection in driver, LED having 50,000 burning hours with minimum 70% lumen maintenance and power factor 0.90 with THD less than 10%. System consumption should be 70/72 = 5W with lumen package of 100 lumens / watt. (Osram / Philips / Bajaj or equivalent make with three year minimum warranty)		not done		0.00
			839.42	1	Each	Supply and fitting GI bracket bend in proper shape for fixing 70/72 W LED (or nearest available wattage) lamp street light fitting made of 40mm dia GI pipe. 1.00 mtr length with clamps bolts and nuts etc. complete.		not done		0.00
			334.92	1	Each	Fitting charges of LED street fittings 40/45/70/72/110W on the existing GI bracket fitted with the electric post laying necessary lead wires and giving proper connections.		not done		0.00
						Deduct tender below Total work done as per agg.	5.329%			4773453.28 4,77,054.19 254877.33 25,48,773.33 4519075.95 45,19,07,595.95

CC First part bill - Tax Deduction

VAT 4.00%
Income tax 1.00%
K.C.W.W.F 1.00%
CGST 1.00%
SGST 1.00%

Total deduction

After deduction

Net amount

Deduct amount paid in first part bill

Add Retention

Net amount payable

[Handwritten signature]
SRI KUMAR P. R.
ASSOCIATE ENGINEER
KODUNGGOOR ROAD CORPORATION

[Handwritten signature]

117305.00
45191.00
45191.00
15865.00
15865.00
239477.00
4279658.95
4279659.00
2683358.00
1596301.00

117305.00
45206.00
45206.00
15880.00
15880.00
239477.00
4281114.55
4281114.00
2683358.00
1597756.55

634
152
73316.00
1597756.67
1597757.00
1596301.00

[Handwritten signature]
Rekha
DB/Overse
KODUNGGOOR

A. BILL PREPARATION SECTION

Certified that the measurements were made by me on.....
and are recorded on pages.....of Measurement Book No.....
and that the work has been executed satisfactorily and that the bills claimed above represents a
Account of contractor's claims and liabilities

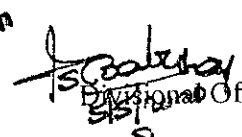

Dated 10/9/12 Signature of office preparing
Rank ASST. ENGINEER
Kochi Municipal Corporation

B. REMARKS BY CHECK MEASURING OFFICER

check measured by ~~ASST~~ AEE
Murali Mohan on 10/9/12


Sub Divisional Officer


Exe. Engineer
LSGD
Kochi Municipal Corporation


SUPERINTENDING ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN

C. AUDIT SECTION

Checked again the calculation and verified the rate against the contract shedule quantities against
estimate provision and issus against sanctioned data.

1. Total value of work done as per part I, Column II Entry (A)

Rs

Ps

- 2 Deduct amount with held -
(a) From previous bill
(b) From this bill
- 3 Balance, i.e., up-to-date payment (Item 1-2 K)
- 4 Total amount of payments already made as per entry (K) of last Running Account bill No.
- 5 Payments now to be made as detailed below:
(a) By recovery of amounts creditable to this work
(i) Value of departmental materials or stock supplied and as per column.....
Part IV - materials account of this bill
(ii)

1659761
15865
15865
15865
15865
63460

Total of item 2 and 5 (a).....(G)

- (b) By recovery of amounts creditable to other works head of accounts
(i) Hire on accounts of social tools and plant issued to the contractor XXXIX - Civil work - Miscellaneous
(ii) Recovery on account of Sales Tax - XII other Taxes and duties.

(c) By Cheque
Total 5. (b) and (c).....(H)

63460

Rs. 1596301/-

The total up-to-date of work is admitted for Rupees.....
and after deducting the previous payments and including the amount withhold the bill is passed for Rs.....

Certificate that the bill as passed above has been ledgered
Payment Order No.....
Officer Authorising.....
Dated Signature.....
Rank.....

Head Accountant

Jaimon James
Construction of classroom building at Govt LPS, Vennala in div. 4b LAC ADS Ind

Paid in Cheque.....
Paid in Cash.....
Divisional Officer
SUPERINTENDING ENGINEER
MUNICIPAL CORPORATION COCHIN

Received Rupees (in words).....
On account of this work (as a final payment in settlement of all demands
Left hand thumb impression)

Date.....

Rs.....

Full Signature of Contractor



Part IV - MATERIALS ACCOUNT

[illegible]

materials not provide for in the agreement are issued vide paragraph 359 recovery will have to be made at the issue rate or market rate at the time of supply whichever May be
r and should include storage charges vide paragraph 350 of the K.P.W.A. Code
paragraph 358 of the K.P.W.A. Code.

..... Accountant

Audit Section.

Officer measuring
the work and
preparing the bill

Signature.....
Rank ASSISTANT ENGINEER
EDUCATION

Signature of the Contractor.....
at the time of payment

Date:.....

KOCHI MUNICIPAL CORPORATION

Completion	Name of works	Amount of sanctioned estimate or requisition		Total value of work done	Difference between column 5 & 6 (excesses to be shown in red ink)	Names of the Engineer and subordinates by whom work was supervised		Period of incumbency		By whom last inspected	Remarks and explanation of difference and proposals as in the disposal of materials at site
		Rs	Ps			Name	From	To			
3	4	5	6	7	8	9	10	11	12		
13/9/2017	Govt. L P School, Vennala in Div - 46	4982039/-	4773453.00/-	2085861/-	Muralidharan (AEE) Subhakaran (AE) Sabarbanan P.R (AE) Prasanna Kumar (PWO II)	Through out	Through out	AEF			

SL No. 13/9/2017
Submitted in manner as regards to ENGINEERING

It is certified that the work has been fully executed to the extent of the estimate in a substantial and satisfactory manner as required by the sanctioned plan and that excluding trifling deviations sanctioned in the monthly deviation statements, and those explained above, it corresponds in all respects with the sanctioned plan.

For the purposes for which it is intended.



Rekhamma .N.T
 Overseer, L.S.G.D.
 KOCHI MUNICIPAL CORPORATION

Manager

ABHILASH K P
 L.S.G.D. ENGINEER
 ASSISTANT ENGINEER
 KOCHI MUNICIPAL CORPORATION

V.S. HD

Chief Engineer

Exo. Engineer
 LSGD

Kochi Municipal Corporation

REF: 3118/15

Office of the Corporation of Cochin
Vyttila Zonal Office, Kochi-19

Dated 20/02/15

WORK ORDER NOTICE

Sub: Construction of new class room block for Govt. L.P. School
Vennala

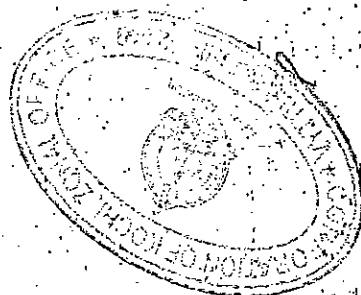
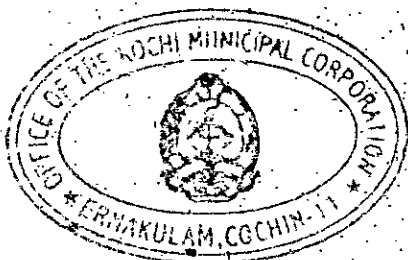
Ref: 1. Administrative Sanction from the Standing Committee (Works)/Council as per Resolution

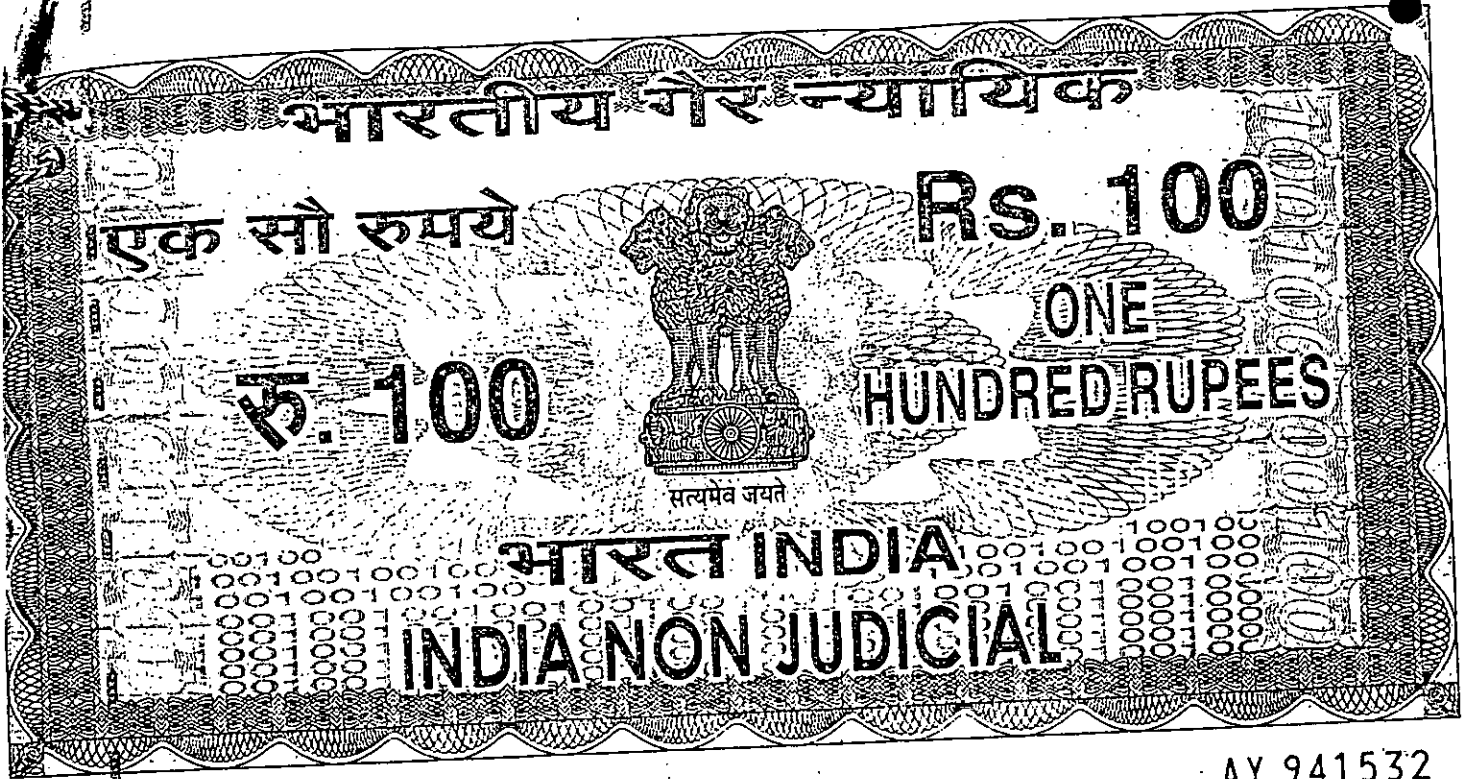
No. 67 dated 23/12/14

2. Agree executed by Contractor.

The Contractor, Sri/Smt. Jayaram Jayaraj has
executed the Agreement for the above work. He is therefor here by requested to commence the
work on or before 31/03/15. Under the instructions and supervisions of
the Assistant Executive Engineer and complete it on or before 20/06/15 with a
report to the undersigned, failing which the Contractor will be cancelled to the work get down
otherwise stand lose if any to the Corporation will be made good from him.


CORPORATION ENGINEER





കേരളം KERALA

11/04/16.17

AY 941532

AGREEMENT made on the 11th day of February 2017 Two Thousand and between Sri.Jaimon James, Contractor (hereinafter called the Contractor) of the one part and the Municipal Corporation of Cochin, represented by the Additional Secretary, Smt.A.S.Anuja for and on behalf of the Municipal Corporation of Cochin (hereinafter called the Corporation) of the other part.

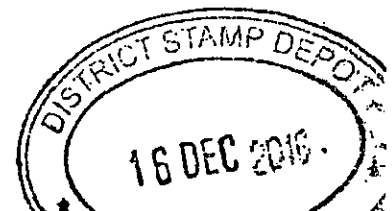
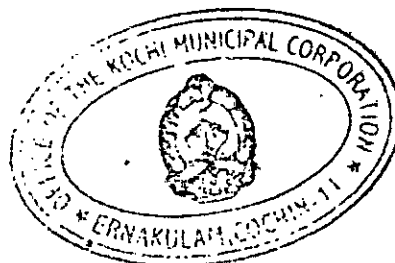
WHEREAS the contractor has agreed with the Corporation to execute and complete the work described in the schedule herewith attached at the prices in such schedule mentioned and in conformity with the specification in such schedule on or before.

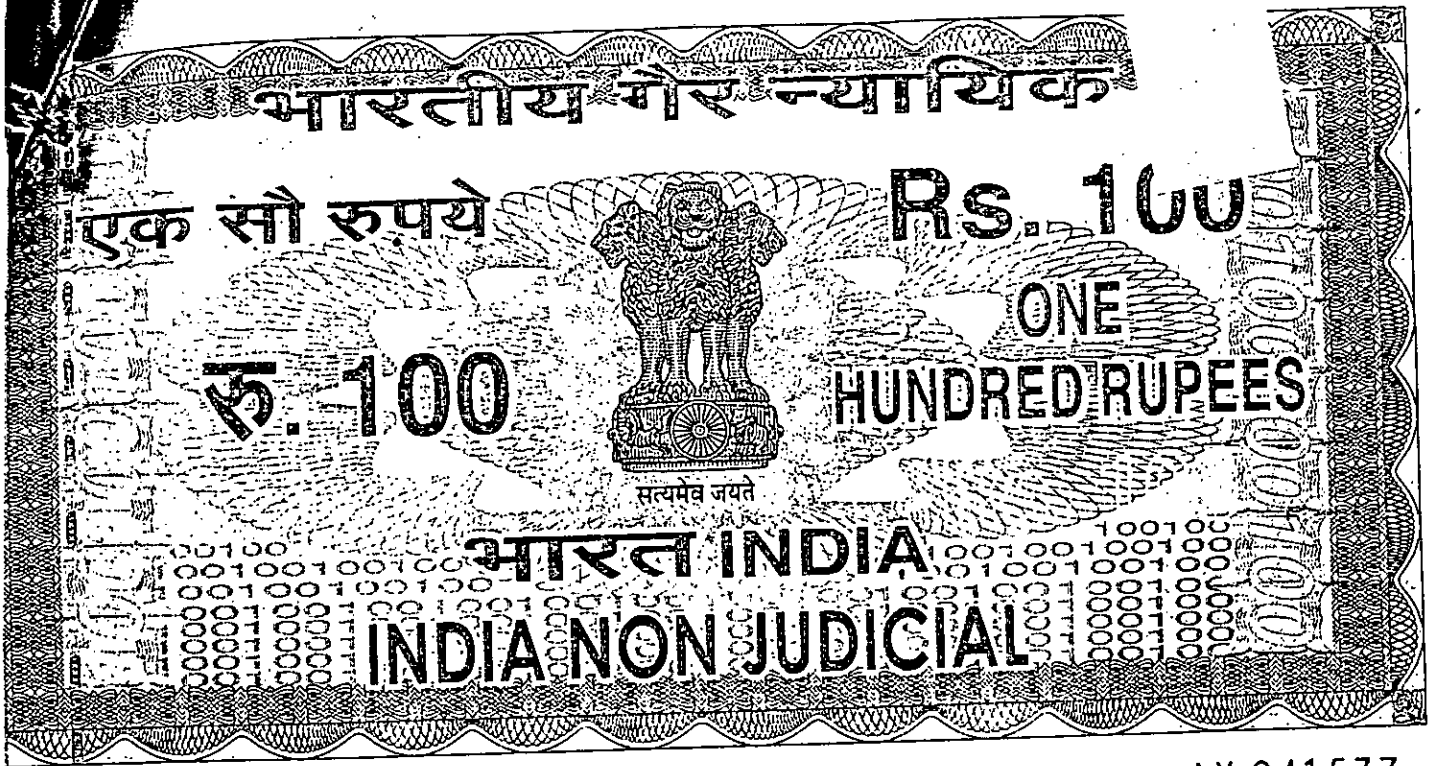

CONTRACTOR


SUPERINTENDING ENGINEER


ADDITIONAL SECRETARY

(cond.....2)





കേരളം KERALA

AY 941533

-2-

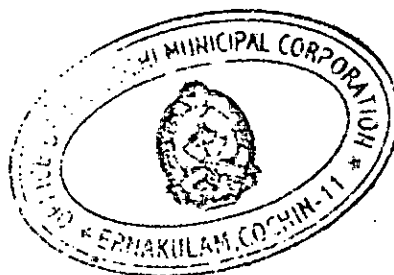
1164/16.17 dt 9/2/17

NOW these present witness that for carrying said agreement into execution the contractor on the one part and the Addl. Secretary of the other part do hereby mutually contract and agree as follows that is to say:


CONTRACTOR


SUPERINTENDING ENGINEER

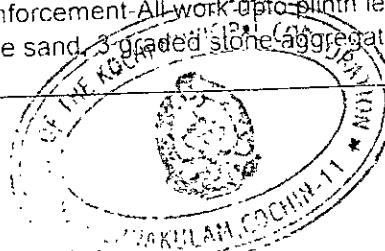

ADDITIONAL SECRETARY



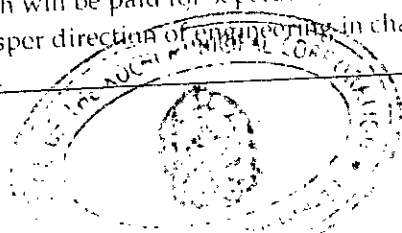
SCHEDULE TO ACCOMPANY AGREEMENT

Name of Work: Construction of Class Room Building at Govt. LP School, Vennala in Div.46

Sl. No.	Code & Description of work	No. or Qty.	Unit	Rate
1.00	2.8.1 Earth work excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan). including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	85.50	m3	227.99
2.00	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level, 1:4:8(1 cement, 4 coarse sand, 8 graded stone aggregate 40mm nominal size)	30.50.00 30.50	m3	6226.34
3.00	7.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cm 1:6:12 (1:cement; 6:coarse cement; 12:graded stone aggregate 20mm nominal size) upto plinth level 7.1.1 Cement mortar 1:6(1:cement; 6:coarse sand)(including bond stone)	36.00	m3	5671.84
4.00	OD Cement Solid block masonry with cm 1:6 using best quality block of size 40x20x15cm including cost and conveyance etc.complete	52.50	m3	5976.03
5.00	5.9 Centering and shuttering, including strutting, propping etc. and removal of form for :			
6.00	a) 5.9.1 Foundation, footing, bases of columns, etc.for mass concrete.	32.00	m2	284.38
7.00	b) 5.9.3 Suspended floors, roofs, landings, balconies, and access platform	350.00	m2	581.42
8.00	c) 5.9.5 Lintels, beams, plinth beams, girders, bressumesrs and canti levers	325.00	m2	480.82
9.00	d) 5.9.6 Columns, Pillars, Piers, Abutments, Posts and Struts	149.00	m2	656.26
10.00	e) 5.9.7 Stairs(excluding landings) except spiral staircase	11.00	m2	572.74
11.00	f) 5.9.16.1 Edges of slabs and breaks in floors and walls under 20cm wide	183.00	m2	168.50
12.00	g) 5.9.19 Wheather shade, Chajas, corbels, etc. including edges	50.70	m2	712.72
13.00	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work upto plinth level 1:1.5:3(1 cement, 1.5 coarse sand, 3 graded stone aggregate 20mm nominal size)	44.50	m3	9018.83
14.00	5.2.2 Reinforcement cement concrete work in walls (any thickness) including attached pilasters, buttresses, plinth and string,courses, fillets, columns, pillars, piers, abutments, posts, and struts etc. upto floor five level, excluding the cost of centering, shuttering, finishing and reinforcement-All work upto plinth level 1:1.5:3(1 cement, 1.5 coarse sand, 3 graded stone aggregate 20mm nominal size)	8.00	m3	10240.75



	5.3	Reinforcement cement concrete work in beams, Suspended floors, roofs having slope upto 15° landings, balconies, Shelves, chajjas, lintels bands, plain window sills, staircases and spiral stair case upto floor five level, excluding the cost of centering and shuttering, finishing and reinforcement with 1:2:4 (1 cement, 2 course sand, 4 graded stone aggregate 20mm nominal size)	65.20	m3	9812.12
16.00	5.22.6	Reinforcement RCC work using Thermo-Mechanically treated bars including straightning, cutting, bending and placed in position and blinding al complete upto plinth level. For covering slab and strut	13150.00	kg	98.58
17.00	13.1.1	Plastering with cement mortar 1:4 (1 cement:4 fine sand) 12mm thick including a neat cement flushing coat	903.00	m2	236.46
18.00	13.16	Plastering with cement mortar 1:3 (1 cement:3 fine sand) 6mm thick including a neat cement flushing coat	450.00	m2	194.99
19.00	11.37	Providing and laying ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement 4:coarse sand) including pointing the joints with white cement and matching pigment etc. complete.	57.00	m2	1136.94
20.00	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer in-charge, in skirting, risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1 cement 3:coarse sand) and jointing with grey cement slurry @ 3.3kg / sqm including pointing in white cement mixed with pigment of matching shade complete.	21.00	m2	1211.13
21.00	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5m (use dept. earth)	100.50	m3	162.71
22.00	13.43	Applying one coat of cement primer of approved brand and manufacture on wall surface : Exterior	1326.00	m2	51.89
	13.43.1	Cement primer			
23.00	13.47	Finishing walls with premium Acrylic Smooth exterior paint with Silicone additive of required shade	1326.00	m2	137.44
	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10sq.)			
24.00	50.9.1.1	Providing wood work in frames of doors & windows clear story windows and a thother frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fastenens shall be paid for seperately) using Anjily / Jack wood	1.20	m3	88659.72
25.00	50.9.3.1	Providing & fixing panelled or panelled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright finished of required size with necessary screws excluding panelling which will be paid for seperately as for seperately all complete as per direction of Engineer in charge using Angili / Jack wood.	39.00	m3	2329.98



5.9.4.1	Providing & fixing panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for panelled and glazed shutters 25mm - 40mm thick using good quality Anjily /Jack wood	21.10	m2	2017.77
27.00	9.53 Providing 40x5mm flat iron hold fast 40cm long including fixing to frames with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size)	128.00	E	169.87
28.00	10.25.2 Steel work welded in built up sections/ framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer, using structural steel etc.as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	370.00	kg	130.42
29.00	13.48.2 Finishing with Delux Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications. Painting Wood work with Delux Multi surface paint of required shade. Two or more coats applied @ 0.90 Ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10sqm of approved brand or manufacturer	111.00	m2	127.67
30.00	9.63.2 Providing and fixing ISI marked Oxidised M.S tower bolt black finish, (Barrel type) with necessary screws etc.complete 200x10mm	12.00	E	84.90
31.00	9.65.1 Providing and fixing ISI marked Oxidised M.S door latches conforming to IS:5930 with necessary screws etc.complete 300x20x6mm	6.00	E	100.75
32.00	Demolishing cement concrete manually/by mechanically means including disposal of material within 50mtrs lead as per direction of Engineer-in-charge A) 15.2.1 Nominal concrete 1:3:6 or richer mix(i/c equivalent design mix for existing lane)	2.30	m3	1292.27
33.00	b) 15.2.2 Nominal concrete 1:4:8 or richer mix(i/c equivalent design mix)	16.10	m3	796.90
34.00	15.12.1 Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc.complete and stacking within 50 meters lead. Of area 3 sq.meters and below	15.00	E	204.47
35.00	15.14.2 Dismantling wood work in frames, trusses, purlins and rafters upto 10 meter span and 5 meters height including staking the material within 50 meters lead. Of sectional area below 40 sq.centimeter.	1169.00	m	9.91
36.00	15.31 Dismantling tiled roofing with battens, board etc.complete including staking serviceable material and disposal of unserviceable material within 50 meters lead.	248.00	m2	111.97
37.00	15.7.4 Demolishing brick work manually by mechanical means including staking serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer-in-charge in cement mortar.	48.00	m3	1091.63
38.00	13.50.1 Applying priming coat : With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	111.00	m2	47.69

SINEE

HIP
10

00	APP: B : ELECTRIFICATION	Supplying		
	and wiring points as per IS 732-1989 in medium guage PVC conduct 20mm with specials using 1.0 Sq mm PVC insulated stranded single core copper wire 650/1100 V with 2.03 continuous copper earth wire, clamping using metal saddles spacing not to exceed 50cm suitable size metal switch boxes with sheet thickness 1.63 mm, 3mm thick hylom front sheet cover, upto and including 6A Piano type SP switch 6A 3 plate ceiling rose, copper wire of the specification and size of 1.5 Sq mm should be used in 2 runs as circuit to switch board (All the materials should have departmental approval)			
40.00	a) Ceiling rose point	26.00 ✓	E	800.05 ✓
41.00	b) Point without ceiling rose	5.00 ✓	E	781.65 ✓
42.00	c) Combined Plug point	11.00 ✓	E	479.57 ✓
43.00	d) Ceiling pint fan with Stepped Regulator socket size	20.00 ✓	E	1291.35 ✓
44.00	Supplying and providing medium guage PVC conduit confirming to IS 9537/83 part II with suitable size specials such as slip in type couplers and bends, fixing the conduit using metal saddle spacing not exceeding 50cms including making good damage set as:	110.00 ✓	mtr	63.27 ✓
45.00	Supplying and drawing 650/1100 V grade PVC insulated stranded single core copper conductor cable of size 1.5 sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc.	77.00 ✓	mts	72.95 ✓
46.00	Supplying and drawing 650/1100 V grade PVC insulated stranded single core copper conductor cable of size 2.5 sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc. 2.5 sq mm 2 runs	21.00 ✓	mts	76.41 ✓
47.00	Supplying and drawing 650/1100 V grade PVC insulated stranded single core copper conductor cable of size 4.0 sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc. 4.00 sq mm 4 runs	1.00 ✓	mts	180.68 ✓
48.00	Supplying and drawing bare copper conductor along with wiring/cables/ through pipe etc. as required 2.00 mm	101.00 ✓	mts	26.68 ✓
49.00	Supplying heavy duty PVC/XLPE insulated pvc sheathed armoured power cable with Aluminium conductor for working voltage upto and including 1100 V 10 sq mm size 4 core	43.00 ✓	1000mts	126590.85 ✓
50.00	Laying charges of UG cable upto 25 sq mm size through the wall, by clamping the cable using proper sadles, screws etc. complete required.	43.00 ✓	mts	54.29 ✓
51.00	Supplying and providing cable gland suitable 10 Sq mm armoured aluminium cable and making end termination	2.00 ✓	E	275.20 ✓
52.00	Supplying and fixing Cover frame & Grid frame for modular switches and accessories, surface box with front plate and making good the surface of the wall, colour washing etc. Module surface box with front plate A) 2	5.00 ✓	E	221.17 ✓
53.00	b) 3 Module surface box with front plate	1.00 ✓	E	237.12 ✓
54.00	c) 6 Module surface box with front plate	5.00 ✓	E	299.22 ✓
55.00	Supplying and fixing the following modular switches and accessories, in the existing front plate and giving necessary connections as required (Group A) A) 6 A SP 1 way switch	10.00 ✓	E	132.64 ✓
56.00	b) 6 A 2M 3 pin plug	20.00 ✓	E	169.44 ✓
57.00	c) 16 A SP 1 way switch	1.00 ✓	E	183.54 ✓
58.00	d) 6/16 A Socket	1.00 ✓	E	247.94 ✓

0
00
5.00
7
4.00
36.00
84.00
570.00
825.00
140.0
744.0
722.0
7,091.
6,739
975.4
353.7
131.3
393.

59.00	Supplying and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB isolator etc.including providing blanking plates in the blanking slots, fixed on wall 4 way (8+12)	1.00	✓	E	3247.54	✓
60.00	Supplying and fixing the following rating of MCB and giving connections. A). 40 A 4 pole	1.00	✓	E	858.82	✓
61.00	Supplying and fixing the following rating of MCB and giving connections. 6 to 32 A SP MCB	12.00	✓	E	203.72	✓
62.00	Supplying and fitting following type and ratings of in the existing Distribution board including connections RCCB 4 pole 40 A, 30m A	1.00	✓	E	2802.32	✓
63.00	Supplying and fitting MS Rod type fan clamp for RCC slab neatly painted with two coats of enamel paint	20.00	✓	E	223.04	✓
64.00	Supply conveyance, installation, testing and commissioning of 1200 mm sweep AC ceiling fan (B Category) using standard accessories, wiring the down rod with 16/02mm pvc insulated and pvc sheathed 650/1100V grade 3 core round copper conductor flex.	20.00	✓	E	1836.44	✓
65.00	Supply conveyance, installation, testing and commissioning the following types of light fittings made from CRCA sheet 0.5 mm thickness with all accessories and lamps directly on wall and giving connection with 16/0.20m 3 core pvc insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required. a) 1x28 w T5 fitting with APF electronics ballast suitable for continuous operation with THD < 10 %, power factor > 0.98, RoHS compliant, high lumen tube.	20.00	✓	E	1682.45	✓
66.00	Providing independent ordinary pipe earthing using 1.85 mtrs of 40mm dia GI pipe, earth wire copper and other specials such as common salt, charcoal bolts and nuts etc.complete required at site	2.00	✓	E	1400.79	✓
67.00	Supplying and fixing of the three phase meter chamber 300x450x170mm size, directly on wall using proper bolts, nuts etc.and making good the surface of wall.	1.00	✓	E	3096.04	✓
68.00	Supplying and fitting 32 A 415 V 50HZ LT TPN heavy duty switch disconnector fuse unit in sheet steel enclosure on angle iron frame work and giving connections	1.00	✓	E	4136.49	✓
69.00	Supplying and fitting 32 A 415 V KitKat type fuse unit in the existing fuse box and giving connections	3.00	✓	E	170.64	✓
70.00	Amount to be remitted in KSEB as supervision charges for energisation	1.00	✓	LS	10000.00	✓

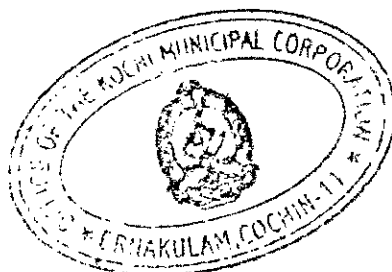
The Contractor (Jaimon James) hereby agrees to carry out the work at 5.329 % (Five point Three Two Nine Percent) Below than estimate rate with reference quantity and in strict conformity with the rules laid down in the standard specification of department to the entire satisfaction of the Corporation of Cochin or their deputies.

