

| Item | Description | Total estimate costs | Amount requested | Amount covered by other funds |
|---|---|----------------------|------------------|-------------------------------|
| DATA ACQUISITION | | | | |
| Goelectrical survey at 15 site at \$256 per site | The geoelectrical survey will be used to ascertain the hydraulic parameters and aquifer characteristics is different sites. An ABEM terrameter SAS1000 will be used for the vertical electrical sounding. The researchers has an agreement to access the equipment for free, but will have to pay the field technicians that will assist during | 3838 | 3838 | 0 |
| Effluent sampling at 30 sites at \$13 each | Cost of paying labourers that will help in the removal of the septic tank's inspection chamber cover | 384 | 384 | 0 |
| 320 Sampling bottles at \$1 each and 1 storage cooler at \$128 | The bottles will be used in the sample collection of the effluent and water samples, whereas the cooler will be used to temporally store the | 190 | 190 | 0 |
| Laboratory analysis of 30 water samples (chemical) at \$102 per sample | The analysis will reveal the chemical compositions of the water samples. The target chemicals are Pb, Cd, As, Nitrite (combined nitrate/nitrite), detergents, plasticizers, chlorinated solvents, | 3071 | 3071 | 0 |
| Laboratory analysis of 50 effluent samples (chemical) at \$102 per sample | The analysis will reveal the chemical compositions of the water samples. The target chemicals are Pb, Cd, As, Nitrite (combined nitrate/nitrite), detergents, plasticizers, chlorinated solvents, | 3071 | 3071 | 0 |
| Laboratory analysis of 30 water samples (microbial) | The analysis will reveal the micro organisms present in the water saamples. The price will include the | 768 | 768 | 0 |
| Laboratory analysis of 30 effluent samples (microbial) | The analysis will reveal the micro organisms present in the effluent saamples. The price will