CONTRACTOR

SUPERINTENDING ENGINEER

ADDITIONAL SECRETARY

Witness:1)



FORM OF NOMINATION

I, Saimon James..... Contractor do here by nominate and authorize
Reshmi..... W/O. DIO S/O Saimon James aged 36 years of
Thottupuzam..... House Poonithura..... Village
Kanayannur..... Taluk Ernakulam District residing at
Thottupuzam..... House Vythila..... P.O to receive all or
any sums found due to me under the terms of Contract (Agreement No.....)
in the event of my death before the amount has becomes payable or having become payable,
but has not been paid.

Signature :

[Signature]

Name :

Saimon James

Address :

Thottupuzam (H)
Thykoodam, Vythila, P.O
682019

In the Presence of Witnesses :

1) Name :

Address :

Signature :

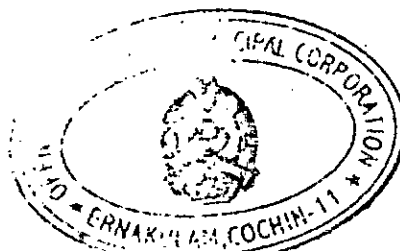
2) Name :

Address :

Signature :

[Signature]
SUPERINTENDING ENGINEER

[Signature]
ADDITIONAL SECRETARY



④

1. Relationship

2024

1

100

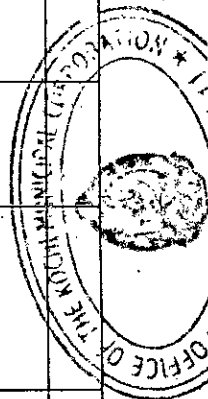
2

100

FORM NO. D. B. 4 - COMPARATIVE STATEMENT (LARGE)

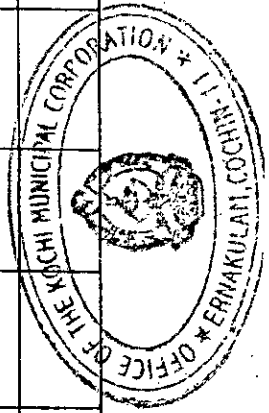
Abstract of Original and Revised Estimates with explanations of difference in quantities and rates

Sub-heads of estimates and items of works	Original Estimate			Revised Estimate					Savings (minus)	Excess (plus)	Explanatory
	Quantity	Rate	Amount	Total	Rate	Already executed	To be executed	TOTAL Quantity			
Appendix A (Civil works)											
2.8.1 Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	85.50	227.99 / m ³	19493.15	19493.14	227.99 / m ³	167.245	0.030	167.275	38,137.03	m ³	18,643.88
4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering -All work upto plinth level:1:4:8 (1 Cement:4 coarse sand: 8 graded stone aggregate 40mm nominal size)	30.50	6226.34 / m ³	189903.37	189903.37	6223.34 / m ³	39.059	0.009	39.068	243,250.65	m ³	53,347.28
7.1.1 Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with aggregate 20 mm nominal size (1 cement:6 coarse sand)	36.00	5671.84 / m ³	204186.24	204186.24	5671.84 / m ³	70.943	0.007	70.950	402,417.05	m ³	198,230.81
OD Cement solid block masonry with cm 1:6 using best quality block of size 40x20x15 cm including cost and conveyance etc. complete	52.50	5976.03 / m ³	313741.58	313741.57	5976.03 / m ³	57.024	22.506	79.530	475,273.67	m ³	161,532.09
5.9 Centering and shuttering including strutting, propping etc. and removal of form for:											
5.9.1 Foundations, footings, bases of columns, etc. for mass concrete	32.00	284.38 / m ²	9100.16	9100.16	284.38 / m ²	30.720	0.000	30.720	8,736.15	m ²	364.01
5.9.3 Suspended floors, roofs, landings, balconies and access platform	350.00	581.42 / m ²	203497.00	203497.00	581.42 / m ²	238.870	0.000	238.870	138,883.80	m ²	64613.20
5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers	325.00	480.82 / m ²	156266.50	156266.50	480.82 / m ²	333.938	0.012	333.950	160,569.84	m ²	4,303.34
5.9.6 Columns, Pillars, Abutments, Posts and Struts	149.00	656.26 / m ²	97782.74	97782.74	656.26 / m ²	149.895	29.645	179.540	117,824.92	m ²	20,042.18
5.9.7 Stairs, (excluding landings) except spiral staircases	11.00	572.74 / m ²	6300.14	6300.14	572.74 / m ²	19.449	0.001	19.450	11,139.79	m ²	4,839.65
5.9.16.1 Edges of slabs and breaks in floors and walls Under 200 cm wide	183.00	168.50 / m ²	30835.50	30835.50	168.50 / m ²	16.282	0.000	16.282	2,743.52	m ²	28091.98
5.9.19 Weather shade, Chajjas, corbels etc., including edges	50.70	712.72 / m ²	36134.90	36134.90	712.72 / m ²	50.120	0.000	50.120	35,721.53	m ²	413.37
5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level: 1:1.5:3 (1 cement:1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	44.50	9018.83 / m ³	401337.94	401337.93	9018.83 / m ³	34.028	0.022	34.050	307,091.16	m ³	94246.78



SL NO	Sub-heads of estimates and items of works	Original Estimate				Revised Estimate				
		Quantity	Rate	Amount	Total	Rate	Already executed	To be executed	TOTAL Quantity	Amount
14	5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string course, filllets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement. 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	8.00	10240.75 / m ³	81926.00	81926.00	10240.75 / m ³	6.545	1.925	8.470	86,739.15
15	5.3. Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	65.20	9812.12 / m ³	639750.22	639750.22	9812.12 / m ³	not done		not done	
16	5.2.2.6. Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut.	13150.00	98.58 / kg	1296327.00	1296327.00	98.58 / kg	9596.479	298.521	9895.000	975,449.10
17	13.1.1 Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick	903.00	236.46 / m ²	213523.38	213523.38	236.46 / m ²	871.510	624.450	1496.000	353,744.16
18	13.16.1 Plastering with cement mortar 1:3(1 cement:3 fine sand), 6mm thick including a neat cement flushing coat	450.00	194.99 / m ²	87745.50	87745.50	194.99 / m ²	395.474	277.956	673.430	131,312.12
19	11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	57.00	1136.94 / m ²	64805.58	64805.58	1136.94 / m ²	0.000	346.000	346.000	393,381.24
20	11.36 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry@3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	21.00	1211.13 / m ²	25433.73	25433.73	1211.13 / m ²	0.000	26.000	26.000	31,489.38
21	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m	100.50	162.71 / m ³	16352.36	16352.35	162.71 / m ³	154.171	-0.001	154.170	25,085.00
22	13.43 Applying one coat of cement primer of approved brand and manufacture on wall surface.	1326.00	51.89 / m ²	68806.14	68806.14	51.89 / m ²	0.000	2095.500	2095.500	108,735.50

	Original Estimate				Revised Estimate				Savings (minus)	Excess (plus)	Explanation
	Quantity	Rate	Amount	Total	Already executed	To be executed	TOTAL Quantity	Amount			
heads of estimates and items of works											
shing walls with Premium Acrylic Smooth	1326.00	137.44 / m ²	182245.44	182245.44	0.000	1764.000	1764.000	242,444.16	60,198.72		
with Silicone additives of required shade	m ²							m ²			
wo or more coats applied @ 1.43 ltr/10sqm.											
iding base coat of water proofing cement paint	1.20	88659.72 / m ³	106391.66	106391.66	1.148	0.083	1.231	109,140.12	2,748.46		
1 kg/10sqm).	m ³							m ³			
inding wood work in frames of doors &											
r story windows and another frames wrought	39.00	2329.98 / m ³	90869.22	90869.22	11.312	2.262	13.574	31,627.15	59242.07		
ed in position with hold fast lugs or with	m ³							m ³			
equired dia and length (hold fast and dash											
ie paid for separately) using Anjily/Jack wood											
viding & fixing paneled or paneled and glazed											
ors, windows and clear story windows 30mm											
including ISI marked MS Pressed Butt hinges											
ed of required size with necessary screws											
eling which will be paid for separately as for											
complete as per direction of engineering in											
Anjily/Jack wood.											
iding & fixing paneling and glazing in paneled	21.10	2017.77 / m ²	42574.95	42574.95	not done	6.732	6.732	13,583.63	28991.31		
id glazed shutters for doors, windows and	m ²							m ²			
ows (area of opening for p anel inserts											
ion inside grooves or rebates to be measured)											
paneled and glazed shutters 25mm-40mm thick											
ality Anjily/Jack wood											
ng 40x5 mm flat iron hold fast 40 cm long	128.00	169.87 / E	21743.36	21743.36	90.000	10.000	100.000	16,987.00	4756.36		
ig to frame with 10mm diameter bolts, nuts	E							E			
lugs and embedding in cement concrete block											
1:3:6 mix (1 cement:3 coarse sand:6 graded											
e 20mm nominal size).											
al work welded in built up sections/framed	370.00	130.42 / kg	48255.40	48255.40	468.261	15.419	483.680	63,081.55	14,826.15		
ng cutting, hoisting, fixing in position and	kg							kg			
ining coat of approved steel primer using											
etc. as required. In gratings, frames, guard bar,											
i, brackets, gates and similar works											
shing with Deluxe Multi surface paint system											
nd exteriors using Primer as per manufacturers											
1 work with Deluxe Multi Surface paint of	111.00	127.67 / m ²	14171.37	14171.37	0.000	163.720	163.720	20,902.13	6,730.76		
: Two or more coat applied @ 0.90 ltr/10	m ²							m ²			
nder coat of primer applied @ 0.75 ltr/ 10 sqm											
and and manufacture											



[illegible]

Sub-heads of estimates and items of works	Quantity	Rate	Amount	Total	Rate	Already executed	To be executed	TOTAL Quantity	Amount	Savings (minus)	Excess (plus)
Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A)	10.00	132.64 / E	1326.40	1326.40	132.64 / E	0	10	10	1,326.40		
6 A SP / way switch											
56 6A2M 3pin plug	20.00	169.44 / E	3388.80	3388.80	169.44 / E	0	20	20	3,388.80		
57 16A SP one way switch	1.00	183.54 / E	183.54	183.54	183.54 / E	0	1	1	183.54		
58 6/16A Socket	1.00	247.94 / E	247.94	247.94	247.94 / E	0	1	1	247.94		
Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB isolator etc. including providing blanking plates in the blanking slots fixed on wall	1.00	3247.54 / E	3247.54	3247.54	3247.54 / E	0	1	1	3,247.54		
59											
Supply and fixing the following rating of MCB isolators and giving connections.	1.00	858.82 / E	858.82	858.82	858.82 / E	0	1	1	858.82		
60 40A 4Pole											
Supply and fixing the following rating of MCB and giving connections.	12.00	203.72 / E	2444.64	2444.64	203.72 / E	0	12	12	2,444.64		
61 6 to 32A SP MCB											
Supply and fitting following type and ratings of in the existing Distribution board including connections.	1.00	2802.32 / E	2802.32	2802.32	2802.32 / E	0	1	1	2,802.32		
62 RCCB 4 pole 40A, 30mA											
Supply and fitting MS rod type fan clamp for RCC slab neatly painted with two coats of enamel paint	20.00	223.04 / E	4460.80	4460.80	223.04 / E	0	20	20	4,460.80		
63											
Supply conveyance, installation, testing and commissioning of 1200 mm sweep Ac ceiling fan (B Category) using standard accessories, wiring the down rod with 16/0.02mm pvc insulated and pvc sheathed 650/1100V grade 3 core round copper conductor flex	20.00	1836.44 / E	36728.80	36728.80	1836.44 / E	0	20	20	36,728.80		
64											
Supply conveyance, installation, testing and commissioning the following types of light fittings made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required	20.00	1682.45 / E	33649.00	33649.00	1682.45 / E	0	26	26	43,743.70		10,094.70
65 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant, high lumen tube.											
Providing independent ordinary pipe earthing using 1.85 mtrs of 40 mm dia GI pipe, earth wire copper and other specials such as common salt, charcoal bolts and nuts etc.	2.00	1400.79 / E	2801.58	2801.58	1400.79 / E	0	3	3	4,202.37		1,400.79
66											



Original Estimate				Revised Estimate					Savings (minus)	Excess (plus)	Exp
Quantity	Rate	Amount	Total	Already executed	To be executed	TOTAL Quantity	Amount				
Sub-heads of estimates and items of works											
Supply and fixing of the three phase meter chamber 300x450x170mm size, directly on wall using proper bolts, nuts etc. and making good the surface of wall	1.00 E	3096.04	3096.04	0	1	1	3,096.04	E			
Supply and fitting 32A 415V 50HZ LT TPN heavy duty switch disconnector fuse unit in sheet steel enclosure on angle iron frame work and giving connections	1.00 E	4136.49	4136.49	0	1	1	4,136.49	E			
Supply and fitting 32A 415V kitkat type fuse unit in the existing fuse box and giving connections	3.00 E	511.92	511.92	not done		not done		E	511.92		
Amount to be remitted in KSEB	1.00	10000.00	10000.00	LS		LS	10,000.00				
Extra Items											
Appendix A (Civil works)											
5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1 1/2:3 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).				50.363	8.007	58.370	615,342.96 615,342.96 55,142.58	m ³		615,342.96 615,342.96 55,142.58	
9.4.1 Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Float glass panes				18.144	9.875	28.019	87,431.61 88,610.65 6,006.27	m ²		87,431.61 88,610.65 6,006.27	
50.18.9.7.2 Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement & testing of joints including fittings complete as per direction of Engineer in Charge. 63 mm dia 4Kg/cm ²				0.000	58.450	58.450	84,36.09 8,436.09 7,347.27	m		84,36.09 8,436.09 7,347.27	
Appendix B (Electrification works)											
Supply and installation of double cover enclosure of vertical VCB DB 4way(8+12) with provision for fixing MCCB/MCB/Four Pole Isolator as incomer for three phase inclusive of copper/brass bus bar, neutral link and DIN bar suitable for TP/SP MCB as out goings				0	1	1	7,594.89	E		7,594.89	
Supply and fixing the following rating of MCB isolators and giving connections.				0	1	1	904.82	E		904.82	
3A on Three phase DBs											
Supply and fixing the following rating of MCB - B series and giving connections				0	3	3	2,671.35	E		2,671.35	
ripple pole MCBs											



Original Estimate			Revised Estimate			
SL NO	Description	Quantity	Rate	Already executed	To be executed	TOTAL Quantity
7	Supply and fitting sub-heads of estimates and items of works shape bulk head fitting with porcelain holder and meshguard with front clear glass and 14w CF lamp, to wall including giving connections using 16/0.20 mm pvc insulated and sheathed 3core wire.		364.18 / E	0	3	3
8	Supply and fitting 63A 415V HRC type porcelain fuse unit in the existing fuse box and giving connections.		236.24 / E	0	3	3
9	Supply and laying and clamping of 40mm dia 'B' class GI pipe on surface of wall / parapet etc. As protective covering to earth lead / cable / as service pipe etc.		276.77 / E	0	6	6
10	Supply and fitting 40mm dia GI Pipe as Service pipe		839.42 / E	0	1	1
11	Supply and fitting GI bracket bend in proper shape for fixing 70/72 W LED (or nearest available wattage) lamp street light fitting made of 40mm dia GI pipe. 1.00 mtr length with clamps bolts and nuts etc. complete.		334.92 / E	0	1	1
12	Supply and fitting 40mm dia GI bracket		9677.00 / E	0	1	1
13	Fitting charges of LED street fittings 40/45/70/72/110W on the existing GI bracket fitted with the electric post laying necessary lead wires and giving proper connections.					
14	Supplying of 70/72 LED street light luminaire with epoxy powder coated pressure die-cast aluminium housing with heat resistant toughened clear glass fixed with SS screws. Manufacturer name engraved / embossing in housing to allow traceability till life of fixture (stickering and printing is not acceptable) with operating voltage range (140 - 270V AC). The luminaire shall be minimum IP66 protected. LED driver has protection against over voltage and short circuit with LED driver efficiency should be greater than 85% with CRI greater than 75 and with colour temperature 5700K range. minimum 3KV surge protection in driver, LED having 50,000 burning hours with minimum 70% lumen maintenance and power factor 0.90 with THD less than 10%. System consumption should be 70/72 = 5W with lumen package of 100 lumens / watt. (Osram / Philips / Bajaj or equivalent make with three year minimum warranty).					
	Contingency		9041.07			1488
	Total		4990000.00			5612007.16
			5612007.16			5612007.16
			-622007.16			-622007.16

ASSISTANT EXECUTIVE ENGINEER
 EAST ZONAL OFFICE
 CORPORATION OF COCHIN
 KOTTITTA, COCHIN - 19

SABU KUMAR P. J
 ASSISTANT ENGINEER
 L.S.G.D. CORPORATION OF COCHIN
 LSOD

1253007-16
 1253807-38-1875814.54 = 622007.16
 5557115-16 = 4990000
 1253007-16 = 622007.16
 1876931.38
 55567199.16 = 622007.16

1253007-16
 1253807-38-1875814.54 = 622007.16
 5557115-16 = 4990000
 1253007-16 = 622007.16

Appendix 2100F

Proforma to Accompany Recommendation for Extension of Time of Completion (As per para 2212)

Name of work with estimate amount	MOA12/KRE1/3118/2015 Construction of Classroom Building at Govt. LPS Vennala in div. 46 of Kochi Municipal Corporation
Agreement number and date	1164/16-17 Dtd. 09/03/2017
Name of contractor	JAIMON JAMES
Date of commencement as per agreement	31/05/2017
Date of completion as per agreement	30/06/2017 intime work completed., but Revised Administrative sanction allowed on 29/10/2019
) 1st extension	NIL
) 2nd extension	NIL
Date upto which extension is now applied for	Upto 29/10/2019
Whether ground for extension applied is ult by the contractor. If not, specify the grounds on which extension is applied	Delay due to getting Revised Administrative Sanction.
Present stage of work with percentage of progress so achieved	100% completed
Whether fine has been realised for previous extension. If so furnish details	NIL
Period of extension now recommended	Upto 29/10/2019
Time proposed	Nil
Recommendations	May be Granted

Assistant Engineer

Assistant Executive Engineer

Superintending Engineer

SABU KUMAR P. R.
ASSISTANT ENGINEER
L.S.G.D.

KOCHI MUNICIPAL CORPORATION

ASSISTANT EXECUTIVE ENGINEER

EAST ZONAL OFFICE

CORPORATION OF COCHIN

VYTILA, COCHIN - 10

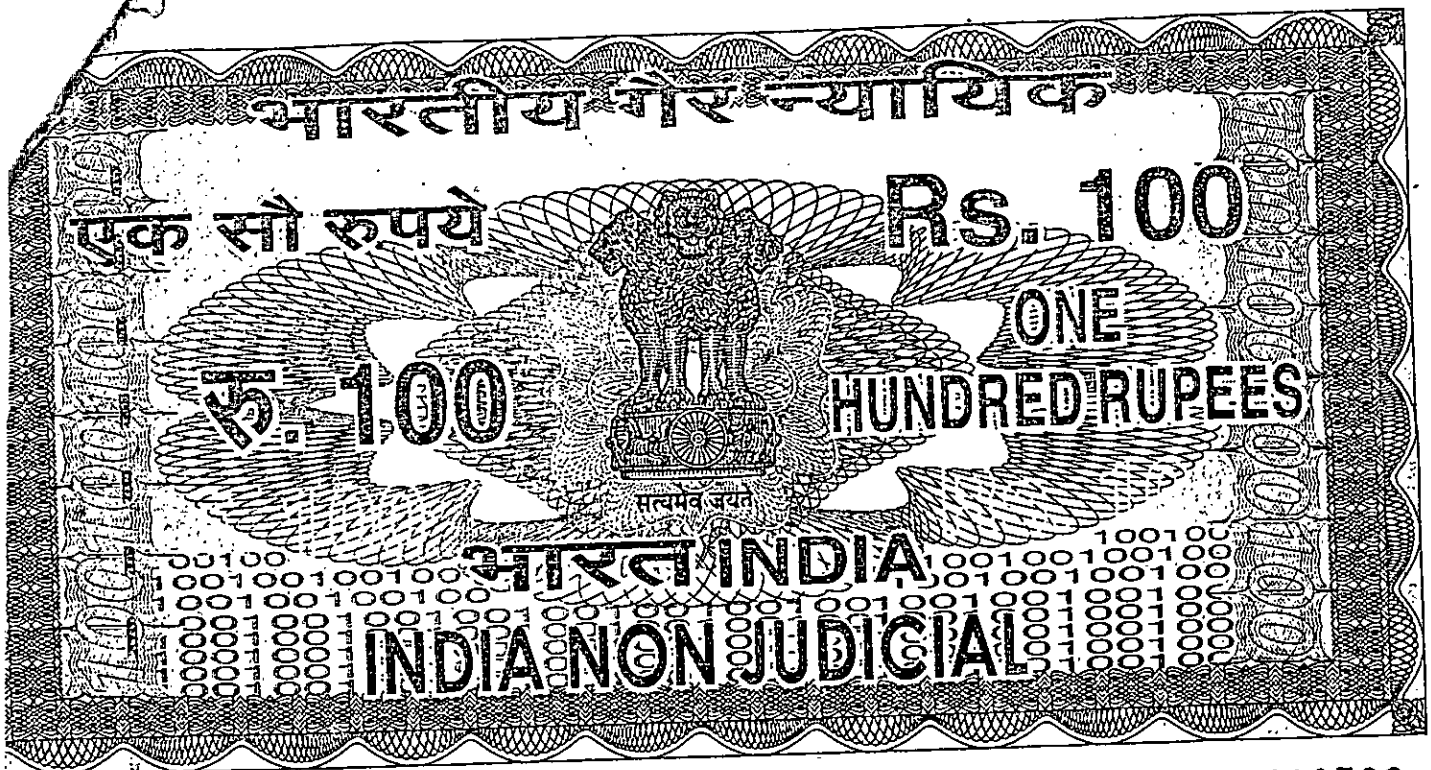
SUPERINTENDING ENGINEER

L.S.G.D.

MUNICIPAL CORPORATION OF COCHIN

DEPOT

11/11



३००६० केरल KERALA

CG 618392

SUPPLEMENTARY AGREEMENT

Supplementary Agreement No. 1164/16-170 Main Agreement No. 1164/16-17
dated 29/04/2020 dated 9/2/2017

AGREEMENT made this 29th day of April 2020
between Sri. JAIMON JAMES, Contractor, Corporation of Cochin, Ernakulam represented by
the Additional Secretary Sri. Rakesh Kumar (hereinafter called the
Corporation) of the other part.

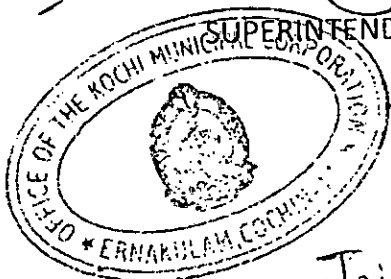
WHEREAS the contractor has agreed with the Corporation to execute and complete
the work described in the schedule herewith attached at the prices in such schedule
mentioned and in conformity with the specification in such schedule on or before

CONTRACTOR

SUPERINTENDING ENGINEER

ADDITIONAL SECRETARY

(cond....2)



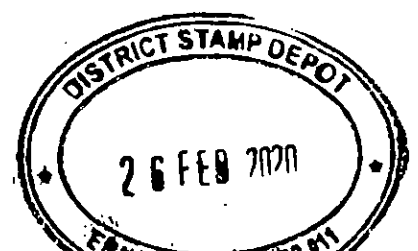
Jaimon James

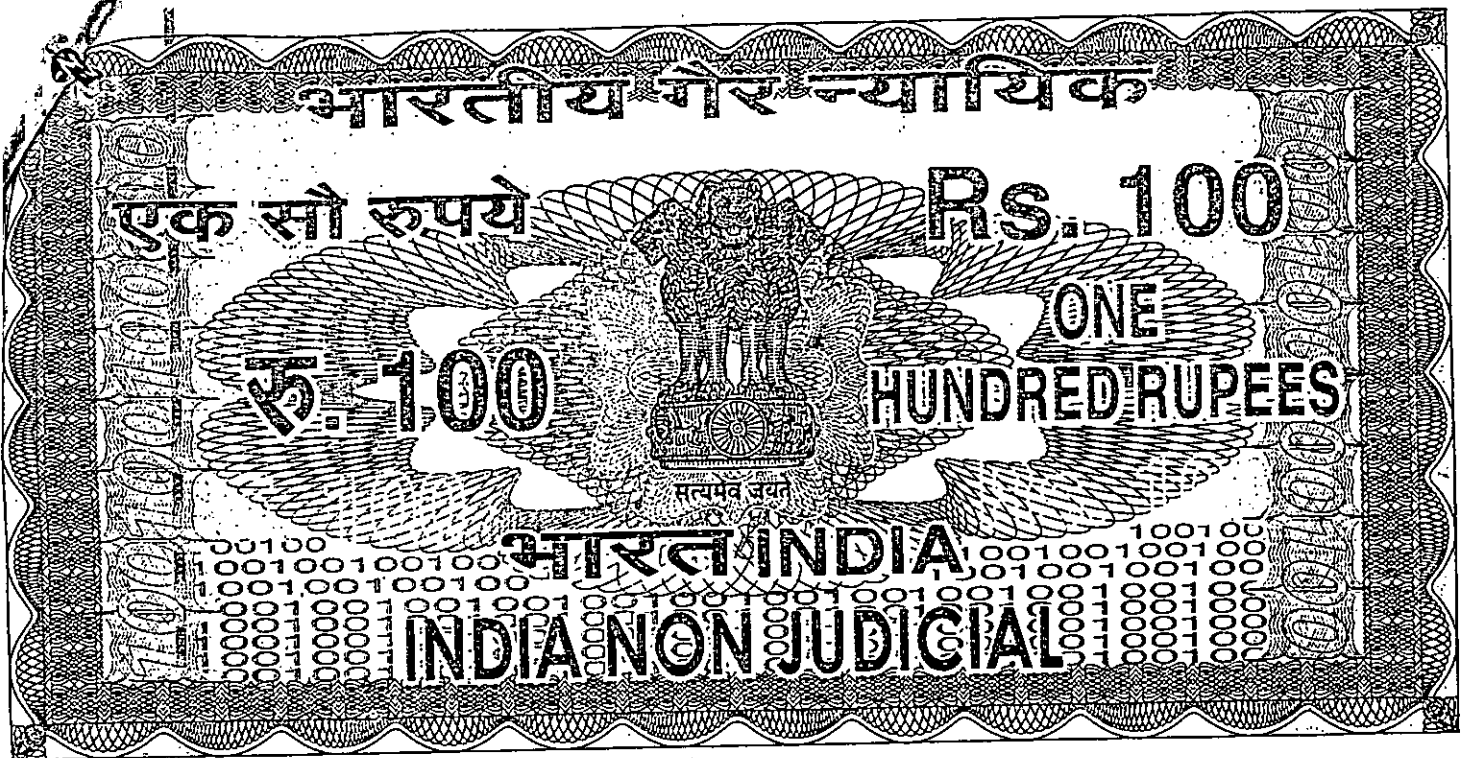
No-70685

20/03/2020

Uthila

K. M. PHILOMINA
E.S.R.O. VENDOR



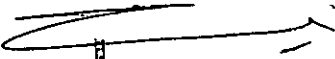


കേരളം കേരल KERALA

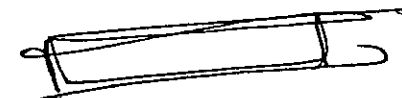
CG 618393

-2-

NOW these present witness that for carrying said agreement into execution the contractor on the one part and the Additional Secretary of the other part do hereby mutually contract and agree as follows that is to say:


CONTRACTOR


SUPERINTENDING ENGINEER


ADDITIONAL SECRETARY

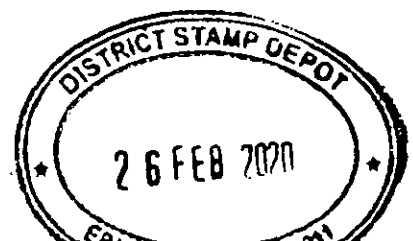

K. M. PHILOMINA
VENDOR

No-70686

20/03/2020

Taimon James

Uthila



Name of Work : Construction of Class Room Building at Govt. LP School, Vennala in Div - 46

Data as per CPWD		DSR 2014			Cost Index -1.4476	
Description of Work		Quantity	Rate	Unit	Amount	Total Amount
Appendix A (Civil works)						
2.8.1 Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.		167.275	227.99	m ³	38,137.03	38,137.00
4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering -All work upto plinth level:1:4:8 (1 Cement:4 coarse sand: 8 graded stone aggregate 40mm nominal size)		39.068	6226.34	m ³	243,250.65	243,251.00
7.1.1 Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with :Cement mortar 1:6 (1 cement:6 coarse sand)		70.95	5671.84	m ³	402,405.70 402417.05	402,406.00 402417
OD Cement solid block masonry with cm 1:6 using best quality block of size 40x20x15 cm including cost and conveyance etc. complete.		79.53	5976.03	m ³	475,273.67	475,274.00
5.9 Centering and shuttering including strutting, propping etc. and removal of form for:						
5.9.1 Foundations, footings, bases of columns, etc. for mass concrete		30.72	284.38	m ²	8,736.15	8,736.00
5.9.3 Suspended floors, roofs, landings, balconies and access platform		238.87	581.42	m ²	138,883.80	138,884.00
5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers		333.95	480.82	m ²	160,569.84	160,570.00
5.9.6 Columns, Pillars, Piers, Abutments, Posts and Struts		179.54	656.26	m ²	117,824.92	117,825.00
5.9.7 Stairs, (excluding landings) except spiral staircases		19.45	572.74	m ²	11,139.79	11,140.00
5.9.16.1 Edges of slabs and breaks in floors and walls Under 200 cm wide		16.28	168.50	m ²	2,743.52	2,744.00
5.9.19 Weather shade, Chajjas, corbels etc., including edges		50.12	712.72	m ²	35,721.53	35,722.00
5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level: 1:1.5:3 (1 cement:1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)		34.050	9018.83	m ³	307,091.16	307,091.00
5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string course, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement. 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)		8.47	10240.75	m ³	86,739.15	86,739.00
5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).		not done		m ³		
5.2.2.6 Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut.		9895.00	98.58	kg	975,449.10	975,449.00
7 13.1.1 Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick		1496.00	236.46	m ²	353,744.16	353,744.00
8 13.16.1 Plastering with cement mortar 1:3(1 cement:3 fine sand), 6mm thick including a neat cement flushing coat		673.43	194.99	m ²	131,312.12	131,312.00
9 11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.		346	1136.94	m ²	393,381.24	393,381.00
Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge		26.00	1211.13	m ²	31,489.38	31,489.00

3	13.47.1 Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Exterior New work (Two or more coats applied @ 1.43 ltr/10sqm. Over and including base coat of water proofing cement paint applied @2.20 kg/10sqm).	1764.00				
4	50.9.1.1 Providing wood work in frames of doors & windows clear story windows and another frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fasteneshall be paid for separately) using Anjily/Jack wood	1.231	88659.42			
5	50.9.3.1 Providing & fixing paneled or paneled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright fin ished of required size with n ecessary screws excluding paneling which will be paid for separately as for separately all complete as per direction of engineering in charge using Angili/Jack wood.	13.574	2329.98	m ²		
6	5.9.4.1 Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clestory windows (area of opening for p anel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Anjily/Jack wood	6.732	2017.77	m ²	13583.63	
7	9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x 15 cm 1:3:6 mix (1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size).	100.00	169.87	E	16,987.00	
8	10.25.2 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	483.68	130.42	kg	63,081.55	63,082.00
9	13.48.2 Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications Painting wood work with Deluxe Multi Surface paint of required shade. Two or more coat applied @ 0.90 1 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand and manufacture	163.72	127.67	m ²	20,902.13	20,902.00
10	9.63.2 Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm	12.00	84.90	E	1,018.80	1,019.00
11	9.65.1 Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:5930 with screws etc. complete: 300x20x6 mm	6.00	100.75	E	604.50	605.00
12	15.2.1 Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	2.274	1292.27	m ³	2,938.62	2,939.00
13	15.2.2 Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	16.06	796.90	m ³	12,798.21	12,798.00
14	15.12 Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead	15.00	204.47	E	3,067.05	3,067.00
15	15.14.2 Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres	1169.00	9.91	m	11,584.79	11,585.00
16	15.31 Dismantling tiled roofing with bettens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	248.00	111.97	m ²	27,768.56	27,769.00
17	15.7.4 Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in cement mortar	47.89	1091.63	m ³	52,278.16	52,278.00
18	13.50.1 Applying priming coat: with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	79.929	47.69	m ²	3,811.81	3,812.00

supply and wiring points as per IS 732 -1989 in medium gauge pvc conduit 20mm with specials ,using 1.0sq mm pvc insulated stranded single core copper wire 650/1100 V , with 2.03 continuous copper earth wire ,clamping using metal saddles spacing not to exceed 50cm suitable size metal switch boxes with upto and including 6A modular type SP switch and plates, 6A 3 plate ceiling rose;copper wire of the specification and size of 1.5 sq mm should be used in 2 runs as circuit to switch board.(All the materials should have departmental approval.).

Ceiling rose point	30 ✓	800.05	Each	24,001.50	24,002.00
Point without ceiling rose	6 ✓	781.65	Each	4,689.90	4,690.00
Combined Plug point	11 ✓	479.57	Each	5,275.27	5,275.00
Ceiling fan point with Stepped Regulator socket size	20 ✓	1291.35	Each	25,827.00	25,827.00
Supply and providing medium gauge PVC conduit confirming to IS 9537/83 part III with suitable size specials such as slip in type couplers and bends, fixing the conduit using metal saddles spacing not exceeding 50cms including making good the damages etc. as 20mm pvc pipe.	85 ✓	63.27	Metre	5,377.95	5,378.00
Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 1.5 sq mm confirming to IS 694/1990 through the exsisting conduit and giving connections etc, 1.5 sq mm 3 runs	80 ✓	72.95	Metre	5,836.00	5,836.00
Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 2.5 sq mm confirming to IS 694/1990 through the exsisting conduit and giving connections etc, 2.5 sq mm 2 runs	6 ✓	76.41	Metre	458.46	458.00
Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 4.0sq mm confirming to IS 694/1990 through the exsisting conduit and giving connections etc, 4.0 sq mm 4 runs	5 ✓	180.68	Metre	903.40	903.00
Supply and drawing bare copper conductor along with wiring /cables/through pipe etc. as required 100 mm	130 ✓	26.68	Metre	3,468.40	3,468.00
Supplying heavy duty PVC/ XLPE insulated pvc sheathed armoured power cable with Aluminium conductor for working voltages upto and including 1100 V , 10 core 10 sqmm size	65 ✓	126590.85	1000 M	8,228.41	8,228.00
Laying charges of UG cable upto 25 sq mm size through the wall,by clamping the cable using proper saddles ,screws etc.complete required.	65 ✓	54.29	Metre	3,528.85	3,529.00
Supply and providing cable gland suitable 10 Sq mm armoured aluminium cable gland making end termination	4 ✓	275.20	Each	1,100.80	1,101.00
Supply and fixing of Cover frame & Grid frame for modular switches and accessories, surface box with front plate and making good the surface of the wall, colour washing etc. Module surface box with front plate	5 ✓	221.17	Each	1,105.85	1,106.00
Module surface box with front plate	1 ✓	237.12	Each	237.12	237.00
Module surface box with front plate	5 ✓	299.22	Each	1,496.10	1,496.00
Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A) A SP 1 way switch	10 ✓	132.64	Each	1,326.40	1,326.00
A2M 3pin plug	20 ✓	169.44	Each	3,388.80	3,389.00
6A SP one way switch	1 ✓	183.54	Each	183.54	184.00
16A Socket	1 ✓	247.94	Each	247.94	248.00
Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB ,isolator etc. including providing blanking plates in the blanking slots ,fixed on wall 8+12	1 ✓	3247.54	Each	3,247.54	3,248.00
Supply and fixing the following rating of MCB isolators and giving connections. 10A 4Pole	1 ✓	858.82	Each	858.82	859.00
Supply and fixing the following rating of MCB and giving connections. upto 32A SP MCB	12 ✓	203.72	Each	2,444.64	2,445.00
Supply and fitting following type and ratings of in the existing Distribution board					

	conductor flex					
65	Supply conveyance, installation, testing and commissioning the following types of light fittings made from CRCA sheet 0.5mm thickness with all accessories and lamps <i>directly on wall</i> and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant, high lumen tube.	26 ✓	1682.45 ✓	Each ✓	43,743	
66	Providing independent ordinary pipe earthing using 1.85 mtrs of 40 mm dia GI pipe, earth wire copper and other specials such as common salt, charcoal bolts and nuts etc. complete required at site.	3 ✓	1400.79 ✓	Each ✓	4,202.37	
67	Supply and fixing of the three phase meter chamber 300x450x170mm size, directly on wall using proper bolts, nuts etc. and making good the surface of wall	1 ✓	3096.04 ✓	Each ✓	3,096.04	
68	Supply and fitting 32A 415V 50HZ LT TPN heavy duty switch disconnecter fuse unit in sheet steel enclosure on angle iron frame work and giving connections.	1 ✓	4136.49 ✓	Each ✓	4,136.49	4,136.49
69	Supply and fitting 32A 415V kitkat type fuse unit in the existing fuse box and giving connections	nil				
70	Amount to be remitted in KSEB					10,000.00
	Extra Items					
1	5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1½:3 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	58.370 ✓	10542.11 ✓	m³ ✓	615,342.96	615,343.00
2	9.41 Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Float glass panes	28.019 ✓	3120.44 ✓ 3162.52	m² ✓	87431.61 ✓ 88,610.65	87432 ✓ 88,611.00
3	50.18.9.7.2 Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement & testing of joints including fittings complete as per direction of Engineer in Charge. 63 mm dia 4Kgf/cm²	58.450 ✓	144.33 ✓	m ✓	8,436.09	8,436.00
	Extra Items					
4	Supply and installation of double cover enclosure of vertical MCB DB 4way(8+12) with provision for fixing MCCB/MCB/Four Pole Isolator as incomer for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for TP/SP MCB as out goings Three phase VDB	1 ✓	7594.89 ✓	Each ✓	7,594.89	7,595.00
5	Supply and fixing the following rating of MCB isolators and giving connections. 63A on Three phase DBs	1 ✓	904.82 ✓	Each ✓	904.82	905.00
6	Supply and fixing the following rating of MCB - B series and giving connections Tripple pole MCBs	3 ✓	890.45 ✓	Each ✓	2,671.35	2,671.00
7	Supply and fitting cast aluminium stove enamelled elliptical shape bulk head fitting with porcelain holder and meshguard with front clear glass and 14w CF lamp, to wall including giving connections using 16/0.20 mm pvc insulated and sheathed 3core wire. Bulkhead fitting	3 ✓	364.18 ✓	Each ✓	1,092.54	1,093.00
8	Supply and fitting 63A 415V HRC type porcelain fuse unit in the existing fuse box and giving connections. 63 A Fuse unit	3 ✓	256.24 ✓	Each ✓	768.72	769.00
9	Supply and laying and clamping of 40mm dia 'B' class GI pipe on surface of wall / parapet etc. As protective covering to earth lead / cable / as service pipe etc. 40mm dia GI Pipe as Service pipe	6 ✓	276.77 ✓	Metre ✓	1,660.62	1,661.00

ing of 70/72 LED street light luminaire with epoxy powder coated pressure st aluminium housing with heat resistant toughened clear glass fixed with SS s. Manufacturer name engraved / embossing in housing to allow traceability e of fixture (stickering and printing is not acceptable) with operating voltage (140 - 270V AC). The luminaire shall be minimum IP66 protected. LED has protection against over voltage and short circuit with LED driver ency shoud be grater than 85% with CRI greater than 75 and with colour rature 5700K range. minimum 3KV sutge protection in driver, LED having 0 burning hours with minimum 70% lumen maintenance and power factor with THD less than 10%. System consumption should be 70/72 = 5W with n package of 100 lumens / watt. (Osram / Philips / Bajaj or equavalent make three year minimum warranty)	1	9677.00	Each	9,677.00	9,677.00
ply and fitting GI bracket bend in proper shape for fixing 70/72 W LED (or est available wattage) lamp street light fitting made of 40mm dia GI pipe . 1.00 length with clamps bolts and nuts etc. complete. ply and fitting 40mm dia GI bracket	1	839.42	Each	839.42	839.00
ng charges of LED street fittings 40/45/70/72/110W on the existing GI bracket d with the electric post laying necessary lead wires and giving proper ections.	1	334.92	Each	334.92	335.00
Contingency					1,488,309.00
Total					5,612,000.00

he Contractor hereby agree to execute the above work at 5.329% below the estimate rates with references to
y and in strict conformity with the rules laid down in standred specification of the department to the entire
ction of the Corporation of Cochin on the deputies.

actor

Suprendeing Engineer

Additional Secretary

isses:-
K.I. Cero and ...
Faisal A.A.

Handwritten marks and initials.

Estimate Report

Name of work:--Construction of New classroom block for Govt. LP School, Vennala.

An Estimate has been prepared for the above work in accordance with the Administrative sanction ordered as per G.O.(Rt.) No. 2379/15/LSGD.

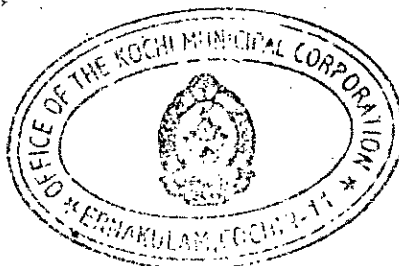
This Estimate for construction of the same as a pucca building by column footing, column, plinth beam and RCC roof slab in single floor with five class rooms and a stair room using items mainly 1). Earth work excavation, 2). PCC 1:4:8, 3). 1:1.5:3 column, beams, slab, stair etc., 4). Plastering in CM 1:4 12mm thick, 5). Painting with acrylic interior and exterior paint. etc. and electrification.

The estimate amount of work is Rs 4990000/- (Rupees Fortynine lakh ninty thousand only) according to DSR 2014 rates and a cost index of 44.76%.


Mahinkutty A
P.W.O II


P. H. REDOLF
Assistant Engineer (LSGD)
Corporation of Kochi
Phone: 2345678

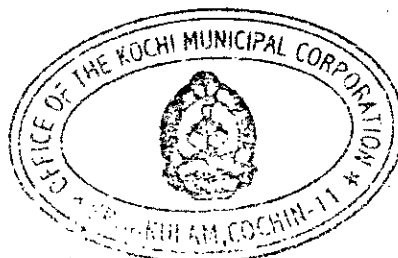

NIZAR A.
Asst. Executive Engineer
LSGD
Corporation of Cochin



DETAILED ESTIMATE

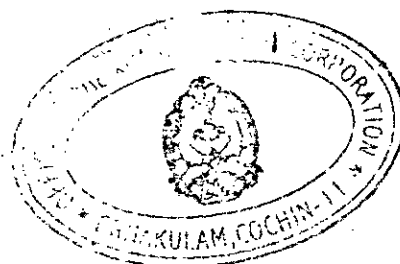
Name of work: - Construction of classroom building at Govt. LP school, Vennala in Divn.46

Data as per CPWD			Rate--DSR 2014			Cost index-1.3905		
Sl. no	Item No.	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
1	2.8.1	Earth work excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.						
		for column footing	36	1.20	1.20	1.10	57.02	
		intermediate walls	26	2.00	0.70	0.50	18.20	
		steps	1	18.00	0.70	0.50	6.30	
			1	8.40	0.70	0.50	2.94	
			2	0.90	0.70	0.50	0.63	
							85.09	85.50m3
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :						
	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)						
		for column footing	36	1.20	1.20	0.10	5.18	
		intermediate walls	26	2.00	0.80	0.10	4.16	
		steps	1	18.00	0.70	0.10	1.26	
			1	8.40	0.70	0.10	0.59	
			2	0.90	0.70	0.10	0.13	
		flooring room	5	6.20	6.20	0.075	14.42	
			1	6.20	3.00	0.075	1.40	
		verandha	1	19.20	1.60	0.075	2.30	
			1	8.40	1.60	0.075	1.01	
							30.44	30.50m3
3	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :						
	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)						



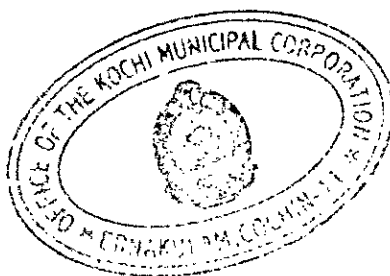
		foundation in between columns under plinth beam							
		intermediate walls	32	2.00	0.60	0.50	19.20		
		basement	26	2.10	0.45	0.40	9.83		
		steps	1	17.40	0.50	0.50	4.35		
			1	7.80	0.50	0.500	1.95		
			2	0.90	0.50	0.500	0.45		
							35.78	36.00m3	
4	OD	Cement solid block masonry with c.m. 1:6 using best quality block of size 40 x 20 x 15 cm including cost and conveyance etc. complete							
		wall GF	26	2.00	0.20	3.50	36.40		
		FF	6	2.00	0.20	3.50	8.40		
		edging for roof slab	1	26.40	0.15	0.65	2.57		
			1	18.00	0.15	0.65	1.76		
			1	16.30	0.15	0.65	1.59		
			2	8.40	0.15	0.65	1.64		
			2	9.10	0.15	0.65	1.77		
		verandha	1	17.40	0.15	0.75	1.96		
			1	7.80	0.15	0.75	0.88		
			2	1.50	0.15	0.75	0.34		
		steps	1	17.40	0.60	0.15	1.57		
			1	17.40	0.30	0.15	0.78		
			1	7.80	0.60	0.15	0.70		
			1	7.80	0.30	0.15	0.35		
		FF	2	7.20	0.15	0.45	0.97		
			2	4.00	0.15	0.45	0.54		
							62.22		
		Deductions Door	6	1.10	0.20	2.100	2.77		
		W	23	1.10	0.20	1.450	7.34		
		total deduction					10.11		
		Less deduction					52.11	52.50m3	
5	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :							
a	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete							
		for column footing	36	4.40		0.200	31.68	32.00m2	
	5.9.3	Suspended floors, roofs, landings, balconies and access platform							
		roof slab	1	26.40		9.000	237.60		
			1	8.40		9.000	75.60		
		FF	1	7.20		4.000	28.80		
		landing	2	3.00		1.200	7.20		
							349.20	350.00m2	
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers							
		Lintel in between columns 2 sides	41	2.00		0.50	41.00		
		FF	2	5.90		0.50	5.90		
			2	3.00		0.50	3.00		

		Plinth beam	2	25.80		1.00	51.60	
			2	8.40		1.00	16.80	
			1	15.70		1.00	15.70	
			1	9.60		1.00	9.60	
		verandha	2	8.40		1.00	16.80	
			1	17.40		1.00	17.40	
		roof beams	1	7.80		1.00	7.80	
			1	25.80		1.00	25.80	
			1	15.70		1.00	15.70	
			1	9.60		1.00	9.60	
			1	19.20		1.00	19.20	
		FF	7	6.20		1.00	43.40	
			2	6.60		1.00	13.20	
			2	6.20		1.00	12.40	
							324.90	325.00m2
d	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts						
		columns	36	1.00		3.600	129.60	
		FF	6	1.00		3.100	18.60	
							148.20	149.00m2
e	5.9.7	Stairs, (excluding landings) except spiral-staircases						
		stair	2	3.80		1.200	9.12	
		edges	2	3.80		0.150	1.14	
		end of steps	24	0.15		0.150	0.54	
							10.80	11.00m2
f	5.9.16.1	Edges of slabs and breaks in floors and walls Under 20 cm wide						
		roof slab	1	26.40			26.40	
			1	16.30			16.30	
			1	17.40			17.40	
			2	7.80			15.60	
		FF	2	7.20			14.40	
			1	4.00			4.00	
		sunshade	1	28.00			28.00	
			1	16.90			16.90	
			2	8.40			16.80	
		verandha	1	18.00			18.00	
			1	8.40			8.40	
							182.20	183.00m
g	5.9.19	Weather shade, Chajjas, corbels etc., including edges						
		sunshade	1	28.00		0.60	16.80	
			1	16.90		0.60	10.14	
			2	6.60		0.60	7.92	
		verandha	1	18.00		0.60	10.80	
			1	8.40		0.60	5.04	
							50.70	50.70m2



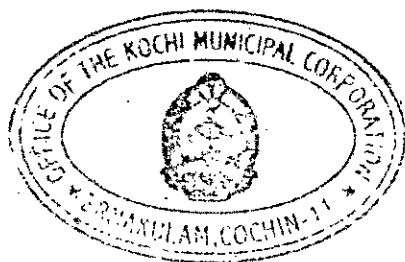
6	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :						
	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)						
		for footing	36	1.10	1.10	0.200	8.71	
			36	$((1.1 \times 1.1) + (0.30 + 0.20)) / 2$		0.300	27.43	
		portion of column below ground	36	0.30	0.20	0.500	1.08	
		Plinth beam	36	2.00	0.20	0.400	5.76	
			3	6.20	0.20	0.400	1.49	
							44.47	44.50m3
7	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :						
	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)						
		column	36	0.30	0.20	3.100	6.70	
			6	0.30	0.20	3.100	1.12	
							7.81	8.00m3
8	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).						
		Lintel	64	2.00	0.20	0.15	3.84	
		FF	2	5.90	0.20	0.15	0.35	
			2	3.00	0.20	0.15	0.18	
		roof slab	1	26.40	9.10	0.12	28.83	
			1	9.90	9.10	0.12	10.81	
		FF	1	7.20	4.00	0.12	3.46	
		landing	2	3.00	1.20	0.12	0.86	
		sunshade	1	28.00	0.60	0.08	1.26	
			1	16.90	0.60	0.08	0.76	
			2	6.60	0.60	0.08	0.59	
		verandha	1	18.00	0.60	0.08	0.81	
			1	8.40	0.60	0.08	0.38	
		flight slab	2	3.30	1.20	0.15	1.19	
		steps	24	1.20	0.15	0.15	0.65	
		roof beams	1	25.80	0.20	0.40	2.06	
			1	15.70	0.20	0.40	1.26	
			1	9.60	0.20	0.40	0.77	

			1	19.20	0.20	0.40	1.54	
			7	6.20	0.20	0.40	3.47	
		FF	2	6.60	0.20	0.40	1.06	
			2	6.20	0.20	0.40	0.99	
							65.12	65.20m3
9	5.2.2.6	Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut						
			1	117.40	405.00 ¹¹² 112	kg/m3	12327.01 ¹¹² 12327.01	13290 ¹⁸¹⁵⁰
10	13.1.1	Plastering with cement mortar 1:4(1 cement:4 fine sand) ,12mm thick						42330kg ¹³²²⁰
		wall out side	1	25.80		3.90	100.62	
			1	15.70		3.90	61.23	
			2	6.60		3.90	51.48	
			1	8.40		3.90	32.76	
			1	18.00		3.90	70.20	
		inside	5	24.80		3.50	434.00	
			1	18.40		3.50	64.40	
		verandha	2	17.40		0.75	26.10	
			2	7.80		0.75	11.70	
			4	1.50		0.75	4.50	
		steps	1	17.40		1.05	18.27	
			1	7.80		1.05	8.19	
		FF	2	6.60		3.50	46.20	
			2	3.40		3.50	23.80	
							953.45	
		Deduction door	6	1.10		2.100	13.86	
		window	23	1.10		1.450	36.69	
							50.55	
		Less deduction					902.91	903.00m2
11	13.16.1	Plastering with cement mortar 1:3(1 cement:3 fine sand) ,6mm thick including a neat cement flushing coat						
		for roof bottom	5	6.20	6.20		192.20	
		sides	1	6.20	3.00		18.60	
		verandha	1	19.20	1.32		25.34	
			1	8.40	1.32		11.09	
		froof projection	1	26.40	0.42		11.09	
			1	8.40	0.42		3.53	
			2	9.00	0.42		7.56	
		stair	2	3.30	1.20		7.92	
			2	3.00	1.20		7.20	
			24	0.15	0.15		0.54	
		column	41	1.00	4.00		164.00	
							449.07	450.00m2



12	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.							
		verandha floor	1	19.20			2.10	40.32	
			1	7.80			2.10	16.38	
								56.70	57.00m2
13	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.							
		column	10	1.00			2.10	21.00	
								21.00	21.00m2
14	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m							
		class rooms	5	6.20	6.20	0.425		81.69	
			1	6.20	3.00	0.425		7.91	
		verandha	1	19.20	0.90	0.425		7.34	
			1	8.40	0.90	0.425		3.21	
15	13.43	Applying one coat of cement primer of approved brand and manufacture on wall surface						100.15	100.50m3
	13.43.1	Cement primer.							
		wall out side	1	25.80			3.90	100.62	
			1	15.70			3.90	61.23	
			2	6.60			3.90	51.48	
			1	8.40			3.90	32.76	
			1	18.00			3.90	70.20	
		inside	5	24.80			3.50	434.00	
			1	18.40			3.50	64.40	
		verandha	2	17.40			0.75	26.10	

		2	7.80		0.75	11.70	
		4	1.50		0.75	4.50	
		FF 2	6.60		3.50	46.20	
		2	3.40		3.50	23.80	
	for roof bottom	5	6.20		6.20	192.20	
	sides	1	6.20		3.00	18.60	
	verandha	1	19.20		1.32	25.34	
		1	8.40		1.32	11.09	
	froof projection	1	26.40		0.42	11.09	
		1	8.40		0.42	3.53	
		2	9.00		0.42	7.56	
	stair	2	3.30		1.20	7.92	
		2	3.00		1.20	7.20	
		24	0.15		0.15	0.54	
	column	41	1.00	4.00		164.00	
						1376.06	
	Deduction door	6	1.10		2.100	13.86	
	window	23	1.10		1.450	36.69	
						50.55	
	Less deduction					1325.51	1326.00m2
16	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Exterior					
	13.47.1	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sqm).					
		wall out side	1	25.80	3.90	100.62	
			1	15.70	3.90	61.23	
			2	6.60	3.90	51.48	
			1	8.40	3.90	32.76	
			1	18.00	3.90	70.20	
		inside	5	24.80	3.50	434.00	
			1	18.40	3.50	64.40	
		verandha	2	17.40	0.75	26.10	
			2	7.80	0.75	11.70	
			4	1.50	0.75	4.50	
		FF	2	6.60	3.50	46.20	
			2	3.40	3.50	23.80	
		for roof bottom	5	6.20	6.20	192.20	
		sides	1	6.20	3.00	18.60	
		verandha	1	19.20	1.32	25.34	
			1	8.40	1.32	11.09	
		froof projection	1	26.40	0.42	11.09	
			1	8.40	0.42	3.53	
			2	9.00	0.42	7.56	
	stair	2	3.30		1.20	7.92	
		2	3.00		1.20	7.20	
		24	0.15		0.15	0.54	
	column	41	1.00	4.00		164.00	
						1376.06	



		Deduction door	6	1.10		2.100	
		window	23	1.10		1.450	
						50.55	
		Less deduction				1325.51	
17	50.9.1.1	Providing wood work in frames of doors & windows clear story windows and a thother frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fastenens shall be paid for seperately) using Anjily / Jack wood					
		doors	12	0.10	0.07	2.10	0.18
			6	0.10	0.07	1.10	0.05
		window	46	1.10	0.10	0.07	0.35
			69	0.10	0.07	1.26	0.61
						1.19	1.20m ²
18	50.9.3.1	Providing & fixing panelled or panelléd and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright finished of required size with necessary screws excluding panelling which will be paid for seperately as for seperately all complete as per direction of engineering in charge using Angili / Jack wood.					
		doors	6	0.96		2.03	11.69
		window	46	0.47		1.26	27.24
						38.93	39.00m ²
19	5.9.4.1	Providing & fixing panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for panelled and glazed shutters 25mm - 40mm thick using good quality Anjily / Jack wood					
		door	24	0.76		0.40	7.30
		windows	92	0.30		0.50	13.80
						21.10	21.10m ²

Providing 40x5 mm flat iron long including fixing to frame diameter bolts, nuts and wood embedding in cement concrete 30x10x15cm 1:3:6 mix (1 cm sand: 6 graded stone aggregate nominal size)

[illegible]

A. V. ...

Name of work - Cons

b	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	floor	5	6.00	6.00	0.075	13.50	
			verandha	1	28.40	1.20	0.075	2.56	
								16.06	16.10m ³
26	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead							
		doors damaged and not reusable		5				5.00	
		windows		10				10.00	
								15.00	15 nos
27	15.14.2	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead. Of sectional area below 40 square centimetres							
		rafters		30	4.00			120.00	
		ridge		8	4.00			32.00	
				1	15.00			15.00	
				1	6.40			6.40	
		hip		6	5.00			30.00	
		purlin		34	22.00			748.00	
				34	6.40			217.60	
								1169.00	1169.00m ²
28	15.31	Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.							
		roof		1	(25+15)/2		5.00	100.00	
				1	15		5.00	75.00	
				1	(6.4+10)/2		5.00	41.00	
				1	6.4		5.00	32.00	
								248.00	248.00m ²
29	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar wall							
				2	22.00	0.23	3.00	30.36	
				2	6.40	0.23	3.00	8.83	
				1	12.60	0.23	3.00	8.69	
								47.89	48.00m ³
30	13.50.1	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)							
		door		6	1.10	2.10	2.25	31.19	
		windows		23	1.10	1.40	2.25	79.70	
								110.88	111.00m ²

Mahinkutty A
PWO II

P. H. REDOLF
Assistant Engineer (LSGD)
on of Kochi
2308502

WIZAR A.
Asst. Executive Engineer
LSGD

ABSTRACT OF ESTIMATE

Name of work - Construction of classroom building at Govt. LP school, Vennala in Divn.46

Data as per CPWD

Rate--DSR 2014

Cost index-1.4476

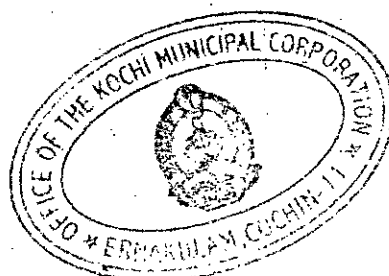
Appendix--A (Civil)

Item no.	Description of Work	Quantity	Rate	Unit	Amount	Total Amount
2.8.1	Earth work excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	85.50	227.99	m3	19493.15	19493
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :					
4.1.8	1:4.8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	30.50	6226.34	1m3	189903.37	189903
7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :					
7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	36.00	5671.84	1m3	204186.24	204186
7.1.2	Cement solid block masonry with c.m. 1:6 using best quality block of size 40 x 20 x 15 cm including cost and conveyance etc. complete	52.50	5976.03	1m3	313741.58	313742
7.1.3	Centering and shuttering including strutting, propping etc. and removal of form for :					
7.1.3.1	Foundations, footings, bases of columns, etc. for mass concrete	32.00	284.38	1m2	9100.16	9100
7.1.3.2	Suspended floors, roofs, landings, balconies and access platform	350.00	581.42	1m2	203497.00	203497
7.1.3.3	Lintels, beams, plinth beams, girders, bressumers and cantilevers	325.00	480.82	1m2	156266.50	156267
7.1.3.4	Columns, Pillars, Piers, Abutments, Posts and Struts	149.00	656.26	1m2	97782.74	97783



e	5.9.7	Stairs (excluding landings) except spiral-staircases	11.00	572.74			
f	5.9.16.1	Edges of slabs and breaks in floors and walls Under 20 cm wide	183.00	168.5	1m2		
g	5.9.19	Weather shade, Chajjas, corbels etc., including edges	50.70	712.72	1m2		
6	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	44.50	9018.83	m3	401337.94	
7	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillers, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	8.00	10240.75	m3	81926.00	81926
8	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	65.20	9812.12	1m3	639750.22	639750
9	5.22.6	Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut	13385 12330.00	98.58	kg	1215491.40	129432; 1319492 1215491
10	13.1.1	Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick	903.00	236.46	m2	213523.38	213523
11	13.16	Plastering with cement mortar 1:3(1 cement:3 fine sand), 6mm. thick including a neat cement flushing coat	450.00	194.99	m2	87745.50	87746
12	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red, Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	57.00	1136.94	1m2	64805.58	64805

13	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	21.00	1211.13 ✓	1m2	25433.73	25434
14	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m (use departmental earth)	100.50	162.71 ✓	1m3	16352.36	16352
15	13.43	Applying one coat of cement primer of approved brand and manufacture on wall surface : Exterior		✓			
	13.43.1	Cement primer.	1326.00	51.89	1m2	68806.14	68806
16	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade		✓			
	13.47.1	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	1326.00	137.44	1m2	182245.44	182245
17	50.9.1.1	Providing wood work in frames of doors & windows, clear story windows and other frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fasteners shall be paid for separately) using Anjily / Jack wood	1.20	88659.72 ✓ 91680.45	1m3	140046.54	106392 110017



18	50.9.3.1	Providing & fixing panelled or panelled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright finished of required size with necessary screws excluding panelling which will be paid for separately as for separately all complete as per direction of engineering in charge using Angili / Jack wood.	39.00	2329.98 ✓ (4964.46)	1m3	193643.94	90869 193614
19	5.9.4.1	Providing & fixing panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for panelled and glazed shutters 25mm - 40mm thick using good quality Anjily / Jack wood	21.10	2017.77 ✓ (2068.08)	1m2	43636.49	4222r 43636
20	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	128.00	169.87 X	E	21743.36	21743
21	10.25	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					
	10.25.2	In grangings, frames, guard bar, ladder, railings, brackets, gates and similar works	370.00	130.42 X	kg	48255.40	48255
22	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications					
	13.48.2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand and manufacture	111.00	127.67 X	m2	14171.37	14171

23	9.63.2	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :200x10 mm	12.00	84.90	E	1018.80	1019
24	9.65.1	Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete :300x20x6 mm	6.00	100.75	E	604.50	605
25	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.					
a	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	2.30	1292.27	m3	2972.22	2972
b	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	16.10	796.9	m3	12830.09	12830
26	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowli hats, architrave, holdfasts etc. complete and stacking within 50 metres lead :Of area 3 sq. metres and below	15.00	204.47	E	3067.05	3067
27	15.14.2	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead :Of sectional area below 40 square centimetres	1169.00	9.91	m'	11584.79	11585
28	15.31	Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	248.00	111.97	m2	27768.56	27769
29	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	48.00	1091.63	m3	52398.24	52398
0	13.50.1	Applying priming coat :With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	111.00	47.69	m2	5293.59	5294

APPENDIX-B (Electrification)

T.S. ACCORDED	
Rs. 49,90,000/-	Total
No. 19/16-17	dt. 19/11/16
Unforeseen items if any.	
Date 9/6/16	Signature
P.H. REDOLF	
Assistant Engineer (L.S.G.D.)	
Corporation of Kochi	
Ph: 0484-2303502	

Estimate attached

195000
475000

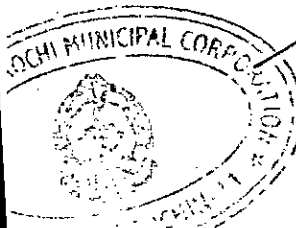
4782039

4985205
4988634

7961

4366422

4990000



P. H. REDOLF
Assistant Engineer (L.S.G.D.)
Corporation of Kochi
Ph: 0484-2303502

NIZAR A.
Asst. Engineer
L.S.G.D.
Corporation of Kochi

8/29

U/m



67
5.5
17/12/16

കൊച്ചി മുൻസിപ്പൽ കോർപ്പറേഷൻ

കൗൺസിൽ മീറ്റിങ്ങിനുള്ള

അജണ്ട

ഫയൽ നമ്പർ: KRE-3118/15

ബോർഡ് ഓഫ് - ബോർഡ് ചെയർമാൻ എ.പി. സുജിത് കുമാർ
കീഴ് വും നിർമ്മാണകമ്മിറ്റി, ബോർഡ് ബോണി ബോണിൻ ന.പ.എ.
പ്രാദേശിക വികസന പദ്ധതി കമ്മിറ്റി അംഗീകരിച്ച 49,00,000/-
അടയ്ക്കൽ വരുമ്പോൾ പദ്ധതിയിടയിൽ റീ-ഇ-ട്രാൻസ്ഫർ ചെയ്ത പദ്ധതി
സമർപ്പിക്കപ്പെട്ട 2. ട്രാൻസ്ഫർ ചെയ്ത നിരക്കായ 5.329% കമ്പോള
നിരക്ക് അനുയോജ്യമായി. മറ്റൊരു കാര്യം ചരി ജെ.എ.എ. ജെ.എ.എ.
സമർപ്പിക്കപ്പെട്ട ട്രാൻസ്ഫർ ചെയ്ത നിരക്കായ 5.329% കമ്പോള
നിരക്ക്; കൗൺസിലിലേക്ക് പാർശ്വ പദ്ധതി - 8-11-16-ന് പദ്ധതി
പദ്ധതിയിട കമ്പോള പദ്ധതിയിട കമ്പോള 73-ാം നമ്പർ ആയി നിർമ്മാണ
അനുയോജ്യമായി; ആയിട്ടുള്ള നിർമ്മാണത്തിൽ ട്രാൻസ്ഫർ ചെയ്ത
ട്രാൻസ്ഫർ ചെയ്ത നിർമ്മാണത്തിൽ നിർമ്മാണ പദ്ധതി കമ്പോള പദ്ധതി
പദ്ധതിയിട

സെക്രട്ടറി

വകുപ്പ് മേധാവി

സെക്രട്ടറി

മേയർ

ഫയൽ നമ്പർ: KRE-3118/15

67

തീയതി: 23.12.16

അംഗീകരിച്ചു





കൊച്ചി മുനിസിപ്പൽ കോർപ്പറേഷൻ

ഓഫീസ് കുറിപ്പ്

Verified the estimate. Estimate amount comes to
Rs. 49,90,000/- P.S. may be accorded.

9/6/16
LPP

T.S. may be accorded P

Rs. 49,90,000/-

T. S. ACCORDED	
For Rs. 49,90,000/-	
No. 19/16-17	
9/6/16	Corporation Engineer
Date	

9/6/16
LPP

നിർദ്ദേശാനുസരണം ഡയറർ ഓഫീസിൽ തയ്യാറാക്കി
KRE 100/16 ന് ചേർന്ന് 08/6/16 ന് ഡയറർ
നീക്കം ചെയ്ത് അംഗീകരിച്ചിട്ടുള്ളത് അറിയിക്കുന്നതിനായി
ഡയറർ തയ്യാറാക്കിയ verify ചെയ്യുന്നതിന് നദിക്ക്
അയക്കുന്നുവെന്നാണ്.

25-7-16

LPP

me Gp

Verified the tender schedule. May be signed



Signature

Signature

Signature

REVISED ABSTRACT OF ESTIMATE

ie of Work : Construction of Class Room Building at Govt. LP School, Vennala in Div - 46

Data as per CPWD		DSR 2014			Cost Index -1.4476	
m no.	Description of Work	Quantity	Rate	Unit	Amount	Total Amount
Appendix A (Civil works)						
2.8.1	Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	167.275	227.99	m ³	38,137.03	38,137.00
4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering -All work upto plinth level:1:4:8 (1 Cement:4 coarse sand: 8 graded stone aggregate 40mm nominal size)	39.068	6226.34	m ³	243,250.65	243,251.00
7.1.1	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with Cement mortar 1:6 (1 cement:6 coarse sand)	70.95	5671.84	m ³	402,417.95 402,403.70	402,417 402,400.00
OD	Cement solid block masonry with cm 1:6 using best quality block of size 40x20x15 cm including cost and conveyance etc. complete	79.53	5976.03	m ³	475,273.67	475,274.00
5.9	Centering and shuttering including strutting, propping etc. and removal of form for:					
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	30.72	284.38	m ²	8,736.45	8,736.00
5.9.3	Suspended floors, roofs, landings, balconies and access platform	238.87	581.42	m ²	138,883.80	138,884.00
5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	333.95	480.82	m ²	160,569.84	160,570.00
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	179.54	656.26	m ²	117,824.92	117,825.00
5.9.7	Stairs, (excluding landings) except spiral staircases	19.45	572.74	m ²	11,139.79	11,140.00
5.9.16.1	Edges of slabs and breaks in floors and walls Under	16.28	168.50	m ²	2,743.52	2,744.00
5.9.19	Weather shade, Chajjas, corbels etc., including edges	50.12	712.72	m ²	35,721.53	35,722.00
5.1.2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level: 1:1.5:3 (1 cement:1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	34.050	9018.83	m ³	307,091.16	307,091.00
5.2.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string course, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement. 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	8.47	10240.75	m ³	86,739.15	86,739.00
5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	not done		m ³		
5.2.2.6	Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut.	9895.00	98.58	kg	975,449.10	975,449.00
13.1.1	Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick	1496.00	236.46	m ²	353,744.16	353,744.00
13.16.1	Plastering with cement mortar 1:3(1 cement:3 fine sand), 6mm thick including a neat cement flushing coat	673.43	194.99	m ²	131,312.12	131,312.00

19	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	346	1136.94	m ²	393,381.24	393,381.24
20		Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry@3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	26.00	1211.13	m ²	31,489.38	31,489.00
21		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m	154.17	162.71	m ³	25,085.00	25,085.00
22	13.43	Applying one coat of cement primer of approved brand and manufacture on wall surface:	2095.50	51.89	m ²	108,735.50	108,736.00
23	13.47.1	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Exterior New work (Two or more coats applied @ 1.43 ltr/10sqm. Over and including base coat of water proofing cement paint applied @2.20 kg/10sqm).	1764.00	137.44	m ²	242,444.16	242,444.00
24	50.9.1.1	Providing wood work in frames of doors & windows clear story windows and another frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fasteneshall be paid for separately) using Anjily/Jack wood	1.231	88659.72	m ³	109,140.12	109,140.00
25	50.9.3.1	Providing & fixing paneled or paneled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright fin ished of required size with necessary screws excluding paneling which will be paid for separately as for separately all complete as per direction of engineering in charge using Angili/Jack wood.	13.574	2329.98	m ³	31,627.15	31,627.00
26	5.9.4.1	Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and cleftory windows (area of opening for p anel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Anjily/Jack wood	6.732	2017.77	m ²	13,583.63	13,584.00
27	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x 15 cm 1:3:6 mix (1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size).	100.00	169.87	E	16,987.00	16,987.00
28	10.25.2	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	483.68	130.42	kg	63,081.55	63,082.00
29	13.48.2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications Painting wood work with Deluxe Multi Surface paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand and manufacture	163.72	127.67	m ²	20,902.13	20,902.00

63.2	Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm	12.00	84.90	E	1,018.80	1,019.00
65.1	Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:5930 with screws etc. complete: 300x20x6 mm	6.00	100.75	E	604.50	605.00
15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent)	2.274	1292.27	m ³	2,938.62	2,939.00
15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	16.06	796.90	m ³	12,798.21	12,798.00
15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead	15.00	204.47	E	3,067.05	3,067.00
15.14.2	Dismantling wood work in frames, trusses, purlins and rafters, up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres	1169.00	9.91	m	11,584.79	11,585.00
15.31	Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	248.00	111.97	m ²	27,768.56	27,769.00
15.7.4	Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in cement mortar	47.89	1091.63	m ³	52,278.16	52,278.00
13.50.1	Applying priming coat: with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	79.929	47.69	m ²	3,811.81	3,812.00

Appendix B (Electrification works)

	Supply and wiring points as per IS 732 -1989 in medium gauge pvc conduit 20mm with specials, using 1.0sq mm pvc insulated stranded single core copper wire 650/1100 V, with 2.03 continuous copper earth wire, clamping using metal saddles spacing not to exceed 50cm suitable size metal switch boxes with upto and including 6A modular type SP switch and plates, 6A 3 plate ceiling rose, copper wire of the specification and size of 1.5 sq mm should be used in 2 runs as circuit to switch board. (All the materials should have departmental approval.)					
	Ceiling rose point	30	800.05	Each	24,001.50	24,002.00
	Point without ceiling rose	6	781.65	Each	4,689.90	4,690.00
	Combined Plug point	11	479.57	Each	5,275.27	5,275.00
	Ceiling fan point with Stepped Regulator socket size	20	1291.35	Each	25,827.00	25,827.00
	Supply and providing medium gauge PVC conduit confirming to IS 9537/83 part III with suitable size specials such as slip in type couplers and bends, fixing the conduit using metal saddles spacing not exceeding 50cms including making good the damages etc. as 20mm pvc pipe.	85	63.27	Metre	5,377.95	5,378.00
	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 1.5 sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc. 1.5 sq mm 3 runs	80	72.95	Metre	5,836.00	5,836.00
	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 2.5 sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc. 2.5 sq mm 2 runs	6	76.41	Metre	458.46	458.00



47	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 4.0sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc, 4.0 sq mm 4 runs	5 ✓	180.68 ✓	Metre ✓	903.40 ✓	
48	Supply and drawing bare copper conductor along with wiring /cables/through pipe etc. as required 2.00 mm	130 ✓	26.68 ✓	Metre ✓	3,468.40 ✓	
49	Supplying heavy duty PVC/ XLPE insulated pvc sheathed armoured power cable with Aluminium conductor for working voltages upto and including 1100 V,, 4 core 10 sqmm size	65 ✓	126590.85 ✓	1000 M ✓	8,228.41 ✓	8,228.00 ✓
50	Laying charges of UG cable upto 25 sq mm size through the wall,by clamping the cable using proper saddles ,screws etc.complete required.	65 ✓	54.29 ✓	Metre ✓	3,528.85 ✓	3,529.00 ✓
51	Supply and providing cable gland suitable 10 Sq mm armoured aluminium cable and making end termination	4 ✓	275.20 ✓	Each ✓	1,100.80 ✓	1,101.00 ✓
52	Supply and fixing of Cover frame & Grid frame for modular switches and accessories, surface box with front plate and making good the surface of the wall, colour washing etc. 2 Module surface box with front plate	5 ✓	221.17 ✓	Each ✓	1,105.85 ✓	1,106.00 ✓
53	3 Module surface box with front plate	1 ✓	237.12 ✓	Each ✓	237.12 ✓	237.00 ✓
54	6 Module surface box with front plate	5 ✓	299.22 ✓	Each ✓	1,496.10 ✓	1,496.00 ✓
55	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A) 6 A SP 1 way switch	10 ✓	132.64 ✓	Each ✓	1,326.40 ✓	1,326.00 ✓
56	6A2M 3pin plug	20 ✓	169.44 ✓	Each ✓	3,388.80 ✓	3,389.00 ✓
57	16A SP one way switch	1 ✓	183.54 ✓	Each ✓	183.54 ✓	184.00 ✓
58	6/16A Socket	1 ✓	247.94 ✓	Each ✓	247.94 ✓	248.00 ✓
59	Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB ,isolator etc. including providing blanking plates in the blanking slots ,fixed on wall 4 way (8+12)	1 ✓	3247.54 ✓	Each ✓	3,247.54 ✓	3,248.00 ✓
60	Supply and fixing the following rating of MCB isolatorsand giving connections. 40A 4Pole	1 ✓	858.82 ✓	Each ✓	858.82 ✓	859.00 ✓
61	Supply and fixing the following rating of MCB and giving connections. 6 to 32A SP MCB	12 ✓	203.72 ✓	Each ✓	2,444.64 ✓	2,445.00 ✓
62	Supply and fitting following type and ratings of in the existing Distribution board including connections. RCCB 4 pole 40A ,30mA	1 ✓	2802.32 ✓	Each ✓	2,802.32 ✓	2,802.00 ✓
63	Supply and fitting MS rod type fan clamp for RCC slab neatly painted with two coats of enamel paint	20 ✓	223.04 ✓	Each ✓	4,460.80 ✓	4,461.00 ✓
64	Supply conveyance ,installation ,testing and commissioning of 1200 mm sweep Ac ceiling fan (B Catogery) using standard accessories ,wiring the down rod with 16/02mm pvc insulated and pvc sheathed 650/1100V grade 3 core round copper conductor flex	20 ✓	1836.44 ✓	Each ✓	36,728.80 ✓	36,729.00 ✓
65	Supply conveyance, installation, testing and commissioning the following types of light fittings made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant,high lumen tube .	26 ✓	1682.45 ✓	Each ✓	43,743.70 ✓	43,744.00 ✓
66	Providing independent ordinary pipe earthing using 1.85 mtrs of 40 mm dia GI pipe ,earth wire copper and					

	Supply and fixing of the three phase meter chamber 300x150x170mm size, directly on wall using proper bolts, nuts etc. and making good the surface of wall	1	3096.04	Each	3,096.04	3,096.00
	Supply and fitting 32A 415V 50HZ LT TPN heavy duty switch disconnector fuse unit in sheet steel enclosure on angle iron frame work and giving connections.	1	4136.49	Each	4,136.49	4,136.00
	Supply and fitting 32A 415V kitkat type fuse unit in the existing fuse box and giving connections	nil				
	Amount to be remitted in KSEB					10,000.00
	Extra Items					
5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1½ : 4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	58.370	10542.11 9425.04	m³	615342.96 615342.96 65042.50	615343 615343.00 55043.00
9.4.1	Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Float glass panes	28.019	3162.57 3572.86 3120.44	m²	88,610.65 100107.96 87481.61	88,611.00 100108.00 87482.00
18.9.7.2	Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement & testing of joints including fittings complete as per direction of Engineer in Charge. 63 mm dia 4Kgf/cm²	58.450	144.33 123.99	m	8436 8,436.09 7247.2	8,436.00 8,436.00 7247.00
	Extra Items					
	Supply and installation of double cover enclosure of vertical MCB DB 4way(8+12) with provision for fixing MCCB/MCB/Four Pole Isolator as incomer for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for TP/SP MCB as out goings Three phase VDB	1	7594.89	Each	7,594.89	7,595.00
	Supply and fixing the following rating of MCB isolators and giving connections.	1	904.82	Each	904.82	905.00
	Supply and fixing the following rating of MCB - B series and giving connections	3	890.45	Each	2,671.35	2,671.00
	Supply and fitting cast aluminium stove enamelled elliptical shape bulk head fitting with porcelain holder and meshguard with front clear glass and 14w CF lamp, to wall including giving connections using 16/0.20 mm pvc insulated and sheathed 3core wire. Bulkhead fitting	3	364.18	Each	1,092.54	1,093.00
	Supply and fitting 63A 415V HRC type porcelain fuse unit in the existing fuse box and giving connections. 63 A Fuse unit	3	256.24	Each	768.72	769.00
	Supply and laying and clamping of 40mm dia 'B' class GI pipe on surface of wall / parapet etc. As protective covering to earth lead / cable / as service pipe etc. 40mm dia GI Pipe as Service pipe	6	276.77	Metre	1,660.62	1,661.00



10	Supplying of 70/72 LED street light luminaire with epoxy powder coated pressure die-cast aluminium housing with heat resistant toughened clear glass fixed with SS screws. Manufacturer name engraved / embossing in housing to allow traceability till life of fixture (stickering and printing is not acceptable) with operating voltage range (140 - 270V AC). The luminaire shall be minimum IP66 protected. LED driver has protection against over voltage and short circuit with LED driver efficiency should be greater than 85% with CRI greater than 75 and with colour temperature 5700K range. minimum 3KV surge protection in driver, LED having 50,000 burning hours with minimum 70% lumen maintenance and power factor 0.90 with THD less than 10%. System consumption should be 70/72 = 5W with lumen package of 100 lumens / watt. (Osram / Philips / Bajaj or equivalent make with three year minimum warranty)	1	9677.00	Each	9,677.00	
11	Supply and fitting GI bracket bend in proper shape for fixing 70/72 W LED (or nearest available wattage) lamp street light fitting made of 40mm dia GI pipe. 1.00 mtr length with clamps bolts and nuts etc. complete. Supply and fitting 40mm dia GI bracket	1	839.42	Each	839.42	839.00
12	Fitting charges of LED street fittings 40/45/70/72/110W on the existing GI bracket fitted with the electric post laying necessary lead wires and giving proper connections.	1	334.92	Each	334.92	335.00
	Contingency					1485.00
	Total					5,612,000.00

[Signature]

[Signature]

[Signature]
N.S.

[Signature]
S. S. S.

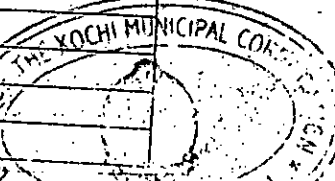
ASSISTANT EXECUTIVE ENGINEER
EAST ZONAL OFFICE
CORPORATION OF COCHIN
BYTTILA COCHIN-18

[Signature]
Rakhamma N.T.
Overseer, L.S.G.D.
KOCHI CORPORATION

[Signature]
EXECUTIVE ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN

[Signature]
SABU KUMAR P. R.
ASSISTANT ENGINEER
L.S.G.D.
KOCHI MUNICIPAL CORPORATION

Data as per CPWD		DSR 2014			Cost Index-1.4476		
Sr. No.	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
Appendix A (Civil works)							
8.1	Earth work excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.						
	For column footing	24	1.50	1.50	1.85	99.900	✓
	For column footing varandha	7	1.40	1.40	1.40	19.208	✓
		16	1.50	0.75	0.75	13.500	✓
		4	1.50	0.75	0.75	3.375	✓
		3	4.70	0.75	0.75	7.931	✓
		2	1.50	0.75	0.75	1.688	✓
		1	4.70	0.75	0.75	2.644	✓
		3	4.70	0.75	0.75	7.931	✓
		6	1.40	0.75	0.75	4.725	✓
		1	1.92	0.75	0.75	1.080	✓
		1	0.45	0.75	0.75	0.253	✓
		1	22.40	0.75	0.30	5.040	✓
	TOTAL					167.275	167.275m ³
8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:4:8 (1 Cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size)						
	For column footing	24	1.50	1.50	0.10	5.400	✓
	For column footing varandha	7	1.40	1.40	0.10	1.372	✓
		16	1.50	0.70	0.10	1.680	✓
		4	1.50	0.75	0.10	0.450	✓
		3	4.70	0.75	0.10	1.058	✓
		2	1.50	0.75	0.10	0.225	✓
		1	4.70	0.75	0.10	0.353	✓
		3	4.70	0.75	0.10	1.058	✓
		6	1.40	0.75	0.10	0.630	✓
		1	1.92	0.75	0.10	0.144	✓
		1	0.45	0.75	0.10	0.034	✓
	class room inside	5	6.20	6.20	0.10	19.220	✓
	stair room	1	2.95	6.00	0.10	1.770	✓
	Varandha	1	22.20	1.80	0.10	3.996	✓
	Varandha steps	1	22.40	0.75	0.10	1.680	✓
	TOTAL					39.068	39.068m ³
	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement: 6 coarse sand: 12 graded stone aggregate 20 mm nominal size) upto plinth level with						
	East side	1	28.80	0.60	0.60	10.37	✓
	West side	1	28.80	0.60	0.60	10.37	✓
	North side	1	12.85	0.60	0.60	4.63	✓
		1	6.00	0.60	0.60	2.16	✓
		1	6.00	0.60	0.60	2.16	✓
		5	6.00	0.60	0.60	10.80	✓
		1	22.40	0.60	0.60	8.06	✓
		1	2.00	0.60	0.60	0.72	✓
	East side	1	28.80	0.45	0.30	3.89	✓
	West side	1	28.80	0.45	0.30	3.89	✓



Sl. no	Item No.	Description of work	No	Length	Breadth	Height	
		North side	1	12.85	0.45	0.30	
			1	6.00	0.45	0.30	
			1	6.00	0.45	0.30	
			5	6.00	0.45	0.30	
			1	22.40	0.45	0.30	
			1	2.00	0.45	0.30	
		Extera For East side	1	28.80	0.40	0.35	
		For North side	1	6.00	0.40	0.50	
			1	6.00	0.40	0.30	
		total					73.69
		Deduction for column	24	0.20	0.40	0.60	
		Varandha column	7	0.20	0.40	0.60	
		Deduction for column	31	0.20	0.45	0.30	
		Varandha column	9	0.20	0.40	0.35	
			3	0.20	0.40	0.50	
			2	0.20	0.40	0.30	
		total deduction					2.75
		less deduction					70.95
4	OD	Cement solid block masaoonry with cm 1:6 using best quality block of size 40x20x15 cm including cost and conveyance etc. complete					70.95m ³
		All round out side	1	83.45	0.20	2.10	
		Cross walls	5	6.20	0.20	2.10	
		All round out side	1	83.45	0.20	1.35	
		Cross walls	5	6.20	0.20	1.35	
		varantha	1	22.40	0.20	1.15	
		varantha south	1	1.80	0.20	1.15	
		Step front side	1	22.40	0.70	0.20	
		All round out side	2	22.40	0.30	0.16	
		Parapet wall	1	47.85	0.10	0.70	
		rear	1	3.60	0.20	2.4	
		side	2	6.20	0.20	2.25	
		front	1	3.60	0.20	2.10	
			1	3.00	0.10	0.70	
			1	30.05	0.10	0.70	
			7	0.10	0.47	0.70	
		cabin handils	1	11.40	0.10	0.88	
		For sunshad outer side back	1	30.28	0.05	0.10	
		north	1	13.65	0.05	0.10	
		front	1	4.15	0.05	0.10	
		south	1	8.62	0.05	0.10	
		Varantha front	1	23.00	0.05	0.10	
		Closing the gap inbetween HS and LPS	2	1.30	0.20	2.10	
		Total					107.03
		Doors	5	1.20	0.20	2.10	
		Windows	15	1.52	0.20	1.46	
		Vendilator	2	0.60	0.20	0.40	
		Star opening	1	3.00	0.20	2.10	
		Landing slab	1	3.00	0.20	0.15	
		Columns	10	0.20	0.20	2.10	
			14	0.40	0.20	2.10	
			1	83.45	0.20	0.43	
			5	6.20	0.20	0.43	
			1	3.20	0.20	1.35	
			4	0.20	0.20	0.43	
			14	0.40	0.20	1.35	
			10	0.40	0.20	1.35	
			7	0.20	0.20	1.15	

					19.525	19.53m
5.9	Centering and shuttering including strutting, propping etc. and removal of form for:					
5.9.1	Centering and shuttering including strutting, propping etc. and removal of form for: foundation footing bases of columns etc					
	Foundation footings basis of columns					
	For main columns	96	1.25	0.20	24.00	
	Columns for Varandha	28	1.20	0.20	6.72	
	TOTAL				30.72	30.72m ²
5.9.3	Suspended floors, roofs, landings, balconies and					
	Class rooms	5	6.20	6.20	192.20	
	Stair room	1	2.13	3.20	6.82	
	Varantha	3	6.20	1.80	33.48	
		1	3.20	1.80	5.76	
	Parapet east side	1	29.28	0.10	2.93	
	north	1	13.05	0.10	1.31	
	west	1	6.85	0.10	0.69	
	west south	1	4.25	0.10	0.43	
	varantha west	1	22.50	0.10	2.25	
	south	1	6.62	0.10	0.66	
	total				246.51	
	deduct beam portion	5	6.20	0.20	6.20	
		4	1.80	0.20	1.44	
	total deduction				7.64	
	les deduction				238.87	238.87m ²
5.9.5	Centering and shuttering including strutting, propping					
	Foundation footings basis of columns East side	2	29.08	0.45	26.17	
	West side	2	29.08	0.45	26.17	
	North side	2	13.05	0.45	11.75	
		2	6.62	0.45	5.96	
		2	6.25	0.45	5.63	
		2	22.40	0.45	20.16	
		10	5.80	0.45	26.10	
		2	3.00	0.45	2.70	
		8	1.80	0.45	6.48	
	For bottom beam stair room	1	3.00	0.20	0.60	
	sides	2	3.00	0.35	2.10	
	For lintal beam all round	1	83.45	0.20	16.69	
	outer side	1	84.05	0.15	12.61	
	inside class rooms	13	6.20	0.15	12.09	
		1	3.00	0.15	0.45	
	beam for varantha bottom	1	22.40	0.20	4.48	
	side	2	22.40	0.35	15.68	
	south side bottom	1	1.80	0.20	0.36	
	side	2	1.80	0.35	1.26	
	All round out side	1	84.05	0.43	36.14	
		5	24.80	0.43	53.32	
		5	6.20	1.06	32.86	
		1	18.80	0.43	8.08	
		1	3.20	0.20	0.64	
		4	1.80	1.06	7.63	
	Total				336.11	
	Deduction for column inside	24	0.20	0.45	2.16	
	Total				333.95	333.95m ²
5.9.6	Centering and shuttering including strutting, propping etc. and removal of form for: columns pillar					
	For main columns	24	1.20	1.40	40.32	
	Columns for Varandha	7	1.20	0.95	7.98	

Sl. no	Item No.	Description of work	No	Length	Breadth	Height		
		For column	24	1.20	2.10			
		Varandha columns	7	0.65	2.10			
		For column	24	1.20	0.92			
		Varandha columns	4	0.80	0.72			
		Varandha columns	3	0.80	1.15			
		Over roof						
		For column	19	1.20	0.60			
		For column	5	1.20	2.10			
		Varandha columns	7	0.80	0.60			
		Total					179.54	179.54
10	5.9.7	Stairs, (excluding landings) except spiral staircases						
		For stairs	1	1.30	0.25		0.33	
			1	1.20	3.45		4.14	
			1	3.45	0.25		0.86	
			10	1.20	0.15		1.80	
			1	3.00	1.20		3.60	
			1	1.50	0.10		0.15	
		Stair standing	1	4.35	1.20		5.22	
		side	1	4.35	0.15		0.65	
		for steps	15	1.20	0.15		2.70	
		TOTAL					19.45	19.45m ²
11	5.9.16.1	Edges of slabs and breaks in floors and walls Under 200 cm wide						
		All round roof	1	82.55	0.12		9.91	
		Sunshade outer edge all round	1	79.70	0.08		6.38	
		TOTAL					16.28	16.28m ²
12	5.9.19	Weather shade, Chajjas, corbels etc., including edges						
		bottom east side	1	30.28	0.60		18.17	
		north side	1	13.65	0.60		8.19	
		west side	1	4.15	0.60		2.49	
		south side	1	8.62	0.60		5.17	
		Front side	1	23.00	0.70		16.10	
		TOTAL					50.12	50.12m ²
13	5.1.2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level: 1:1.5:3						
		For main columns	24	1.25	1.25	0.2	7.500	
		Columns for Varandha	7	1.20	1.20	0.2	2.016	
			24	0.75	0.75	0.45	6.075	
			7	0.70	0.70	0.4	1.372	
		For main columns	24	0.20	0.40	1.4	2.688	
		Columns for Varandha	7	0.20	0.40	0.95	0.532	
		For plinth beam north side	2	29.08	0.20	0.45	5.234	
		North East-west	1	13.05	0.20	0.45	1.175	
		west north	1	6.65	0.20	0.45	0.599	
		North East-west	1	6.25	0.20	0.45	0.563	
		Varandha frond	1	22.40	0.20	0.45	2.016	
		South side classroom	4	6.20	0.20	0.45	2.232	
		stair case	2	6.20	0.20	0.45	1.116	
		stair base	1	3.00	0.20	0.45	0.270	
		Northside classrooms	4	1.80	0.20	0.45	0.648	
		TOTAL					34.035	34.05m ³
14	5.2.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string course, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing						

	For column	24	0.40	0.20	0.72	0.12	
	Varandha columns	4	0.20	0.20	1.15	0.14	
	Varandha columns	3	0.20	0.20			
	Above roof						
	For column	5	0.40	0.20	2.10	0.84	
	For column	19	0.40	0.20	0.60	0.91	
	Varandha columns	7	0.20	0.20	0.60	0.17	
	TOTAL					8.47	8.47m ³ ✓
5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).						not done ✓
5.2.2.6	Reinforcement work for RCC work using Thermo-Mechanically treated bars bent tied and placed in position. For covering slab and strut.						
	Item no 13 - 1m3 = 110kg	1	34.035	110.000		3743.85	
	Item no 14 - 1m3 = 106kg	1	8.470	106.000		897.82	
	Extra item no 1 = 90kg	1	58.370	90.000		5253.30	
	TOTAL					9894.97	9895kg ✓
13.1.1	Plastering with cement mortar 1:4 (1 cement:4 fine sand), 12mm thick						
	out side basement						
	south	1	8.65	0.60		5.19	
	Rear - East	1	29.10	1.19		34.48	
	North	1	13.07	1.12		14.64	
	west	1	6.67	0.73		4.84	
	front	1	4.65	0.73		3.37	
	wall out side						
	Varantha	1	22.40	3.60		80.64	
	south	1	6.62	3.60		23.83	
	Rear	1	29.08	3.60		104.69	
	North	1	13.05	3.60		46.98	
	west	1	6.60	3.60		23.76	
	North front	1	6.25	3.60		22.50	
	varantha outside	1	22.40	1.15		25.76	
	varantha inside	1	22.20	1.15		25.53	
	in side of class room all round	5	24.80	3.60		446.40	
	stair cabin inside	1	18.80	3.60		67.68	
	handril	1	11.40	1.86		21.20	
	outside	4	0.10	0.88		0.35	
	inside	1	3.60	2.40		8.64	
	handril	2	6.20	2.25		27.90	
	outside	1	3.60	2.10		7.56	
	inside	1	3.20	2.10		6.72	
	handril	1	3.20	2.40		7.68	
	outside	2	6.20	1.25		15.50	
	inside	1	3.20	2.10		6.72	
	parapet wall in side	1	49.25	0.70		34.48	
	handril	1	48.25	0.70		33.78	
	outside	1	47.85	0.70		33.50	
	inside	1	3.20	0.70		2.24	
	handril	1	3.20	0.70		2.24	
	outside	1	30.05	0.70		21.04	
	inside	1	30.55	0.70		21.39	

Sl. no	Item No.	Description of work	No	Length	Breadth	Height		
			1	30.05	0.70			
		class room inside	5	6.20	6.20			
		stair room	1	3.20	6.20			
		Varandha floor	1	22.20	1.80			
		Varandha steps	5	22.40	0.30			39.96
		steps	5	22.40	0.30			33.60
		steps	24	1.50	0.15			33.60
		steps	24	1.50	0.30			5.40
		Landing	1	3.20	1.20			10.80
		Closing the gap inbetween HS and LPS	4	1.30	2.15			3.84
		total						11.18
		Dudation						1552.66
			6	1.20	2.10			15.12
			15	1.52	1.46			33.29
			2	0.60	0.40			0.48
			1	1.52	0.80			1.22
			1	3.20	2.10			6.72
		total deduction						56.82
		les deduction						1495.84
18	13.16.1	Plastering with cement mortar 1:3(1 cement:3 fine sand), 6mm thick including a neat cement flushing coat						1496m ² ✓
		Celing						
		Class room	5	6.20	6.20			192.20
		beam	10	6.20	0.40			24.80
		Varantha	1	22.20	1.80			39.96
		Stair cabin	1	3.20	1.24			3.97
			1	1.20	0.41			0.49
			1	3.20	1.20			3.84
		flight 1st	1	3.45	1.20			4.14
			1	4.35	1.20			5.22
		Sunshade rear	1	30.28	0.70			21.20
		North	1	13.65	0.70			9.56
		west	1	4.15	0.70			2.91
		south	1	8.62	0.70			6.03
		front	1	23.80	0.80			19.04
		varantha beam	1	24.00	0.90			21.60
		pillar	7	2.10	0.65			9.56
		cross beam at varantha	12	1.80	0.40			8.64
		Roof slab portion allround	1	82.70	0.27			22.33
		Roof top	1	19.60	8.95			175.42
			1	6.90	13.30			91.77
			1	3.00	3.59			10.77
		TOTAL						673.43
								673.43m ² ✓
19	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.						
		class room inside	5	6.20	6.20			192.20
		skirting	5	24.80	0.12			14.88
		class room outside skirting	5	5.00	0.12			3.00
		stair room	1	3.20	6.20			19.84
		skirting	1	6.20	0.12			0.74
		Varandha	1	22.40	1.80			40.32

	steps					7.68	
	Landing	2	3.20	1.20		345.26	346m ² ✓
	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.						
	stair room	1	9.40	2.70		25.38	26m ² ✓
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5m.						
	Class room 1st filling	5	5.75	5.75	0.35	57.86	
	Stair case	1	2.55	5.75	0.35	5.13	
	Class room 2nd filling	5	6.20	6.20	0.45	86.49	
	Stair case	1	3.00	3.10	0.45	4.19	
	Varantha 1st	1	21.95	1.55	0.35	11.91	
	Varantha 2nd	1	21.95	1.60	0.45	15.80	
						181.38	
						27.21	
	Deduct 15% consolidation					154.17	154.17m ³ ✓
	TOTAL						
13.43	Applying one coat of cement primer of approved brand and manufacture on wall surface:						
	Area as per item no17					1495.580	
	Area as per item no18					673.430	
						2169.01	
	Deduct						
	Varandha floor	1	22.20	1.80		39.96	
	Varandha steps	5	22.40	0.30		33.60	
						73.56	
	TOTAL					2095.45	2095.50m ² ✓
13.47.1	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Exterior New work (Two or more coats applied @ 1.43 ltr/10sqm. Over and including base coat of water proofing cement paint applied @ 2.20 kg/10sqm).						
	Area as per item no17					1495.580	
	Area as per item no18					673.430	
						2169.010	
	Deduct						
	Varandha floor	1	22.20	1.80		39.96	
	Varandha steps	5	22.40	0.30		33.60	
	steps	5	22.40	0.30		33.60	
	steps	24	1.50	0.15		5.40	
	steps	24	1.50	0.30		10.80	
	Landing	1	3.20	1.20		3.84	
	Roof top	1	19.60	8.95		175.42	
		1	6.90	13.30		91.77	
		1	3.00	3.59		10.77	
						405.16	
	TOTAL					1763.85	1764m ² ✓

GOCHI MUNICIPAL

Sl. no	Item No.	Description of work	No	Length	Breadth	Height		
24	50.9.1.1	Providing wood work in frames of doors & windows clear story windows and another frames wrought framed and fixed in position with hold fast lugs or with fasteners of required dia and length (hold fast and dash fasteneshall be paid for separately) using Anjily/Jack wood						
		Door frames horizontal	5	1.20	0.10	0.070	0.042	
		Door frames vertical	10	2.10	0.10	0.070	0.147	
		Window frames Horizontal	30	1.52	0.10	0.070	0.319	
		Window frames vertical	60	1.46	0.10	0.070	0.613	
		Ventilator frames horizontal	4	0.60	0.10	0.070	0.017	
		Ventilator frames vertical	4	0.40	0.10	0.070	0.011	
		Door frames horizontal	1	1.20	0.10	0.070	0.008	
		Door frames vertical	2	2.10	0.10	0.070	0.029	
		Stair room Window frames Horizontal	2	1.52	0.10	0.070	0.021	
		Stair room Window frames vertical	4	0.80	0.10	0.070	0.022	
		TOTAL					1.231	1.231m ³ ✓
25	50.9.3.1	Providing & fixing paneled or paneled and glazed shutters for doors, windows and clear story windows 30mm thick shutters including ISI marked MS Pressed Butt hinges bright finished of required size with necessary screws excluding paneling which will be paid for separately as for separately all complete as per direction of engineering in charge using Angili/Jack wood.						
		Doors 6 x 2	12	0.56	2.020		13.5744	13.574m ² ✓
26	5.9.4.1	Providing & fixing paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Panelling for paneled and glazed shutters 25mm-40mm thick using good quality Anjily/Jack wood						
		Doors 6 x 2 x 3	36	0.55	0.340		6.7320	6.732m ² ✓
27	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x 15 cm 1:3:6 mix (1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size).						
		Door	30				30	
		Window	60				60	
		Door	6				6	
		Window	4				4	
		TOTAL					100.00	100 nos ✓
28	10.25.2	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works						
		12mm dia MS bar for windows	135	1.50		1.131	229.03	
			4	0.60		1.130	2.71	
		MS flat 25x5 mm	90	1.46		1.800	236.52	
		12mm dia MS bar for windows	4	1.50		1.130	6.78	
		MS flat 25x5 mm	6	0.80		1.800	8.64	
		TOTAL					483.68	483.68 kg ✓
29	13.48.2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications Painting wood work with Deluxe Multi Surface paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand and manufacture						

	Description of work	No	Length	Breadth	Height	Quantity	Total Quantity
	Stair room Window	1	1.45	0.80	2.250	2.61	
	Ventilator frames horizontal	4	0.60	0.27	1.000	0.65	
	Ventilator frames vertical	4	0.40	0.27	1.000	0.43	
	TOTAL					163.72	163.72m ² ✓
3.2	Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm						
	Doors	12				12.00	12 nos ✓
5.1	Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:5930 with screws etc. complete: 300x20x6 mm						
	Doors	6				6.00	6 nos ✓
5.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)						
	Lintal	2	22.00	0.20	0.150	1.320	
		3	6.40	0.20	0.150	0.576	
		1	12.60	0.20	0.150	0.378	
	TOTAL					2.274	2.274m ³ ✓
5.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)						
	Floor of classroom	5	6.00	6.00	0.075	13.50	
	Varandha	1	28.40	1.20	0.075	2.56	
	TOTAL					16.06	16.06m ³ ✓
15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead						
	Doors damaged and not reusable	5				5.00	
	Windows	10				10.00	
	TOTAL					15.00	15 nos ✓
15.14.2	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres						
	Rafters	30	4.00	1.00	1.00	120.00	
		8	4.00	1.00	1.00	32.00	
	Ridge	1	15.00	1.00	1.00	15.00	
		1	6.40	1.00	1.00	6.40	
	Hip	6	5.00	1.00	1.00	30.00	
	Purlin	34	22.00	1.00	1.00	748.00	
		34	6.40	1.00	1.00	217.60	
	Total					1169.00	1169.00m ✓
15.31	Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.						
	Roof	1	20.00		5.000	100.00	
	North-South	1	15.00		5.000	75.00	
		1	8.20		5.000	41.00	
		1	6.40		5.000	32.00	
	TOTAL					248.00	248m ² ✓
15.7.4	Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in cement mortar						
	Wall	2	22.00	0.23	3.00	30.36	

Sl. no	Item No.	Description of work	No	Length	Breadth	Height	
38	13.50.1	Applying priming coat: with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)				C	
		Doors	6	2.12	1.20	2.250	34.344
		Window	15	1.52	1.47	1.250	41.895
		Stair room Window	1	1.45	0.80	2.250	2.610
		Ventilator frames horizontal	4	0.60	0.27	1.000	0.648
		Ventilator frames vertical	4	0.40	0.27	1.000	0.432
		Total					79.929
		Appendix B (Electrification works)					
39	1	Supply and wiring points as per IS 732 -1989 in medium guage pvc conduit 20mm with specials, using 1.0sq mm pvc insulated stranded single core copper wire 650/1100 V, with 2.03 continuous copper earth wire, clamping using metal saddles spacing not to exceed 50cm suitable size metal switch boxes with upto and including 6A modular type SP switch and plates, 6A 3 plate ceiling rose; copper wire of the specification and size of 1.5 sq mm should be used in 2 runs as circuit to switch board. (All the materials should have departmental approval.).					
40	a	Ceiling rose point					
		Ceiling rose point For single Tube at class room	1x	5	4		20
		For yard light	1x	1			1
		For Bulkhead fitting	1x	3			3
		Passage	1x	4			4
		Staircase room	1x	2			2
							30
							30 Nos ✓
41	b	Point without ceiling rose					
		Batten point for Projector	1x	5			5
		Batten at Bath room	1x	1			1
							6
							6 Nos ✓
42	c	Combined Plug point					
		Combined plug point class rooms	1x	5	2		10
		Staircase room	1x	1			1
							11
							11 Nos ✓
43	d	Ceiling fan point with Stepped Regulator socket size					
		Fan point class room	1x	5	4		20
							20 Nos ✓
44	2	Supply and providing medium guagePVC conduit confirming to IS 9537/83 part III with suitable size specials such as slip in type couplers and bends, fixing the conduit using metal saddles spacing not exceeding 50cms including making good the damages etc. as 20mm pvc pipe.					
		DB to Power Plugs	1x	1	5		5
		DB to Computer plugs at Class room 3	1x	1	9		9
		DB to Computer plugs at Class room 2	1x	1	14		14
		DB to Computer plugs at Class room 1	1x	1	20		20
		DB to Computer plugs at Class room 4	1x	1	13		13
		DB to Computer plugs at Class room 5	1x	1	18		18
		For earth protection	1x	2	3		6
							85
							85 Mts ✓
45	3	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 1.5 sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc, 1.5 sq mm 3 runs					
		DB to Computer plugs at Class room 3	1X	1	10		10
		DB to Computer plugs at Class room 2	1X	1	15		15
		DB to Computer plugs at Class room 1	1X	1	22		22

	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 2.5 sq mm confirming to IS 694/1990 through the existing conduit and giving connections etc, 2.5 sq mm 2 runs						
a	2.5 sq mm copper wire 2 runs	1x	1	6	6	6 Mts	✓
5	Supply and drawing 650/1100V grade pvc insulated stranded single core copper conductor cable of size 4.0sq. mm confirming to IS 694/1990 through the existing conduit and giving connections etc, 4.0 sq mm 4 runs						
	Meter box to VDB	1X	1	5	5	5Mts	✓
6	Supply and drawing bare copper conductor along with wiring /cables/through pipe etc. as required 2.00 mm						
	Bare copper 2.00 mm	1x	2	2	4		
	Meter Box to VDB	1x	1	6	6		
	DB to power Plugs	1x	2	8	16		
	Along with cable	1x	2	52	104		
					130	130 Mts	✓
7	Supplying heavy duty PVC/ XLPE insulated pvc sheathed armoured power cable with Aluminium conductor for working voltages upto and including 1100 V., 4 core 10 sqmm size						
a	4 core 10 sq mm Power cable	1x	1	65	65	65 Mts	✓
8	Laying charges of UG cable upto 25 sq mm size through the wall by clamping the cable using proper saddles, screws etc. complete required.						
	4* 10 sq mm						
	Meter to Main switch	1x	1	10	10		
	Main switch to DB	1X	1	55	55		
					65	65 Mts	✓
9	Supply and providing cable gland suitable 10 Sq mm armoured aluminium cable and making end termination						
a	10 sq mm	1x	4		4	4 Nos	✓
10	Supply and fixing of Cover frame & Grid frame for modular switches and accessories, surface box with front plate and making good the surface of the wall, colour washing etc. 2 Module surface box with front plate						
a	2 Modular type surface box with front plate	1x	5		5	5 Nos	✓
b	3 Module surface box with front plate	1x	1		1	1 Nos	✓
c	6 Module surface box with front plate	1x	5		5	5 Nos	✓
11	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A) 6A SP 1 way switch in Computer plugs						
a	6A Switch in computer plugs	1x	2	5	10	10 Nos	✓
b	6A2M 3pin plug for computer plugs	1x	3	5	15		
	for projector point	1x	1	5	5		
					20	20Nos	✓
c	16A SP one way switch	1x	1		1	1Nos	✓
d	6/16A Socket	1x	1		1	1 Nos	✓
12	Supply and installation of double cover enclosure of MCB DB for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for incorporating MCB, isolator etc. including providing blanking plates in the blanking slots, fixed on wall 4 way (8+12)						
	Three Phase DB 4 way (8+12)	1x			1	1 Nos	✓

no	Item NO.	Description of work	No	Length	Breadth	Height	Quantity
60	14	Supply and fixing the following rating of MCB isolators and giving connections. 40A 4Pole					
	a	40 A on three phase DBs	1x	1			1
61	15	Supply and fixing the following rating of MCB and giving connections. 6 to 32A SP MCB					
		Single pole MCBs	1x	12			12
62	17	Supply and fitting following type and ratings of in the existing Distribution board including connections. RCCB 4 pole 40A, 30mA					
		Three Phase DBs	1x	1			1 Nos
63	18	Supply and fitting MS rod type fan clamp for RCC slab neatly painted with two coats of enamel paint					
		MS rod type fan clamp class room	1x	4	5		20
64	19	Supply conveyance, installation, testing and commissioning of 1200 mm sweep Ac ceiling fan (B Category) using standard accessories, wiring the down rod with 16/0.2mm pvc insulated and pvc sheathed 650/1100V grade 3 core round copper conductor flex					
		Ceiling fan	1x	4	5		20 Nos
65	20	Supply conveyance, installation, testing and commissioning the following types of light fittings made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant, high lumen tube.	1x	26			26 Nos
66	22	Providing independent ordinary pipe earthing using 1.85 mtrs of 40 mm dia GI pipe, earth wire copper and other specials such as common salt, charcoal bolts and nuts etc. complete required at site.	1x	3			3 Nos
67	23	Supply and fixing of the three phase meter chamber 300x450x170mm size, directly on wall using proper bolts, nuts etc. and making good the surface of wall	1x	1			1 Nos
68	24	Supply and fitting 32A 415V 50HZ LT TPN heavy duty switch disconnector fuse unit in sheet steel enclosure on angle iron frame work and giving connections.	1x	1			1 Nos
69		Supply and fitting 32A 415V Kitkat type fuse unit in the existing fuse box and giving connections					
70	30	Amount to be remitted in KSEB					0.00
							LS
		EXTRA ITEMS, App - A (civil works)					
I	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1½:3 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size).					
		For stair case first landing	1	3.40	1.210	0.150	0.62
		For lintal beam all round	1	83.45	0.20	0.15	2.50
		inside class rooms	1	6.20	0.15	0.15	0.14
		beam for varantha bottom	1	22.40	0.20	0.35	1.57
		south side bottom	1	1.80	0.20	0.35	0.13

Description of work

west side	1	4.15	0.60	0.09	0.22	
south side	1	8.62	0.60	0.09	0.47	
Front side	1	23.00	0.70	0.09	1.45	
For roof south block	1	19.60	8.95	0.12	21.05	
Beam east - west	4	8.62	0.20	0.43	2.97	
East side and west	2	29.02	0.20	0.43	4.99	
	3	6.20	0.20	0.43	1.60	
North portion East west	2	13.05	0.20	0.43	2.24	
Class room north block	2	6.20	0.20	0.43	1.07	
west wall	1	6.60	0.20	0.43	0.57	
Room north block	1	6.90	13.30	0.12	11.01	
Front of varantha and stair cabin	1	3.00	3.59	0.12	1.29	
	1	1.24	0.41	0.12	0.06	
Stair case 1st flight slab	1	3.45	1.20	0.15	0.62	
2nd flight	1	4.35	1.20	0.15	0.78	
Steps 24*1/2=12	12	1.20	0.30	0.15	0.65	
					58.37	58.37M ³ ✓
TOTAL						

9.9.1.2

Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. Using Anjili wood / Jack wood 30mm thick shutters (Modified DSR 9.9.1.2)

Windows 15 x 3	45	0.43	1.400		27.0900	
Stair room window 1 x 3	3	0.43	0.720		0.9288	
					28.019	28.019m ²
TOTAL						

50.18.9.7.2

Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement & testing of joints including fittings complete as per direction of Engineer in Charge. 63 mm dia 4Kg/cm²

Front side	3	4.45			13.350	
South side	1	3.75			3.750	
East side	4	4.1			16.400	
East side	1	4.25			4.250	
North side	2	4.05			8.100	
From roof to sunshade	7	1.80			12.600	
					58.45	58.45m ✓
TOTAL						

EXTRA ITEMS, App - B (Electrification works)

Supply and installation of double cover enclosure of vertical MCB DB (4way(8+12) with provision for fixing MCCB/MCB/Four Pole Isolator as incomer for three phase inclusive of copper/brass bus bar neutral link and DIN bar suitable for TP/SP MCB as outgoing

Three phase VDB 1x 1 1 1Nos ✓

Supply and fixing the following rating of MCB isolators and giving connections. 63A on Three phase DBs

1x 1 1 1Nos ✓

Supply and fixing the following rating of MCB - B series and giving connections Tripple pole MCBs

1x 3 3 3Nos ✓

Supply and fitting cast aluminium stove enamelled elliptical shape bulk head fitting with porcelain holder and meshguard with front clear glass and 14w CF lamp, to wall including giving connections using 16/0.20 mm pvc insulated and sheathed 3core wire. Bulkhead fitting

1x 3 3 3Nos ✓

Supply and fitting 63A 415V HRC type porcelain fuse unit in the existing fuse box and giving connections. 63 A Fuse unit

1x 3 3 3Nos ✓

9	26	Supply and laying and clamping of 40mm dia 'B' class GI pipe on surface of wall / parapet etc. As protective covering to earth lead / cable / as service pipe etc. 40mm dia GI Pipe as Service pipe	1x	1	6	Height	
10	27	Supplying of 70/72 LED street light luminaire with epoxy powder coated pressure die-cast aluminium housing with heat resistant toughened clear glass fixed with SS screws. Manufacturer name engraved / embossing in housing to allow traceability till life of fixture (stickering and printing is not acceptable) with operating voltage range (140 - 270V AC). The luminaire shall be minimum IP66 protected. LED driver has protection against over voltage and short circuit with LED driver efficiency should be greater than 85% with CRI greater than 75 and with colour temperature 5700K range. minimum 3KV surge protection in driver, LED having 50,000 burning hours with minimum 70% lumen maintenance and power factor 0.90 with THD less than 10%. System consumption should be 70/72 = 5W with lumen package of 100 lumens / watt. (Osram / Philips / Bajaj or equivalent make with three year minimum warranty)	1x	1			
11	28	Supply and fitting GI bracket bend in proper shape for fixing 70/72 W LED (or nearest available wattage) lamp street light fitting made of 40mm dia GI pipe . 1.00 mtr length with clamps bolts and nuts etc. complete. Supply and fitting 40mm dia GI bracket	1x	1			1 Nos
12	29	Fitting charges of LED street fittings 40/45/70/72/110W on the existing GI bracket fitted with the electric post laying necessary lead wires and giving proper connections.	1x	1			1 Nos

[Signature]
K. G. Prasannakumar
P.W.O. II

[Signature]
**ASSISTANT EXECUTIVE ENGINEER
EAST ZONAL OFFICE
CORPORATION OF COCHIN
P.T.T.I.L. COCHIN-13**

[Signature]
K. G. Prasannakumar
P.W.O. II

[Signature]
**REKHAMMA .N.T
Overseer, L.S.G.D.
KOCHI CORPORATION**

[Signature]
**EXECUTIVE ENGINEER
LSGD
MUNICIPAL CORPORATION OF COCHIN**

[Signature]
**KUMAR P. R.
ASSISTANT ENGINEER
L.S.G.D.
MUNICIPAL CORPORATION**

മാർക്സ്

A81/082/3902/6485/20/CE/LSGD

നമ്പർ.

A81/082-1 / -/CE/LSGD

പ്രേഷകൻ

ചീഫ് എഞ്ചിനീയർ

തസ്വഭവ, തിരുവനന്തപുരം

സ്വീകർത്താവ്

എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ സുപ്രസന്നൻ ചെമ്പിനിമർ
ജില്ലാ പഞ്ചായത്ത്, തൊച്ചി മുരിപ്പുൾ അപ്പലൈൻ

വിഷയം:- തസ്വഭവ (സാങ്കേതിക വിഭാഗം) അസംബ്ലി നിയോജക മണ്ഡലം ആസ്തി
വികസന പദ്ധതിപ്രകാരം ഓക്ടാക്കർ മണ്ഡലത്തിൽ നടപ്പിലാക്കിയ
വെള്ളാല ഷാഫ്റ്റ് പി സ്കൂൾ പ്രതിരൂപീകരണ പ്രവർത്തിയുടെ
അലോട്ട്മെന്റിനായി ലഭ്യമാക്കിയ രേഖകളിലെ അപാ
കത പരിഹരിച്ചു നൽകുന്നതു സംബന്ധിച്ച

സൂചന:- 1. താങ്കളുടെ തീയതിയിലെ

നമ്പർ കത്ത്

സൂചന കത്തിനോടൊപ്പം മേൽപ്രവർത്തിയുടെ വിവരങ്ങൾ ബിൽ

സമർപ്പിച്ചിരുന്നു. ടി രേഖകൾ പരിശോധിച്ചതിൽ ചുവടെ സൂചിപ്പിക്കുന്ന ന്യൂനതകൾ
കാണപ്പെടുന്നു. ആയത് പരിഹരിച്ച് ലഭ്യമാക്കാൻ നിർദ്ദേശിക്കുന്നു.

- 1- ടി പ്രവർത്തിയുടെ ചെമ്പിനിമർ അപ്പലൈൻ പ്രവർത്തിയുടെ നടപ്പിലാക്കൽ final bill ന്നും അനുബന്ധമായി
- 2- ബിൽ പാർട്ട് II-ൽ ന. 5000 നാൾ ലെവെ രേഖപ്പെടുത്തിയിട്ടില്ല
3. Name Board-ൽ പേരുകൾ ഇട രേഖപ്പെടുത്തിയിട്ടില്ല
- 4.

കിഴക്കൻ
31/5/17
31/5/17
31/5/17

DESPATCHED
On 31/5/17
Clerk

വിശ്വസ്യതയോടെ
ചീഫ് എഞ്ചിനീയർ

14/5/17

MEASUREMENT

BOOK

MEASUREMENT-UP-TO-DATE											7		8		9		Remarks
1	2	3	4	5	6	MEASUREMENT-UP-TO-DATE					Total value to date Rs.	Deduct Previous Measurements	Since last Measurement	Value at rate in Col. 6			
No.	L	B	D	Contents or area	Rate						Page	Quantity Cols 5-8	Rs.	P.s.			
PARTICULARS																	
Payment Order No.....16597611																	
Passed for payment of Rs.159630/-																	
Deduction No. 1596301																	
Pay by Cheque to Jaimon James																	
towards Construction of Class room building at Govt L.S. Vennala, road #6																	
for 408 Sq.ft																	
Superintending Engineer																	
SUPERINTENDING ENGINEER																	
LSD																	
MINISTER OF EDUCATION																	

OF THE AGRICULTURAL CORP.

MEASUREMENT

BOOK

49

3) 28)									
PARTICULARS	1	2	3	4	5	6	Since last Measurement		
	MEASUREMENT-UP-TO-DATE						Deduct Previous Measurements	Quantity Cols 5-8	Value at rate in Col. 6
	Rate								
	No.	L.	B.	D.	Contents or area	Rate			
total work done							Quantity	Rs.	Ps.
Deduct Tender holder 5328.1							4719248.15	4773453.28	1677846.80
Net amount due to contractor							251515.38	25437733	89385.81
Net amount due to contractor							4468232.77	4519075.95	1587965.99
Net amount due to contractor							117305.00	117305.00	15880.00
Net amount due to contractor							44682.00	45191.00	15880.00
Net amount due to contractor							44682.00	45191.00	15880.00
Net amount due to contractor							15356.00	15865.00	15880.00
Net amount due to contractor							15356.00	15865.00	15880.00
Net amount due to contractor							23738.00	239417.00	63520.00
Net amount due to contractor							423085.72	4279658.95	1524440.65
Net amount due to contractor							423085.72	4279658.95	1524440.65
Net amount due to contractor							2683358.00	2683358.00	2683358.00

Net amount due to contractor

Rule) 28)

MEASUREMENT										BOOK			
PARTICULARS	1	2	3	4	5	6	7	8		9		Remarks	
								Total value to date Rs.	Deduct Previous Measurements	Quantity	Since last Measurement		
											Page		Quantity Cols 5-8
hold work done							4776049 83				1677348 85		
duct tender below 15.3896							854468 32				89386 65		
less deduction							4680686 86				1687956 35		
duct box VAT 4%							180883 00	117305.00			63518 00		
less deduction							45806 00				15880 00		
17 1%							15880 46206 00				15880 00		
less deduction							221835 00				96228 00		
hold deduction							4849361 86				1498678 35		
less deduction							2683358 00				1698678 35		
duct CC Egt and part							1566993 86				73316 00		
less deduction													
old Retention							1566993 86				1566994 35		
total							1566994			1566994			
not payable													
Carried over to the next page													

MEASUREMENT

BOOK

18
check
18



MEASUREMENT

BOOK

PARTICULARS													1		2		3		4		5		6		7		8		9		Remarks			
MEASUREMENT-UP-TO-DATE													No.		L.		B.		D.		Contents or area		Rate		Total value to date Rs.		Deduct Previous Measurements		Since last Measurement					
																													Quantity Cols 5-8			Value at rate in Col. 6 Rs. Ps.		
													Page		Quantity																			
9.4.1																																		
foundry and fixing Paving and glassed impervious or signed sheet																																		
Qty with page 22 of M.B. 133/11-12																																		
1.11.1																																		
3. 50. 18. 9. 2. 2																																		
providing and fixing PVC pipes including of pipes with one stop.																																		
Qty with page 29 of J.S.																																		
App's Electrical work																																		
Qty with page 10																																		

717.563.88

763740.76

BOOK

MEASUREMENT

13 (Rule) 28)

13 (Rule) 28)														
PARTICULARS			MEASUREMENT-UP-TO-DATE					7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks	
			1	2	3	4	5		6	Page	Quantity	Quantity Cols 5-8		Value at rate in Col. 6 Rs. Ps.
No.	L	B.	D.	Contents or area	Rate									
15. 31. Demolishing Roof														
Disinfecting tiled Roof														
bottoms Roof														
By whole page 90 of M.R. No. 33/16-17														
+2-500-1 15. 31. Demolishing Roof														
Applying Priming Coat Roof														
Plank on 90 of M.R. No. 33/16-17														
By whole page 90 of M.R. No. 33/16-17														
13. 50. 1														
Applying Priming Coat with Roof														

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

MEASUREMENT

BOOK

No. 13 (Rule) 28)

PARTICULARS		1	2	3	4	5	6	MEASUREMENT-UP-TO-DATE		Total value to date		Deduct Previous Measurements		Value at rate in Col. 6		Remarks	
		No.	L.	B.	D.	Contents or area	Rate			Rs.		Page	Quantity	Quantity Cols 5-8	Rs.	Ps.	
2. 9.63.2																	
Providing and fixing ISI Marked oxidized M.S. from lock						X	X										
Qty vide page 23 of 9.6.						12 NOS	84.90		1018	80	X			12 NOS	1018	80	!
31. 9.65.1																	
Providing and fixing ISI Marked oxidized M.S. door.																	
Qty vide page 23 of 9.6.						6 NOS	100.95		604.50		X			6 NOS	604.50	604.50	X
15.2.1																	
Demolished Cant. Cornice 1:3:6																	
Qty vide page 23 of 9.6.						2.27 M ³	1298.85		2933	45	X						

BOOK

MEASUREMENT

(Rule) 28)

PARTICULARS					MEASUREMENT-UP-TO-DATE					7		8		9		Remarks
1	2	3	4	5	6	Total value to date Rs.		Deduct Previous Measurements		Since last Measurement		Value at rate in Col. 6				
No.	L.	B.	D.	Contents or area	Rate			Page	Quantity	Quantity Cols 5-8	Rs.	Ps.				
9.41																
Providing and fixing plastering of glazing in Palki or painted iron shutter																
Qty. side page 21 of 9.6.																
					6.7320	2017.77	13583 68	X			6.7320	13583 68	✓			
9.53																
Providing and fixing plastering and hold fast to iron																
Qty. with page 87 of 11.3 No 33/16-18																
Qty. with page 4 of 9.6.																
					90 nos	169.97	16997 00	X	90m	10m	1698 70	✓				
					10 nos	169.97										
					140 nos	169.97										

8-4-88 12.13

BOOK

MEASUREMENT-UP-TO-DATE						7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks	
1	2	3	4	5	6		Page	Quantity	Quantity Coils 5-8	Value at rate in Col. 6 Rs.		Ps.
PARTICULARS												
No.	L.	B.	D.	Contents or area	Rate							
24. 50.9.1.1												
Grounding and works on framework of 2000000's duty station building												
				1.148	✓							
				0.08	✓							
				1.228	✓							
GWP wire page 1 of 7.15.												
				88659.20	✓							
				m ²								
25. 50.9.5.1												
Grounding of station travelling on road												
				11.312	✓							
				2.262	✓							
GWP wire page 2 of 7.15.												
				13.574	✓							
				2329.98	✓							
				m								
				316.27	✓							
				15.96	✓							
				11.312 m	✓							
				2.262 m	✓							
				62.70	✓							
				4	✓							

BOOK

MEASUREMENT

(Rule) 28)

Rule) 28)										9		8		7		6		5				4				3				2				1				PARTICULARS		Remarks					
										Since last Measurement		Deduct Previous Measurements		Total value to date						MEASUREMENT-UP-TO-DATE																									
										Value at rate in Col. 6		Quantity		Rs.		Ps.						Contents or area				Rate																			
										Quantity Cols 5-8		Page		Rs.		Rs.																													
13.43																																													
Applying one coat of mud																																													
area of approx 1000 sq ft																																													
1 square foot on wall										1916.64		✓		99452.50								1916.64				✓																			
Qty pay 19 of 1.3.										1924.81		—		99878.39								1924.81				—																			
13.42.1																																													
Graveling wall with pebbles																																													
1 square foot approx																																													
Qty wall pgs. 26 of 1.3.																																													
Qty wall pgs. 28 of 1.3.										1050.08		✓		144322.99								1050.08				✓																			
										1050.08				144323.00																															
										1050.08				144323.00																															

MEASUREMENT

BOOK

[illegible]

BOOK

MEASUREMENT

No. 13 (Rule) 28)

PARTICULARS	1	2	3	4	MEASUREMENT-UP-TO-DATE				Total value to date Rs.	Deduct Previous Measurements		Since last Measurement		Remarks			
					No.	L.	B.	D.		Contents or area	Rate	Page	Quantity		Quantity Cols 5-8	Value at rate in Col. 6 Rs.	Ps.
Dir wall pgs 7 of 1.3-						249.09	X	✓									
Plr vide pgs 10 of 1.3.						128.51	X	307201 74	✓	X	10.024	48	(0.01)				
Total						1299.17	2.836.46	307199 39	84	831.51	101122	72	✓				
							m-										
13.16.1																	
Piston ring with Quilt motor 1:3																	
(Quilt 3 fire sand) 6 mm. thick																	
Plr vide pgs 8 of 1.3. 1033/16-17						390.249	X										
-du. 5/9 of 1.3.						277.96	X										
-du. 9/1 of 1.3.						5.04	X	✓		X							
Total						673.249	194.99	131876 88	84	390.249	283m	55182	17	✓			
							m-										

PARTICULARS	MEASUREMENT-UP-TO-DATE					Rate
	No.	L.	B.	D.	Contents or area	
5.2.2						
Reinforced Cant Concrete works in Wall						
1:1.5:3 @ 1 cum 1.5 coarse sand						
3 graded stone aggregate 20 mm max. size						
Qty. with pgs 8'2 of m.s. No 10B / 16-17					6.545 X	
Qty. with pgs 8'2 of m.s. No 10B / 16-17					1.92 X	
Qty. with pgs 8'2 of m.s. No 10B / 16-17					8.485 m	10840.75 m ²
15. 5.3						
Reinforced Cant Concrete works in beams, supported from rest						
Cant and 1:2:4						

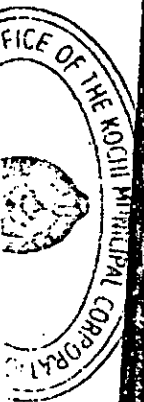
[illegible]

MEASUREMENT

MEASUREMENT-UP-TO-DATE

7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks
	Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
8243	18				
35781					
306898	34				

32



BOOK

o. 13 (Rule) 28)

[illegible]

BOOK

၆၆

1290 1.7.1

Construction of class room Building at Govt LPS School
 - Jaisam Jams
 CBEI - 31/5/15 Agreement 1164/8-12
 Date: 12.11.2019

MEASUREMENT

BOOK

Volume in 46

Date of Commencement - 31/05/2012
 Date of Completion - 13/9/2012

PARTICULARS	MEASUREMENT-UP-TO-DATE						7 Total value to date Rs.	8 Deduct Previous Measurements			9 Since last Measurement		Remarks
	No.	L.	B.	D.	Contents or area	Rate		Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6		
											Rs.	Ps.	
excavation by mechanical means - excavated / ground level in building													
Page 74 of 1163/12-17					167.245	382.99	38130	19	34	85.50m ³	81.945	18637.04	201
Laying in Position concrete final grade level ground													
1 Course sand & gravel													
Page 75 of 1163/12-17					39.059	6886.34	843194	61	35	30.50m ³	9.559	63891	24

State of Completion - 13/9/20130

[illegible]

BOOK

三

BOOK

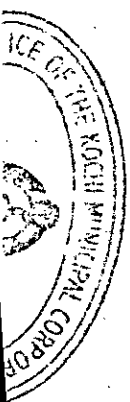
MEASUREMENT

No. 13 (Rule) 28)													
PARTICULARS	1	2	3	4	5	6	7	8			9		Remarks
								Deduct Previous Measurements			Since last Measurement		
								Page	Quantity		Quantity	Value at rate in Col. 6	
MEASUREMENT-UP-TO-DATE							Total value to date						
No.	L.	B.	D.		Contents or area	Rate	Rs.						
* Ambulatory well & water Provision													
external point with silene. addition of required													
Shades Exterior.													
1	3.20	2.50			7.68 /								
1x2	6.20	1.25			15.50 /								
1x1	3.20	2.10			6.72 /								
1x1	49.25	0.70			34.48 /								
Parapet wall outside													
1	48.25	0.70			33.78 /								
1	47.85	0.70			33.50 /								
1	3.20	0.70			2.24 /								
1	3.20	0.70			2.24 /								
1	30.05	0.70			21.39 /								

Charles M. Reed
9-20-26
Wm. J. J. 17

BOOK

25



PARTICULARS	1	2	3	4	5	6	7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks
	MEASUREMENT-UP-TO-DATE							Quantity Cols 5-8	Value at rate in Col. 6 Rs.	Ps.		
	No.	L.	B.	D.	Contents or area	Rate						
Wast	1	6.60		3.60	23.76							
Gravel Port	1	6.25		3.60	22.50							
Wastage Outside	1	22.40		1.15	25.76							
Wastage inside	1	22.20		1.15	25.53							
Wastage in side	125	24.80		3.60	446.40							
Gravelly in side	121	18.30		3.60	67.68							
Gravel					931.81							
Decorative												
Door	5	1.20		2.10	12.60							
Window	15	1.52		1.46	33.28							
Plaster	2	0.60		0.40	2.40							
Paint	2	3.20		0.10	13.44							
Gravel	704				57.80							

(e) 28)

MEASUREMENT

BOOK

21

PARTICULARS	1	2	3	4	5	6	7	8			9		Remarks		
	MEASUREMENT-UP-TO-DATE							Deduct Previous Measurements			Since last Measurement				
	No.	L.	B.	D.	Contents or area	Rate		Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs.	Ps.			
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
32															
33															
34															
35															
36															
37															
38															
39															
40															
41															
42															
43															
44															
45															
46															
47															
48															
49															
50															
51															
52															
53															
54															
55															
56															
57															
58															
59															
60															
61															
62															
63															
64															
65															
66															
67															
68															
69															
70															
71															
72															
73															
74															
75															
76															
77															
78															
79															
80															
81															
82															
83															
84															
85															
86															
87															
88															
89															
90															
91															
92															
93															
94															
95															
96															
97															
98															
99															
100															



12

MEASUREMENT

(Rule) 28)

41 of 7.3

MEASUREMENT

BOOK

18

PARTICULARS	MEASUREMENT-UP-TO-DATE						7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks
	1 No.	2 L.	3 B.	4 D.	5 Contents or area	6 Rate		Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
22000	10	6.20	0.40	0.10	24.80	X						
22000	1	4.35	1.20									
22000	1	19.60	8.95		175.42	X						
22000	1	6.90	13.50		91.74	X						
22000	1	3.00	3.59		10.77	X						
Total					1981.83							
22000	6	1.20		2.10	15.12	X						
22000	15	1.52		1.46	33.29	X						
22000	2	0.60		0.60	0.48							
22000	1	1.52		0.80	1.22	X						
22000	1	3.20		2.10	6.72	X						
22000					56.82							
22000					5683							



BOOK

MEASUREMENT

: 28)

PARTICULARS	MEASUREMENT-UP-TO-DATE						7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks	
	1	2	3	4	5	6		Page	Quantity	Quantity Cols 5-8	Rs.		Ps.
Cable	1	1.20		0.41	0.492	X							
	1	3.20		1.20	3.84	X							
Height for	1	3.45		1.20	4.14	X							
Sanitary	1	30.28		0.30	21.196	X							
Ordnance	1	13.65		0.30	9.55	X							
Ward	1	4.15		0.70	2.905	X							
	1	8.62		0.70	6.034	X							
	1	23.80		0.80	19.040	X							
Machine base	1	24.00		0.50	21.60	X							
Pillar	7	2.10		0.65	9.55	X							
Grass base 13th	24	1.40		0.40	8.640	X							
Grass base 13th	1	82.70		0.27	22.329	X							
Safe slab program					1678.84								
					1570.11								

BOOK

MEASUREMENT

Rule 28)

PARTICULARS	MEASUREMENT-UP-TO-DATE						Rate
	1	2	3	4	5	6	
	No.	L.	B.	D.	Contents or area		
	1	3.60		2.10	7.56 ✓		
	1	3.20		2.10	6.72 ✓		
	1	3.20		2.40	7.68 ✓		
	2	6.20		1.25	15.50 ✓		
	1	3.20		2.10	6.72 ✓		
	1	49.25		0.70	34.48 ✓		
	1	48.25		0.70	33.78 ✓		
	1	47.85		0.70	33.50 ✓		
	1	3.20		0.70	2.24 ✓		
	1	3.20		0.70	2.24 ✓		
	1	30.45		0.70	21.04 ✓		
	1	30.55		0.70	21.39 ✓		
					1184.23		
					1184.23		

MEASUREMENT-UP-TO-DATE

Total value to date Rs.

Page

Quantity

Deduct Previous Measurements

Since last Measurement

Quantity Cols 5-8

Value at rate in Col. 6

Rs.

Ps.

Remarks

MEASUREMENT

BOOK

PARTICULARS	MEASUREMENT-UP-TO-DATE						7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks
	1	2	3	4	5	6		Page	Quantity	Quantity Cols 5-8	Value at r ate in Col . 6 Rs. Ps.	
No.	L.	B.	D.	Contents or area	Rate							
13.43.												
Applying One coat of Cement plaster of approved brand and manufacture on wall surface.												
out side of basement South side.	1	8.65		0.60	5.19	X						
Red. first	1	29.10		1.19	34.48	X						
North side	1	13.07		1.12	14.64	X						
West	1	6.67		0.73	4.54	X						
North front	1	4.65		0.73	3.37	X						
Unroofed	1	22.40		3.60	80.64	X						
Roof	1	6.62		3.60	23.93	X						
					166.99	X						

25



BOOK

[illegible]

Chick received 8-617

MEASUREMENT

BOOK

٢

[illegible]

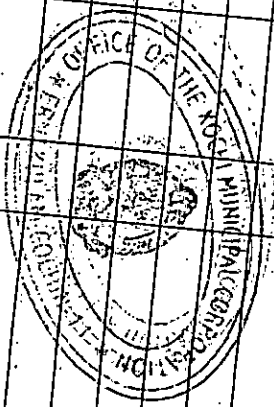
(e) 28)

MEASUREMENT

PARTICULARS

BOOK

1	2	3	4	5	6	7	8		9		Remarks	
							Deduct Previous Measurements		Since last Measurement			
No.	L	B	D	Contents or area	Rate	Total value to date Rs.	Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs.	Ps.	
MEASUREMENT-UP-TO-DATE												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												
61												
62												
63												
64												
65												
66												
67												
68												
69												
70												
71												
72												
73												
74												
75												
76												
77												
78												
79												
80												
81												
82												
83												
84												
85												
86												
87												
88												
89												
90												
91												
92												
93												
94												
95												
96												
97												
98												
99												
100												



3 (Rule) 28)		Ch		11/7/17		3		4		5		6		7		8		9		Remarks	
PARTICULARS		MEASUREMENT-UP-TO-DATE										Total value to date Rs.		Deduct Previous Measurements Page		Quantity Cols 5-8		Since last Measurement Value at rate in Col. 6 Rs. Ps.			
		No.	L.	B.	D.	Contents or area	Rate														
Plastering with coat mortar 1:3 (1 coat)		1	19.60	8.95		175.42															
finer sand) brick work including a wall mortar		1	6.90	13.30		91.77															
brick work		1	3.00	3.59		10.77															
Total						277.96									46 pgs 37 of 73						

N

Remarks

2 of work Construction of class Room Building at Grant LPS school
 2 of Contractor - Jainom Jany
 2.13 (Rule) 28) KR-3118/15 Agreement No 1164/16-17 MEASUREMENT

Memorandum in Div-46

BOOK

Page 1

MEASUREMENT-UP-TO-DATE										8		9		Remarks
1	2	3	4	5	6	7	Deduct Previous Measurements		Since last Measurement		Value at rate in Col. 6	Rs.		
							Page	Quantity	Quantity	Cols 5-8				
PARTICULARS														
No.	L.	B.	D.	Contents or area	Rate									

CC

BOOK

MEASUREMENT

(Rule) 28)

Order No. _____

Payment Order
Amount of \$26,833.58

Printed for Guy R. Newsome
049273/James

Deduction in $\mathcal{L}_{\text{ind}}$ = $\mathcal{L}_{\text{ind}}$ - $\mathcal{L}_{\text{ind}}$ = $\mathcal{L}_{\text{ind}}$

Pay by Cheque to... bill 314 bill 314 bill 314

11 Vennah: 5/2

1/2

Secretary /

⑤

22

1

7

1

1

1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

100

1990

100

100

MEASUREMENT

BOOK

PARTICULARS

No.

1

2

3

4

5

6

7

8

9

93

MEASUREMENT-UP-TO-DATE

No.

L.

B.

D.

Contents
or area

Rate

Total value to
date
Rs.Deduct Previous Measurements
Page QuantitySince last Measurement
Quantity
Cols 5-8
Value at rate in Col. 6
Rs.
Ps.

Remarks

1. T 1/8

Kruze 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

1. T 1/8

SUPERINTENDING ENGINEER
Municipal Corporation of CochinMURALEE MOHANAN E.N.
Assistant Executive Engineer
L.S.G.D.MUNICIPAL CORPORATION OF COCHIN
OVERSEER

MEASUREMENT

BOOK

No.	L.	B.	D.	MEASUREMENT-UP-TO-DATE		Total value to date Rs.	8		9		Remarks
				Contents or area	Rate		Deduct Previous Measurements	Quantity	Since last Measurement Quantity Cols 5-8 Value at rate in Col. 6 Rs. Ps.		
1	2	3	4	5	6	7					
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											
71											
72											
73											
74											
75											
76											
77											
78											
79											
80											
81											
82											
83											
84											
85											
86											
87											
88											
89											
90											
91											
92											
93											
94											
95											
96											
97											
98											
99											
100											

15 work in hand
 having slope up to 150
 finished 485 1: 15:3
 1 9 goodly 999m 942
 of 7.9
 of 1.3
 13.
 0.617
 8.847
 48.899
 58.363
 11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

11.270
 11.3

e) 28)

MEASUREMENT

BOOK

PARTICULARS							MEASUREMENT-UP-TO-DATE						90	
1	2	3	4	5	6		8		9		Remarks			
							Deduct Previous Measurements		Since last Measurement					
No.	L.	B.	D.	Contents or area	Rate		Page	Quantity	Value at rate in Col. 6	Rs.	Ps.			
vide page 1 of 913				248.00	11.60									
4- Demolishing brick														
vide page 15 of 913				47.88 m ²	109.62									
2-1														
lydig painting Cont with redy mixed														
00 gony phime of approved brand.														
for stone.	5	1.20	2.25	28.62										
windlass	15	1.52	1.25	41.89										
Wetters	2	0.60	1.25	0.60										
Total				71.11 m ²	11.60									

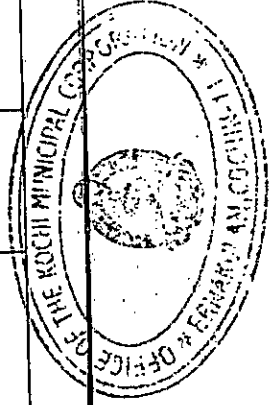
90

BOOK

MEASUREMENT

(e) 28)

PARTICULARS		1	2	3	4	5	6	MEASUREMENT-UP-TO-DATE		8		9		Remarks
No.	L.	B.	D.	Contents or area	Rate	Total value to date Rs.	Deduct Previous Measurements		Quantity Cols 5-8	Since last Measurement				
							Page	Quantity		Rs.	Ps.			
2.2	Nominal concrete 1:4:8													
	W.R. page No. 7				16.05 m	196.90	18798 21							
2.1														
	setting doors and windows													
	W.R. page 4 of 7.5.				15.05 m 15.05 m	3062 05								
4.2	Disinfecting wood works in house													
	res. problems - and floor tiles													
	W.R. page 3 of 7.5				11.69 m	11584 79								
3.1	Disinfecting tiled masonry													



[illegible]

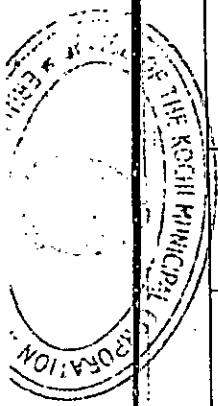
c. 13 (Rule) 28)

MEASUREMENT

PARTICULARS	1	2	3	4	5	6
	MEASUREMENT-UP-TO-DATE					
	No.	L.	B.	D.	Contents or area	Rate
cup glassing in panel at provided glass shutter.					not done	
4.53. Providing 40x50mm hollow mild steel 40 cm long including fixing					90 Nos.	167.27
Qty used Page 45 of 75						
10.25.2						
8mm work added in built up section						
6. Final work.						
Qty used Page 44 of 83					465.2615	42.44
13.48.2 finishing with Dulux white					not done	

BOOK

7	8			9		Remarks
Total value to date Rs.	Deduct Previous Measurements		Since last Measurement			
	Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.		



BOOK

MEASUREMENT

Form No. 13 (Rule) 28)

Item No	PARTICULARS	MEASUREMENT-UP-TO-DATE						Rate
		1	2	3	4	5	6	
		No.	L.	B.	D.	Contents or area		
						note for		
24.	Small repairs							
	9.1.1							
	Providing wood work in form of doors							
	& windows -							
1.207	Qty. W.D. Pipe A 3 of T. 12.					1.148 m		
25	9.3.1							
	providing & fixing parallel and glassed							
	structure for storm and window							
26	Qty. W.D. Pipe 75 of T. 13					11.312 m		
	9.4.1							
	providing & fixing parallel							

8

Deduct Previous Measurements

Page

Quantity

Since last Measurement

Value at rate in Col. 6

Rs.

Ps.

Remarks

Total value to date

Rs.

101781 35-X

26356 73

53891 90

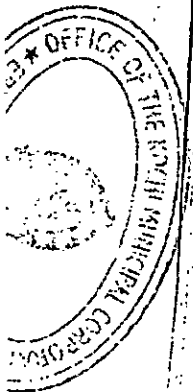
PARTICULARS

MEASUREMENT

BOOK

MEASUREMENT-UP-TO-DATE

1	2	3	4	5	6	7	8		9		10
No.	L	B	D	Contents or area	Rate	Total value to date Rs.	Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs.	Remarks
Some glass and tiles belonging to 1515632											
2.25					14.71						
(Excluding work in the above Part 8th of building etc)											
Plaster per 48 of 7.3.											
50.9-11	13.43			154.71	187.376	16352.35					
Reminding about work applying on cost of											
very poor											
3.47.1. Reminding will with nearby											



11. 36	permilling and fixing 1st quality-
--------	------------------------------------

MEASUREMENT

ILARS

MEASUREMENT

BOOK

MEASUREMENT-UP-TO-DATE

No. L B. D. Contents or area Rate

Total value to date Rs.

Deduct Previous Measurements

Since last Measurement
Quantity Cols 5-8
Value at rate in Col. 6
Rs. Ps.

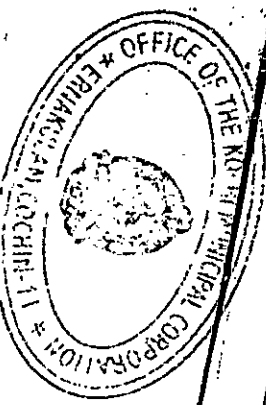
Remarks

15 of 7.3.
21 of 4.3.
28 of 7.5.
Total

16.957
3.220
13.851
34.028

306892.74

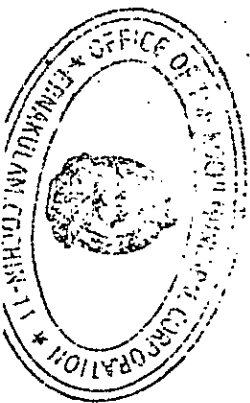
General work
the locality
to him - 1000
1.5 can be
assigned



MEASUREMENT

BOOK

PARTICULARS	1	2	3	4	5	6	7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks
	MEASUREMENT-UP-TO-DATE							Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
	No.	L	B.	D.	Contents or area	Rate						
Vide Page 18 of 7.8.					48.30 ✓							
Vide Page 30 of 7.8					70.035 ✓	X						
Vide Page 56 of 7.8.					31.56 ✓	96/5						
704					149.895 149.00	10/5	92288.34 X					
Lowest to about 7/4												
Chair (excluding kneeling chair)												
Chair Case												
Vide Page 31 of 7.8.					10.877 ✓	1						
Vide Page 56 of 7.8					8.572 ✓	1						
704					19.449	10/5						
					11 m ²	5/5	6300.14 X					
5.1												



[illegible]

MEASUREMENT

BOOK

MEASUREMENT							BOOK				
1	2	3	4	5	6	Total value to date Rs.	8		9		Remarks
MEASUREMENT-UP-TO-DATE							Deduct Previous Measurements		Since last Measurement		
No.	L.	B.	D.	Contents or area	Rate		Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
ARS											
	17 of 1.13			47.774	88						
	20 of 7.3			23.169	88						
				70.943 m ²	9/11/10						
	Total		Lin	56.0002		204186 84					

Book

25

[illegible]

Dtd of receipt. 31/05/17 7A

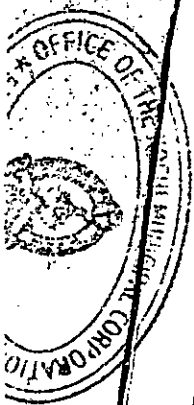
MEASUREMENT

MEASUREMENT		5	6
work: Construction of class room Building at Govt.	Agent No. 1164/18-17		
31/8/15			

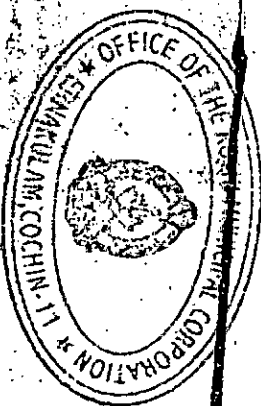
[illegible][illegible]

MEASUREMENT

BOOK.

[illegible]

BOOK

[illegible]

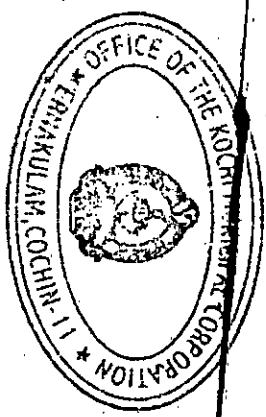
RTICULARS

MEASUREMENT

BOOK

69

MEASUREMENT-UP-TO-DATE										63	
No.	L.	B.	D.	Contents or area	Rate	7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks
							Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
Vth Count number 113 (Count 3 pice Sd.)											
including count Count Flushing Cost											
2. Allg Room	1x5	6.20	6.20		192.20 ✓						
2.55 Room	5x2	6.20	0.40		24.80 ✓						
1. Panaktha	1x1	22.28	1.80		39.96 ✓						
2.55.00 Cabin	1x1	3.20	1.24		3.968 ✓						
"	1x1	1.20	0.41		0.492 ✓						
Height 1st	1x1	3.20	1.20		3.840 ✓						
2.55.00 Shunde	1x1	3.45	1.20		4.140 ✓						
2.55.00 Shunde	1x1	30.28	0.70		21.196 ✓						
2.55.00 Shunde	1x1	13.65	0.70		9.555 ✓						



Handwritten signature and date at the bottom left of the page.

BOOK

MEASUREMENT

ule) 28)

MEASUREMENT-UP-TO-DATE						Rate
1	2	3	4	5	6	
No.	L.	B.	D.	Contents or area		
1.8						
Particulars Laying in position about concrete - specified grade excluding the cost of formwork and shuttering - All work up to plinth and 1:1.5:8 (1 cum) of concrete and 8 girders 5 6.20 6.20 0.10 19.220 ✓ 1 2.95 6.00 0.10 1.770 ✓ 1 22.20 1.80 0.10 3.996 ✓ 24.996 m ³ ✓ Total 22.440 ✓ 1 22.440 0.75 0.10 1.68 ✓ 26.126 m ³ ✓ For Shuttering 105/14 9 and 26.126 m ³						

No page 75 of 113

Total
 for Shells
 20/10/11
 20/10/11

Chulamed P-65667

ICULARS

MEASUREMENT

No. L. B. D. Contents or area Rate

MEASUREMENT-UP-TO-DATE

204 24x1/2 1.20 0.30 0.15 0.648

48.899 m

204 24x1/2 1.20 0.30 0.15 0.648

48.899 m

204 24x1/2 1.20 0.30 0.15 0.648

48.899 m

204 24x1/2 1.20 0.30 0.15 0.648

48.899 m

204 24x1/2 1.20 0.30 0.15 0.648

48.899 m

204 24x1/2 1.20 0.30 0.15 0.648

48.899 m

204 24x1/2 1.20 0.30 0.15 0.648

48.899 m

204 24x1/2 1.20 0.30 0.15 0.648

48.899 m

204 24x1/2 1.20 0.30 0.15 0.648

BOOK

Total value to date

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

Rs.

67

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks



Copy No. 6364

11/5/17

MEASUREMENT

MEASUREMENT-UP-TO-DATE

BOOK

B.	D.	Contents or area	Rate
0.25	0.72	0.115	✓
0.20	1.15	0.138	✓
		2.019	✓

Total value to
date
Rs.

Deduct Previous Measurements

Quantity

Quantity
Cols 5-8

Since last Measurement
Value at rate in Col. 6
Rs. Ps.

Remarks

Up Page 82 of 115

64



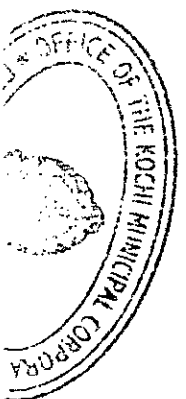
MEASUREMENT-UP TO DATE						7		8		Since last Measurement		Remarks
1	2	3	4	5	6	Total value to date Rs.	Page	Quantity	Quantity Cols 5-8	Rs.	P.s.	
No.	L.	B.	D.	Contents or area	Rate							
	m											
	Actual											
	and story											
	windward											
	Cover up to											
	road											
	high road											
	3 plant 1.											
	Blown eggs and b											
	24	0.40	0.20	0.92	1.766 ✓							

67 to 62

B.	D.	Contents or area	Rate

52

40 pgs 83 of 13



BOOK

MEASUREMENT

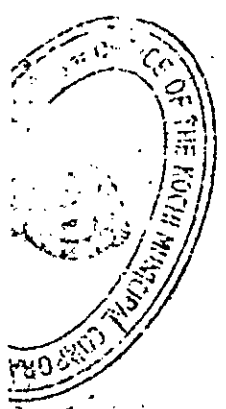
CULARS		MEASUREMENT-UP-TO-DATE					7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks	
		1	2	3	4	5		6	Page	Quantity	Rs.		Ps.
No.	L.	B.	D.	Contents or area	Rate								
T2, T4 20mm dia	1x3	6.60		2.466	48.826								
bottom 16mm dia	1x2	6.60		1.578	30.829								
20mm	1x2	1.55		2.466	7.644								
4/3 8mm	1x36	1.21		0.395	17.206								
W top 20mm	2x7	2.15		2.466	74.226								
up 1/2 20mm	6	0.65		2.466	9.617								
16mm dia	8	0.85		1.578	8.205								
8mm dia	6x13	8.80		0.395	271.138								
8mm dia	6x10	8.95		0.395	212.115								
Extension 8mm	6x21	1.10		0.395	54.747								
dist 8mm dia	2x23	3.50		0.395	190.785								
Circle 8mm	6x22	3.65		0.395	190.311								

700-485

MEASUREMENT

BOOK

No.	L	B	MEASUREMENT UP TO DATE		Rate	Total value to date Rs.	Deduct Previous Measurements		Since last Measurement		Remarks
			Contents or area	Date			Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs.	
42			20 mm ² 5x2		6.55						
			15 mm ² 5x2		6.55						
			20 mm ² 5x2		6.55						
			15 mm ² 5x2		6.55						
			5x36	1.55							
			5x36	1.21							
			2.466	1.578	441.882						
			2.466	1.03.359							
			0.395	38.223							
			86.031								
			2x3	29.00							
			2x2	29.10							
			2x2	1.35							
			2.466	429.082							
			1.578	183.679							
			2.466	13.316							
			0.395	148.164							



MEASUREMENT

BOOK

60

RS		1	2	3	4	5	6	7	8		9		Remarks
MEASUREMENT UP TO DATE							Total value to date Rs.	Deduct Previous Measurements		Since last Measurement			
No.	L.	B.	D.	Contents or area	Rate	Page		Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs.	Ps.		
Ta 20mm 1x3	6.60		2.466	48.826									
16mm 1x2	6.60		1.578	20.829									
20mm 1x2	1.55		2.466	7.644									
8mm 1x36	1.21		0.395	17.206									
20mm 2x7	2.15		2.466	74.226									
20mm 2	0.65		2.466	9.617									
16mm 8	0.65		1.578	8.205									
20mm 10x13	8.80		0.395	271.128									
20mm 10x10	8.95		0.395	212.115									
20mm 10x21	1.10		0.395	54.747									
20mm 10x23	3.50		0.395	190.785									
16mm 10x22	2.65		0.395	190.311									

BOOK

MEASUREMENT

MEASUREMENT UP TO DATE						7 Total value to date Rs.	8 Deduct Previous Measurements		Since last Measurement		Remarks
1	2	3	4	5	6		Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs.	
3											
No.	L.	B.	D.	Contents or area	Rate						
Ta 20mnd 1x2	6.60		2.466	48.826							
16mnd 1x2	6.60		1.578	20.829							
20mnd 1x2	1.55		2.466	7.641							
8mnd 1x36	1.21		0.395	1.17.206							
20mnd 2x7	2.15		2.466	74.226							
20mnd 2x8	0.65		2.466	9.617							
16mnd 8	0.65		1.578	8.205							
10x13	8.80		0.395	271.128							
10x10	8.75		0.395	212.115							
10x21	1.10		0.395	54.747							
10x23	3.50		0.395	190.785							
10x22	3.65		0.395	190.311							

BOOK

MEASUREMENT

“(Rule) 28)

PARTICULARS

MEASUREMENT

BOOK

57

No.	L.	B.	D.	MEASUREMENT-UP-TO-DATE		Rate	Total value to date Rs.	Deduct Previous Measurements		Since last Measurement		Remarks
				Contents or area				Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
1	2	3	4	5	6	7	8	9	10	11	12	13
ut for Rec work w/ing Time by checked from building drawings up and placed in parking area Computed up to present building 16 and Street side ut. A1, A2, A3 C1, C2, C3 E1, E2, E3 G1, G2, G3 20 mm 16 mm												
	4x3	8.55				8.466	853.011					
	4x2	8.65				1.578	13.396					



BOOK

MEASUREMENT

Chakraborty 53656
P-53656

PARTICULARS	MEASUREMENT-UP-TO-DATE					7	8		9		Remarks
	No.	L.	B.	D.	Contents or area.		Quantity	Page	Quantity	Value at rate in Col. 6 Rs. Ps.	
Form for edges of slabs etc											
Cracks for forms and wall under											
wide (5.9.16.1)											
Side wall all around	1	82.55	0.12		9.906	40 pgs 80 of 9.5					
9.2											
in and shoring including formwork											
for 45 and amount of form for											
Cases:											
Shd Shoring	1	4.35	1.20		5.22						
Side	1	4.35	0.15		0.652						
for shuy	15	1.20	0.15		2.70	40 pgs 79 of 9.5					
	7.24				8.572						

Chakraborty
53656

TICULARS

MEASUREMENT

BOOK

[illegible]

MEASUREMENT	4
-------------	---

BOOK



BOOK

MEASUREMENT

13 (Rule) 28)

Chak no 38 to 50

MEASUREMENT-UP-TO-DATE

PARTICULARS

No.

L.

B.

D.

Contents or area

Rate

Vaulty 8000 side

South East side

North side

West side

South

North

[Signature]

9

Since last Measurement

Value at rate in Col. 6

Rs.

Quantity

Cols 5-8

8

Deduct Previous Measurements

Quantity

Page

7

Total value to date

Rs.

Remarks

cb page 91 of 113

1.80 0.20 0.35 0.126 1.635

30.28 0.60 0.10 0.09 1.737

13.65 0.60 0.09 0.224 1.465

4.15 0.60 0.09 0.465 1.449

8.62 0.60 0.09 1.449 10.521

23.00 0.70 0.09 8.847

	MEASUREMENT
1	

BOOK

[illegible]

BOOK

MEASUREMENT						BOOK									
MEASUREMENT-UP TO DATE						7		8		9		Remarks			
1	2	3	4	5	6	Total value to date Rs.		Deduct Previous Measurements	Quantity Cols 5-8	Value at rate in Col. 6	Ps.				
PARTICULARS						No.	L.	B.	D.	Contents or area	Rate				
e) 28)															
	erding and in the ending including opening and closing of form for														
	pping 405 and removal of form for														
	na, pillars, piers, abutments, etc.														
	24					1.20	0.92			26.496					
	4					0.80	0.72			2.304					
	3					0.80	1.15			2.760					
	for bulk columns									31.560					
	7.04														
	5.2.2.6														
	in present work for 200 work unit														
	no machinery provided for work														
	used and provided in present														
	for 8m of work for 200 work unit									0.395	49.770				

Chp page 79 of 7.8.

495

MEASUREMENT	
4	

BOOK

MEASUREMENT						BOOK						
1	2	3	4	5	6	7		8		9		Remarks
No.	L.	B.	D.	Contents or area	Rate.	Total value to date Rs.	Deduct Previous Measurements	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs.	Ps.	
10.10.15 cm 1.38 m/s 1.12 m/s												
2. 10.10.15 cm 1.38 m/s 1.12 m/s												
3. 10.10.15 cm 1.38 m/s 1.12 m/s												
4. 10.10.15 cm 1.38 m/s 1.12 m/s												
5. 10.10.15 cm 1.38 m/s 1.12 m/s												
6. 10.10.15 cm 1.38 m/s 1.12 m/s												
7. 10.10.15 cm 1.38 m/s 1.12 m/s												
8. 10.10.15 cm 1.38 m/s 1.12 m/s												
9. 10.10.15 cm 1.38 m/s 1.12 m/s												
10. 10.10.15 cm 1.38 m/s 1.12 m/s												
11. 10.10.15 cm 1.38 m/s 1.12 m/s												
12. 10.10.15 cm 1.38 m/s 1.12 m/s												
13. 10.10.15 cm 1.38 m/s 1.12 m/s												
14. 10.10.15 cm 1.38 m/s 1.12 m/s												
15. 10.10.15 cm 1.38 m/s 1.12 m/s												
16. 10.10.15 cm 1.38 m/s 1.12 m/s												
17. 10.10.15 cm 1.38 m/s 1.12 m/s												
18. 10.10.15 cm 1.38 m/s 1.12 m/s												
19. 10.10.15 cm 1.38 m/s 1.12 m/s												
20. 10.10.15 cm 1.38 m/s 1.12 m/s												
21. 10.10.15 cm 1.38 m/s 1.12 m/s												
22. 10.10.15 cm 1.38 m/s 1.12 m/s												
23. 10.10.15 cm 1.38 m/s 1.12 m/s												
24. 10.10.15 cm 1.38 m/s 1.12 m/s												
25. 10.10.15 cm 1.38 m/s 1.12 m/s												
26. 10.10.15 cm 1.38 m/s 1.12 m/s												
27. 10.10.15 cm 1.38 m/s 1.12 m/s												
28. 10.10.15 cm 1.38 m/s 1.12 m/s												
29. 10.10.15 cm 1.38 m/s 1.12 m/s												
30. 10.10.15 cm 1.38 m/s 1.12 m/s												
31. 10.10.15 cm 1.38 m/s 1.12 m/s												
32. 10.10.15 cm 1.38 m/s 1.12 m/s												
33. 10.10.15 cm 1.38 m/s 1.12 m/s												
34. 10.10.15 cm 1.38 m/s 1.12 m/s												
35. 10.10.15 cm 1.38 m/s 1.12 m/s												
36. 10.10.15 cm 1.38 m/s 1.12 m/s												
37. 10.10.15 cm 1.38 m/s 1.12 m/s												
38. 10.10.15 cm 1.38 m/s 1.12 m/s												
39. 10.10.15 cm 1.38 m/s 1.12 m/s												
40. 10.10.15 cm 1.38 m/s 1.12 m/s												
41. 10.10.15 cm 1.38 m/s 1.12 m/s												
42. 10.10.15 cm 1.38 m/s 1.12 m/s												
43. 10.10.15 cm 1.38 m/s 1.12 m/s												
44. 10.10.15 cm 1.38 m/s 1.12 m/s												
45. 10.10.15 cm 1.38 m/s 1.12 m/s												
46. 10.10.15 cm 1.38 m/s 1.12 m/s												
47. 10.10.15 cm 1.38 m/s 1.12 m/s												
48. 10.10.15 cm 1.38 m/s 1.12 m/s												
49. 10.10.15 cm 1.38 m/s 1.12 m/s												
50. 10.10.15 cm 1.38 m/s 1.12 m/s												
51. 10.10.15 cm 1.38 m/s 1.12 m/s												
52. 10.10.15 cm 1.38 m/s 1.12 m/s												
53. 10.10.15 cm 1.38 m/s 1.12 m/s												
54. 10.10.15 cm 1.38 m/s 1.12 m/s												
55. 10.10.15 cm 1.38 m/s 1.12 m/s												
56. 10.10.15 cm 1.38 m/s 1.12 m/s												
57. 10.10.15 cm 1.38 m/s 1.12 m/s												
58. 10.10.15 cm 1.38 m/s 1.12 m/s												
59. 10.10.15 cm 1.38 m/s 1.12 m/s												
60. 10.10.15 cm 1.38 m/s 1.12 m/s												
61. 10.10.15 cm 1.38 m/s 1.12 m/s												
62. 10.10.15 cm 1.38 m/s 1.12 m/s												
63. 10.10.15 cm 1.38 m/s 1.12 m/s												
64. 10.10.15 cm 1.38 m/s 1.12 m/s												
65. 10.10.15 cm 1.38 m/s 1.12 m/s												
66. 10.10.15 cm 1.38 m/s 1.12 m/s												
67. 10.10.15 cm 1.38 m/s 1.12 m/s												
68. 10.10.15 cm 1.38 m/s 1.12 m/s												
69. 10.10.15 cm 1.38 m/s 1.12 m/s												
70. 10.10.15 cm 1.38 m/s 1.12 m/s												
71. 10.10.15 cm 1.38 m/s 1.12 m/s												
72. 10.10.15 cm 1.38 m/s 1.12 m/s												
73. 10.10.15 cm 1.38 m/s 1.12 m/s												
74. 10.10.15 cm 1.38 m/s 1.12 m/s												
75. 10.10.15 cm 1.38 m/s 1.12 m/s												
76. 10.10.15 cm 1.38 m/s 1.12 m/s												
77. 10.10.15 cm 1.38 m/s 1.12 m/s												
78. 10.10.15 cm 1.38 m/s 1.12 m/s												
79. 10.10.15 cm 1.38 m/s 1.12 m/s												
80. 10.10.15 cm 1.38 m/s 1.12 m/s												
81. 10.10.15 cm 1.38 m/s 1.12 m/s												
82. 10.10.15 cm 1.38 m/s 1.12 m/s												
83. 10.10.15 cm 1.38 m/s 1.12 m/s												
84. 10.10.15 cm 1.38 m/s 1.12 m/s												
85. 10.10.15 cm 1.38 m/s 1.12 m/s												
86. 10.10.15 cm 1.38 m/s 1.12 m/s												
87. 10.10.15 cm 1.38 m/s 1.12 m/s												
88. 10.10.15 cm 1.38 m/s 1.12 m/s												
89. 10.10.15 cm 1.38 m/s 1.12 m/s												
90. 10.10.15 cm 1.38 m/s 1.12 m/s												
91. 10.10.15 cm 1.38 m/s 1.12 m/s												
92. 10.10.15 cm 1.38 m/s 1.12 m/s												
93. 10.10.15 cm 1.38 m/s 1.12 m/s												
94. 10.10.15 cm 1.38 m/s 1.12 m/s												
95. 10.10.15 cm 1.38 m/s 1.12 m/s												
96. 10.10.15 cm 1.38 m/s 1.12 m/s												
97. 10.10.15 cm 1.38 m/s 1.12 m/s												
98. 10.10.15 cm 1.38 m/s 1.12 m/s												
99. 10.10.15 cm 1.38 m/s 1.12 m/s												
100. 10.10.15 cm 1.38 m/s 1.12 m/s												



MEASUREMENT

[illegible]

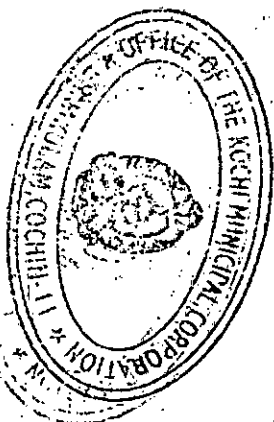
MEASUREMENT										9			Remarks
MEASUREMENT-UP-TO-DATE						Deduct Previous Measurements		Since last Measurement					
						Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6. Rs. Ps.				
1	2	3	4	5	6	7		8		9			
No.	L.	B.	D.	Contents or area	Rate	Total value to date Rs.							
4	0.45			1.578	2.840 ✓								
20	0.45			0.888	7.992 ✓								
30	0.45			0.395	5.332 ✓								
					717.202 ✓								
C/O Pge 83 of 1.8													
26/10/17													

PARTICULARS

MEASUREMENT

BOOK

MEASUREMENT UP TO DATE										BOOK	
No.	L.	B.	D ² /4	Contents or area	Rate	Total value to date Rs.	Deduct Previous Measurements		Since last Measurement		Remarks
							Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
1	new sld 12mwp										
2	new sld 8mwp	1x4	8.55								
3	old sld 8mwp	1x280	0.65	0.8888	30.369						
4	old sld 8mwp	1x150	0.85	0.395	71.840						
5	old sld 8mwp	1x4	28.58	0.395	50.362						
6	old sld 8mwp	1x91	0.75	0.395	35.550						
7	old sld 8mwp	1x4	13.65	0.395	26.938						
8	old sld 8mwp	1x4	460	0.395	21.567						
9	old sld 8mwp	1x222	0.75	0.395	7.268						
10	old sld 8mwp	1x4	8.62	0.395	6.813						
11	old sld 8mwp	1x50	0.75	0.395	13.619						
12	old sld 8mwp	1x4	30.28	0.395	14.812						
13	old sld 8mwp	1x170	0.75	0.395	47.842						
14	old sld 8mwp			0.395	50.362						



BOOK

MEASUREMENT

ile) 28)

PARTICULARS	1	2	3	4	5	6	7	8		9		Remarks	
								Deduct Previous Measurements		Since last Measurement			
								Page	Quantity	Quantity	Value at rate in Col. 6		
	No.	L.	B.	D.	Contents or area	Rate	Total value to date Rs.			Rs.	Ps.		
2.6.													
Basement work for R.C.C. work lining													
me - Mechanically treated bars bent													
and placed in position for to													
up and bent at 90° and glue-													
down for variation.													
bottom 12mm 16mm ϕ	1x2	22.50		1.578	71.010								
Top 12mm ϕ	1x2	22.50		0.888	39.960								
Shop: 8mm ϕ	1x10	0.98		0.395	42.581								
for 12mm bar	1x4	30.18		0.888	107.199								
12mm ϕ	1x4	13.60		0.888	48.307								
12mm ϕ	1x4	4.10		0.888	14.563								

Particulars

MEASUREMENT

BOOK

No.	L.	B.	D.	MEASUREMENT UP TO DATE		Rate	Total value to date Rs.	Deduct Previous Measurements		Since last Measurement		Remarks
				Contents or area	5			Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
1	2	3	4	5	6	7	8	9	10	11	12	13
2	3	4	5	6	7	8	9	10	11	12	13	14
3	4	5	6	7	8	9	10	11	12	13	14	15
4	5	6	7	8	9	10	11	12	13	14	15	16
5	6	7	8	9	10	11	12	13	14	15	16	17
6	7	8	9	10	11	12	13	14	15	16	17	18
7	8	9	10	11	12	13	14	15	16	17	18	19
8	9	10	11	12	13	14	15	16	17	18	19	20
9	10	11	12	13	14	15	16	17	18	19	20	21
10	11	12	13	14	15	16	17	18	19	20	21	22
11	12	13	14	15	16	17	18	19	20	21	22	23
12	13	14	15	16	17	18	19	20	21	22	23	24
13	14	15	16	17	18	19	20	21	22	23	24	25
14	15	16	17	18	19	20	21	22	23	24	25	26
15	16	17	18	19	20	21	22	23	24	25	26	27
16	17	18	19	20	21	22	23	24	25	26	27	28
17	18	19	20	21	22	23	24	25	26	27	28	29
18	19	20	21	22	23	24	25	26	27	28	29	30
19	20	21	22	23	24	25	26	27	28	29	30	31
20	21	22	23	24	25	26	27	28	29	30	31	32
21	22	23	24	25	26	27	28	29	30	31	32	33
22	23	24	25	26	27	28	29	30	31	32	33	34
23	24	25	26	27	28	29	30	31	32	33	34	35
24	25	26	27	28	29	30	31	32	33	34	35	36
25	26	27	28	29	30	31	32	33	34	35	36	37
26	27	28	29	30	31	32	33	34	35	36	37	38
27	28	29	30	31	32	33	34	35	36	37	38	39
28	29	30	31	32	33	34	35	36	37	38	39	40
29	30	31	32	33	34	35	36	37	38	39	40	41
30	31	32	33	34	35	36	37	38	39	40	41	42
31	32	33	34	35	36	37	38	39	40	41	42	43
32	33	34	35	36	37	38	39	40	41	42	43	44
33	34	35	36	37	38	39	40	41	42	43	44	45
34	35	36	37	38	39	40	41	42	43	44	45	46
35	36	37	38	39	40	41	42	43	44	45	46	47
36	37	38	39	40	41	42	43	44	45	46	47	48
37	38	39	40	41	42	43	44	45	46	47	48	49
38	39	40	41	42	43	44	45	46	47	48	49	50
39	40	41	42	43	44	45	46	47	48	49	50	51
40	41	42	43	44	45	46	47	48	49	50	51	52
41	42	43	44	45	46	47	48	49	50	51	52	53
42	43	44	45	46	47	48	49	50	51	52	53	54
43	44	45	46	47	48	49	50	51	52	53	54	55
44	45	46	47	48	49	50	51	52	53	54	55	56
45	46	47	48	49	50	51	52	53	54	55	56	57
46	47	48	49	50	51	52	53	54	55	56	57	58
47	48	49	50	51	52	53	54	55	56	57	58	59
48	49	50	51	52	53	54	55	56	57	58	59	60
49	50	51	52	53	54	55	56	57	58	59	60	61
50	51	52	53	54	55	56	57	58	59	60	61	62
51	52	53	54	55	56	57	58	59	60	61	62	63
52	53	54	55	56	57	58	59	60	61	62	63	64
53	54	55	56	57	58	59	60	61	62	63	64	65
54	55	56	57	58	59	60	61	62	63	64	65	66
55	56	57	58	59	60	61	62	63	64	65	66	67
56	57	58	59	60	61	62	63	64	65	66	67	68
57	58	59	60	61	62	63	64	65	66	67	68	69
58	59	60	61	62	63	64	65	66	67	68	69	70
59	60	61	62	63	64	65	66	67	68	69	70	71
60	61	62	63	64	65	66	67	68	69	70	71	72
61	62	63	64	65	66	67	68	69	70	71	72	73
62	63	64	65	66	67	68	69	70	71	72	73	74
63	64	65	66	67	68	69	70	71	72	73	74	75
64	65	66	67	68	69	70	71	72	73	74	75	76
65	66	67	68	69	70	71	72	73	74	75	76	77
66	67	68	69	70	71	72	73	74	75	76	77	78
67	68	69	70	71	72	73	74	75	76	77	78	79
68	69	70	71	72	73	74	75	76	77	78	79	80
69	70	71	72	73	74	75	76	77	78	79	80	81
70	71	72	73	74	75	76	77	78	79	80	81	82
71	72	73	74	75	76	77	78	79	80	81	82	83
72	73	74	75	76	77	78	79	80	81	82	83	84
73	74	75	76	77	78	79	80	81	82	83	84	85
74	75	76	77	78	79	80	81	82	83	84	85	86
75	76	77	78	79	80	81	82	83	84	85	86	87
76	77	78	79	80	81	82	83	84	85	86	87	88
77	78	79	80	81	82	83	84	85	86	87	88	89
78	79	80	81	82	83	84	85	86	87	88	89	90
79	80	81	82	83	84	85	86	87	88	89	90	91
80	81	82	83	84	85	86	87	88	89	90	91	92
81	82	83	84	85	86	87	88	89	90	91	92	93
82	83	84	85	86	87	88	89	90	91	92	93	94
83	84	85	86	87	88	89	90	91	92	93	94	95
84	85	86	87	88	89	90	91	92	93	94	95	96
85	86	87	88	89	90	91	92	93	94	95	96	97
86	87	88	89	90	91	92	93	94	95	96	97	98
87	88	89	90	91	92	93	94	95	96	97	98	99
88	89	90	91	92	93	94	95	96	97	98	99	100

40 page 80 of 112

40 page 91 of 112



COLLARS

Chh meast

MEASUREMENT
No. 1 2 3 4 5 6
MEASUREMENT-UP-TO-DATE

BOOK

Total value to date
Rs.

Page

Quantity

Quantity Cols 5-8

Since last Measurement Value at rate in Col. 6
Rs. Ps.

Remarks

1.860
63.6172

40 pms 75 of 1.8

[illegible]

MEASUREMENT

BOOK

31

ILARS						7	8		9			Remarks	
MEASUREMENT-UP-TO-DATE						Total value to date Rs.	Deduct Previous Measurements		Since last Measurement				
No.	L.	B.	D.	Contents or area	Rate		Page	Quantity	Quantity Cols 5-8	Value at r Rs.	ate in Col. Ps.		
check necessary with 116													
1st block of 518c 10x 20x15													
1st and 2nd 518c 10x 20x15 complete													
1	83.45	0.26	2.16	35.04	/								
5	6.20	0.20	8.10	13.02	/								
- 104					48.06 m	3							
20x	5	1.20	0.20	2.10	2.580	/							
5	15	1.52	0.20	1.46	6.657	/							
2	3	0.60	0.20	0.40	0.096	/							
opening	1	3.00	0.20	8.10	1.260	/							

MEASUREMENT

BOOK

MEASUREMENT					BOOK			9		
MEASUREMENT-UP-TO-DATE					8			Since last Measurement		
					Deduct Previous Measurements			Value at rate in Col. 6		
					Quantity			Quantity		
					Page			Cols 5-8		
					Rs.			Rs.		
					Total value to date			Remarks		
					Rs.					
13 mm	5	2.00	0.888	8.880						
12 mm	4	2.50	0.888	8.880						
12 mm	6	0.45	0.888	2.397						
				126.882						
Total										

MEASUREMENT BOOK

MEASUREMENT												
DUAR	1	2	3	4	5	6	7	8		9		Remarks
	MEASUREMENT-UP-TO-DATE						Total value to date Rs.	Deduct Previous Measurements		Since last Measurement		
	No.	L.	B.	D.	Contents or area	Rate		Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
Wk for KCO with 1000 visually checked for half used in preparing for survey												
25 - Shicane												
2 bollus	2	3.00			0.888	5.328						
12 mm TP	2	3.35			0.888	5.949						
8mm TP	15	1.10			0.395	6.517						
12mm TP	9	5.16			0.888	40.759						
16 mm TP	19	1.17			0.617	13.715						
12mm TP	8	3.35			0.888	23.798						
12mm TP	8	1.95			0.888	3.463						
12mm TP	6	1.35			0.888	7.192						



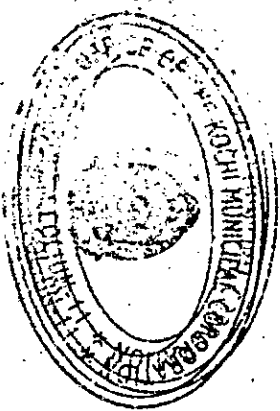
BOOK

30
(33:1411) et .OM PROG:

MEASUREMENT-UP-TO-DATE						7		8			9			Remarks
No.	L.	B.	D.	Contents or area	Rate	Total value to date Rs.	Deduct Previous Measurements	Quantity	Since last Measurement (17-1-54)	Value at rate in Col. 6	Rs.	Ps.		
Shrubbery including 840 lbs of seedling of rubber 1														
Piers 1000 lbs each														
24	120		2.10	60.480										
7	0.65		2.10	1.365										
				10.035										
				21.400										
				70.035										
Value last time (1954) appears														
1	1.30	0.30	0.35	0.325										
40.000														
90.035														

30

ON 0000



7.

90 ppx 83081-13

e) 28)

Chulmest
9-27, 28

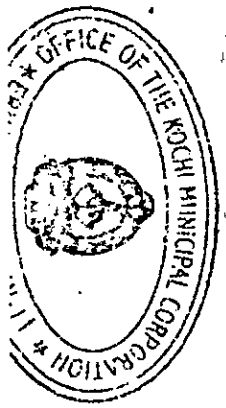
PARTICULARS.

MEASUREMENT

BOOK

MEASUREMENT-UP-TO-DATE										5		6		7		8				9		10	
No.	L.	B.	D.	Contents or area	Rate	Total value to date Rs.	Deduct Previous Measurements		Since last Measurement		Value at rate in Col. 6		Remarks										
							Page	Quantity	Quantity Cols 5-8	Rs.	Ps.												
2	6.20	0.20	0.45	1.116	✓																		
1	3.00	0.40	0.45	0.270	✓																		
4	1.80	0.20	0.45	0.648	✓																		
				13.851	✓																		
cf. page 8 of 115.																							
NOTE																							
Date 12/04/18																							
Signature																							

Chulmest
9-27, 28



MEASUREMENT

BOOK

PARTICULARS		1	2	3	4	5	6	7	8		9		Remarks	
		MEASUREMENT-UP-TO-DATE							Deduct Previous Measurements		Since last Measurement	Value at rate in Col. 6		
		No.	L.	B.	D.	Contents or area	Rate		Page	Quantity				Quantity Cols 5-8
5-1 For working and laying in pattern of brickwork of chimney and arch - excavation														
1/2 C/P of chimney and shafting														
and quantity of brickwork for chimney and														
5-1.2 - 1:15:3 (1 unit 1.5 coarse sand)														
3.5 m thick stone masonry of 20 mm nominal size														
for plinth from N-S		2	29.08	0.20	0.45	5.234								
North East wall		1	13.05	0.20	0.45	1.174								
West wall		1	6.65	0.20	0.45	0.598								
North East wall		1	6.45	0.20	0.45	0.562								
North wall		1	22.40	0.20	0.45	2.016								
South and East		4	6.20	0.20	0.45	2.232								

27

27

RTICULARS

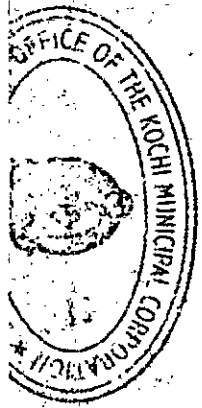
Chandrasekhar - 24 626

MEASUREMENT

BOOK

MEASUREMENT-UP-TO DATE						7	8			9		Remarks
No.	L.	B.	D.	Contents or area	Rate		Deduct Previous Measurements	Quantity	Since last Measurement	Value at rate in Col. 6	Ps.	
1	0.52	3.13	4	5	6	Total value to date Rs.	Page	Quantity	Quantity	Value at rate in Col. 6	Ps.	
2	4x3x8.55					1.578						
3	7x2x8.55					0.888						
4	4x4x1.20					0.385						
5	2x3	6.55				1.578						
6	2x2	6.55				0.888						
7	1x2	3.35				0.888						
8	1x3	3.35				0.888						
9	1x4	1.20				0.385						
10	1x5	0.45				1.578						
11	1x6	0.45				0.888						
12	1x7	0.45				0.888						
13	1x8	0.45				0.888						
14	1x9	0.45				0.888						
15	1x10	0.45				0.888						
16	1x11	0.45				0.888						
17	1x12	0.45				0.888						
18	1x13	0.45				0.888						
19	1x14	0.45				0.888						
20	1x15	0.45				0.888						
21	1x16	0.45				0.888						
22	1x17	0.45				0.888						
23	1x18	0.45				0.888						
24	1x19	0.45				0.888						
25	1x20	0.45				0.888						
26	1x21	0.45				0.888						
27	1x22	0.45				0.888						
28	1x23	0.45				0.888						
29	1x24	0.45				0.888						
30	1x25	0.45				0.888						
31	1x26	0.45				0.888						
32	1x27	0.45				0.888						
33	1x28	0.45				0.888						
34	1x29	0.45				0.888						
35	1x30	0.45				0.888						
36	1x31	0.45				0.888						
37	1x32	0.45				0.888						
38	1x33	0.45				0.888						
39	1x34	0.45				0.888						
40	1x35	0.45				0.888						
41	1x36	0.45				0.888						
42	1x37	0.45				0.888						
43	1x38	0.45				0.888						
44	1x39	0.45				0.888						
45	1x40	0.45				0.888						
46	1x41	0.45				0.888						
47	1x42	0.45				0.888						
48	1x43	0.45				0.888						
49	1x44	0.45				0.888						
50	1x45	0.45				0.888						
51	1x46	0.45				0.888						
52	1x47	0.45				0.888						
53	1x48	0.45				0.888						
54	1x49	0.45				0.888						
55	1x50	0.45				0.888						
56	1x51	0.45				0.888						
57	1x52	0.45				0.888						
58	1x53	0.45				0.888						
59	1x54	0.45				0.888						
60	1x55	0.45				0.888						
61	1x56	0.45				0.888						
62	1x57	0.45				0.888						
63	1x58	0.45				0.888						
64	1x59	0.45				0.888						
65	1x60	0.45				0.888						
66	1x61	0.45				0.888						
67	1x62	0.45				0.888						
68	1x63	0.45				0.888						
69	1x64	0.45				0.888						
70	1x65	0.45				0.888						
71	1x66	0.45				0.888						
72	1x67	0.45				0.888						
73	1x68	0.45				0.888						
74	1x69	0.45				0.888						
75	1x70	0.45				0.888						
76	1x71	0.45				0.888						
77	1x72	0.45				0.888						
78	1x73	0.45				0.888						
79	1x74	0.45				0.888						
80	1x75	0.45				0.888						
81	1x76	0.45				0.888						
82	1x77	0.45				0.888						
83	1x78	0.45				0.888						
84	1x79	0.45				0.888						
85	1x80	0.45				0.888						
86	1x81	0.45				0.888						
87	1x82	0.45				0.888						
88	1x83	0.45				0.888						
89	1x84	0.45				0.888						
90	1x85	0.45				0.888						
91	1x86	0.45				0.888						
92	1x87	0.45				0.888						
93	1x88	0.45				0.888						
94	1x89	0.45				0.888						
95	1x90	0.45				0.888						
96	1x91	0.45				0.888						
97	1x92	0.45				0.888						
98	1x93	0.45				0.888						
99	1x94	0.45				0.888						
100	1x95	0.45				0.888						

40 page 83 of 95.



MEASUREMENT

BOOK

PARTICULARS	1	2	3	4	5	6	7	8		9	Remarks
	MEASUREMENT-UP-TO-DATE					Rate	Total value to date Rs.	Deduct Previous Measurements		Since last Measurement	
	No.	L.	B.	D.	Contents or area			Page	Quantity Cols 5-8		
Chrt top 16mm	1x3	0.45		1.578	3.130						
12mm	1x2	0.45		0.888	0.799						
8 mm Brags.	1x69	1.20		0.395	33.206						
wok side 16mm bottom	1x3	6.60		1.578	31.244						
Top 12mm	1x2	6.60		0.888	11.231						
Brags 8 mm DP	1x30	1.20		0.395	14.320						
wok with 16mm bottom	1x3	6.20		1.578	29.350						
Top 12mm	1x2	6.20		0.888	11.011						
Apex Round	1x28	1.20		0.395	13.272						
Centre post 16mm bottom	1x3	22.35	22.25	1.578	105.331						
12mm Top	1x2	22.35	22.25	0.888	39.516						
Brags Round	1x120	1.20		0.395	56.880						

Handwritten notes and calculations on the right margin, including '18 00', '1300', and '25'.

MEASUREMENT

BOOK

Item No	PARTICULARS	MEASUREMENT-UP-TO-DATE					6.	7	8		9		Remark
						Deduct Previous Measurements			Quantity	Since last Measurement	Value at rate in Col. 6		
		No.	L.	B.	D.							Contents or area	
16	Re-survey of concrete work in beams for R.C.C. works. Items not included in bill and stand in position for concrete slab and chub.												
	For beam												
	16mm ² bottom	2x3	29.00		1.578	279.572							
	12mm ² top	2x2	29.00		0.888	183.008							
	4mm ² 8mm ²	2x155	1.20		0.395	146.940							
	4mm ² 16mm ²	2x3	0.45		1.578	4.260							
	12mm ²	2x2	0.45		0.888	1.598							
	12mm ² side 16mm ² bottom	7x3	13.00		1.578	184.626							
	12mm ²	3x2	13.00		0.888	69.264							

(Form 128)

Chandrasekhar P. 22/03

MEASUREMENT

BOOK

PARTICULARS

1	2	3	4	5	6
MEASUREMENT-UP-TO-DATE					

ing old well

stone masonry

Monolithic built up

total

deduction for Column inside

cur

[Signature]
24/04/17

No.	L	B	D	Contents or area	Rate
5x2	5.80		0.45	28.70	✓
1x2	5.90		0.45	2.70	✓
Monolithic built up	1.80		0.45	6.48	✓
total				131.112	✓
deduction for Column inside	24	0.20	0.45	2.16	✓
cur				128.952	✓

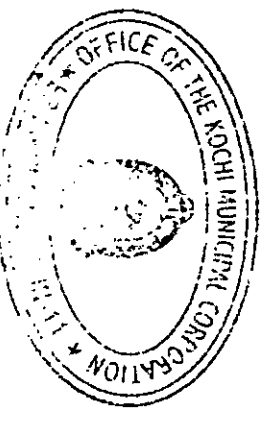
Total value to date Rs.

Deduct Previous Measurements

Since last Measurement

Remarks

0.00 Rs. 78 7.5.



BOOK

MEASUREMENT

No. 13 (Rule) 28)

PARTICULARS	MEASUREMENT-UP-TO-DATE						Total value to date Rs.	8		9		Remarks	
	1	2	3	4	5	6		Deduct Previous Measurements	Quantity	Since last Measurement	Value at rate in Col. 6		
													No.
5.7.59.5													
Labouring and Shuttering including Shuttering													
for opening of and removal of form for													
concrete beams and slab work													
for concrete and cast in													
place shuttering beam													
Est. other	2	29.08		0.45	26.172								
work side	2	29.08		0.45	26.172								
with side	2	13.05		0.45	11.735								
is side work side of side	2	6.62		0.45	5.958								
work side	2	6.62		0.45	5.958								
	2	22.40		0.45	20.16								
					95.832								

22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Chickamangur

MEASUREMENT

BOOK

PARTICULARS			MEASUREMENT UP-TO-DATE					7		8		9		Remarks
			No.	L	B.	D.	Contents or area							
			1852/2/11					Total value to date Rs.	Page	Quantity	Since last Measurement Quantity Cols 5-8	Value at rate in Col. 6 Rs.	Ps.	
Total			1	22.40	0.45	0.30	3.024							
Total			1	2.00	0.45	0.30	0.27							
Total			31	0.20	0.40	0.30	18.474							
Total			31	0.20	0.40	0.30	17.8742							
Total			1	28.80	0.40	0.35	4.082							
Total			1	6.00	0.40	0.50	1.20							
Total			1	6.00	0.40	0.30	0.72							
Total			31	0.20	0.45	0.30	41.436							
Total			127	0.20	0.40	0.35	24.425							
Total			123	0.20	0.40	0.35	0.252							
Total			211	0.20	0.40	0.30	0.12							
Total			211	0.20	0.40	0.30	0.048							
Total			123	0.20	0.40	0.30	1.257							
Total			123	0.20	0.40	0.30	40.144							
Total			123	0.20	0.40	0.30	23.169							

C/o page 76 of 9.13 -

1852/2/11

5



(Rule) 28)

Chikaseed 9.16.17

MEASUREMENT

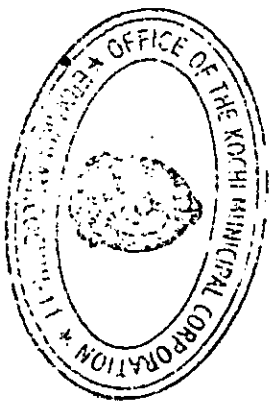
BOOK

PARTICULARS

MEASUREMENT-UP-TO-DATE

17

No.	L.	B.	D.	Contents or area	Rate	7 Total value to date Rs.	8 Deduct Previous Measurements Page Quantity		9 Since last Measurement Quantity Cols 5-8 Value at rate in Col. 6 Rs. Ps.		Remarks
5	6.00	0.60	0.60	10.80							
1	22.40	0.60	0.60	13.92							
1	2.00	0.60	0.60	0.72							
24	0.20	0.40	0.60	1.152							
7	0.20	0.40	0.60	0.336							
707up				49.122							
44.268											
14.88											
47.41											
43.774											
40.88											
76.9											
7.3											



MEASUREMENT

BOOK

P. 16

Item No	PARTICULARS	MEASUREMENT-UP-TO-DATE										7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks	
		1		2		3		4		5			6					
		No.	L.	B.	D.	Contents or area				Rate								
3.	Random rubble masonry with half stone in foundation and plinth including levelling up with cement concrete 1:1.5:10 (1 inch to base) Band: 12 graded stone aggregate 20 mm nominal size) up to plinth level with																	
	7.11 Cast masonry 1:6 (1 inch to 6 ft) concrete gnd.																	
	Open foundation - out side wall																	
	East side.	1	28.80	0.60	0.60	10.368												
	West side	1	28.80	0.60	0.60	10.368												
	North side	1	12.85	0.60	0.60	4.626												
	West north	1	6.00	0.60	0.60	2.16												
	West ft.	1	6.00	0.60	0.60	2.16												

Chulawern

PARTICULARS

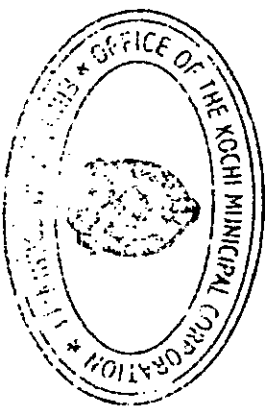
16/8/17

MEASUREMENT-UP-TO-DATE

MEASUREMENT

BOOK

PARTICULARS	No.	L.	B.	D.	Contents or area	Rate	7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks
								Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs. Ps.	
Removal and laying to position specified grade of uniform cant concrete												
Specifying the sort of cutting & filling												
existing road surface - 11 work up to												
width 1:1.5:3 Clear 1.5 course												
and 3 grade stone aggregate 80mm max (8 1/2)												
For feeding water	24	1.25	1.25	0.20	7.50	✓						
Water Allow	7	1.20	1.20	0.20	2.01	✓						
	24	(1.00+0.20)	(1.00+0.20)	0.45	6.015	✓						
	7	(0.50+0.50)	(0.50+0.50)	0.40	1.312	✓						
	704				16.987	✓						
							4094	81	9	1.3		



PARTICULARS	MEASUREMENT-UP-TO-DATE					
	1	2	3	4	5	6
	No.	L.	B.	D.	Contents or area	Rate
4. 1-8.						
Providing and laying in position but not						
bricks of specified grade excluding						
the cost of mortar and plastering - 1:4:8 work						
up to plaster level 1:4:8 (1 cum)						
1 course of 8-grooved stone aggregate						
work (normal size)						
Column Murr	24	1.50	0.10		5.40	
for Vantha	7	1.40	0.10		1.372	
in between columns	16	1.50	0.10		1.68	
for 84	7	1.50	0.10		0.45	
East wall and 84	3	4.70	0.10		1.05	
					9.952	

[illegible]

(3 (Rule) 28)

Chelamund
p-8/9

PARTICULARS

052

MEASUREMENT

BOOK

No.	L.	B.	D.	Contents or area	Rate
1	1.92	0.75	0.75	3.375	
2	4.70	0.75	0.75	2.925	
3	1.50	0.75	0.75	1.68	
4	4.70	0.75	0.75	2.925	
5	4.70	0.75	0.75	2.925	
6	1.40	0.75	0.75	1.08	
7	1.92	0.75	0.75	1.08	
8	0.45	0.75	0.75	0.25	
9	11.205				

[Signature]
08/08/11

Total value to date Rs.

Page

Quantity

Quantity

Value at rate in Col. 6

Remarks

40 pgs 74 of 75

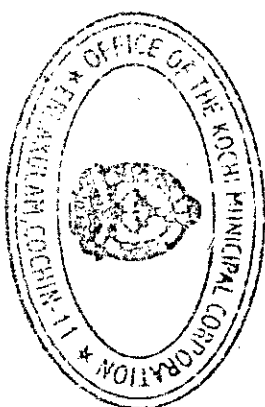


PARTICULARS		1	2	3	4	5	6
		MEASUREMENT-UP-TO-DATE					
No.		L.	B.	D.	Contents or area	Rate	
	Earth work excavation by mechanical means (hydraulic excavator)/normal mass is foundation pressure or drains						
	Cost exceeding 1.50m in width per sqm on plan) including dressing of sides and ramming of bottom till upto 1.50m and disposal of surplus excavated soil as directed within a limit of 50m						
	from bottom finding	26	1.50	1.85		99.90	✓
	from bottom finding	7	1.40	1.40		19.20	✓
	outside from foundation pressure	16	1.50	0.75	0.75	13.50	✓

Chela m... 100

MEASUREMENT

BOOK

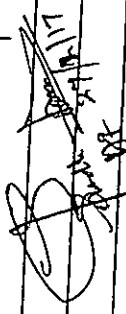
[illegible]

PARTICULARS	MEASUREMENT-UP-TO-DATE					
	No.	L.	B.	D.	Contents or area	Rate
	2	3	4	5	6	
15.2. Demolishing Cant Concrete masonry by mechanical means including disposal of materials with 50 meters lead as per direction of Engineer in charge.	3,17					
15.2.1 Nominal concrete 1:3:6 proportion mix ifc equivalent design mix)						
Lead	8	22.00	0.20	0.15	1.32 ✓	
	3	6.90	0.20	0.15	0.58 ✓	
	1	12.60 18.60	0.20	0.15	0.28	
	n				2.27 m ³	

Total = 28.20 / 17

~~6/10/2002 7th~~
~~1492~~

CP 124-88-213

Item No.	PARTICULARS	MEASUREMENT-UP-TO-DATE					
		No.	L.	B.	D.	Contents or area	Rate
15.12	Replacement of doors windows and glasswork in window (steel one wood shutter including chokkhat constructional work parts of 5 nos plate and shading within 50 meters lead						
	doors changed and not visible	5			5.00	5.00	
	Windows	10			10.00	15.00	
							

[illegible]

C/O Page 89 of 7.12

[Handwritten signature and date 11/12/13]

15/17

MEASUREMENT

BOOK PUGA 3M

PARTICULARS	1	2	3	4	5	6	7 Total value to date Rs.	8 Deduct Previous Measurements		9 Since last Measurement		Remarks	
	MEASUREMENT-UP-TO-DATE							Page	Quantity	Quantity Cols 5-8	Value at rate in Col. 6 Rs.		Ps.
	No.	L	B.	D.	Contents or area	Rate							
15.14.2.													
Discontinuing Wood work in frames, trusses													
Purlins and rafters up to 10 meters													
8 pan and 5 metres height including													
Roofing the material within 50 meters													
Lead of material same below 10 square													
centimeters.													
Factor	30	4.00			120.00								
"	8	4.00			32.00								
ridge	1	15.00			15.00								
"	1	6.40			6.40								
hips	6	9.00			54.00								
					203.40								

444 FUND-
Agmt No. 1164/6-7
MEASUREMENT

at Gert L.P. School Vernonia - in Oct 11: 46
BOOK 1935-1944

No.	Name of Author.	In.	Folio	Paper
9				

[illegible][illegible]

വേല പൂർത്തീകരണ റിപ്പോർട്ട്

കൊച്ചി നഗരസഭ 46-ാം ഡിവിഷനിലെ വെണ്ണല എൽ.പി. സ്കൂളിൽ ലഭിച്ചിട്ടുള്ള പഴകിയ കെട്ടിടം പൊളിച്ച് നിക്കം ചെയ്ത് പുതിയ കെട്ടിടം നിർമ്മിക്കുന്നതിന് MLA ADS ഫണ്ടിൽ നിന്നും AS ലഭിച്ചിട്ടുള്ള 49,90,000.00 രൂപ ടെങ്കലുള്ള കൊച്ചി നഗരസഭയുടെ KRE1- 3118/15 ഫയൽ പ്രകാരമുള്ള വേലയിൽ ചില ററ്റങ്ങൾ ആവശ്യമായി വന്നു. ആയതിന് പ്രകാരം അധികരിച്ചുവരുന്ന തുക കൊച്ചി നഗരസഭയുടെ തനത് ഫണ്ടിൽ നിന്നും ചിലവാക്കി പൂർത്തീകരിക്കുന്നതിനാണ് പദ്ധതി യുറാക്കിയിരുന്നത്.

മേൽ വിവരങ്ങൾ റിവ്യസ്ഡ്. എസ്റ്റിമേറ്റിനൊപ്പം സമർപ്പിക്കുകയും ആയത് 9/10/2019. തീയതി G.O.(RE)No.2401/2019/LSGD ഉത്തരവ് പ്രകാരം അംഗീകാരം ലഭിച്ചിട്ടുള്ളതുമാണ്. അധികരിച്ചുവരുന്ന തുകക്കുള്ള ഇലിസിഫിക്കേഷൻ വേലയും, ഫ്ലോർ ടൈൽ വിരിക്കുന്ന വേലയും യഥാക്രമം ISO MOE2 - 1722/18 ഫയൽ പ്രകാരം 27,000.00 രൂപയുടെയും, KRE1- 1721/18 ഫയൽ പ്രകാരം 4,85,000.00 രൂപയുടെയും വലകൾ ടെണ്ടർ ചെയ്യുകയും ടി വേലകൾ പൂർത്തീകരിക്കുകയും ചെയ്തിട്ടുണ്ട്.

ഇപ്രകാരം കെട്ടിടത്തിന്റെ മുഴുവൻ വേലകളും പൂർത്തീകരിച്ച് കെട്ടിടം പൂർണ്ണമായും ഉപയോഗക്ഷമം ആക്കിയട്ടുള്ളതാണ്.


S. B. KUMAR, P. R.
ASSISTANT ENGINEER
KOCHI MUNICIPAL CORPORATION



താഴെ പറയുന്നവർക്ക് കൈമാറേണ്ടതാണ്
 സർവ്വേയർ
 ഓഡിറ്റർ
 ഫിനാൻസ് ഓഫീസർ
 ഇൻസ്പെക്ടർ ജനറൽ
 മേയർ
 23/9/15
 മേയർ

10/10/2019 10/10/2019 10/10/2019 10/10/2019 10/10/2019

Part II - Certificate and Signature
A. BILL PREPARATION SECTION

The measurements were made by me on 12/9/17 at 10:34 AM. The bill is for a measurement of 1051 & MB 1076/10-17. It has been executed in conformity and that the bills claimed above represents a correct fraction of items and liabilities.

[Signature]
 Dated Signature of Officer preparing the bill
 Rank

B. REMARKS BY CHECK MEASURING OFFICER

Measure made by AEC Murali Mohan
 on 17/9/17

[Signature]
 Exo. Engineer
 LSGD
 Kochi Municipal Corporation

[Signature]
 Sub Divisional Officer

Sub Divisional Officer

SUPERINTENDING ENGINEER
 LSGD

AUDIT SECTION

Checked against the calculation and verified the rate against the contract provision and issued against sanctioned data.

Accountant

Accountant

Provisional Accountant

[Vertical list of names and signatures on the right margin]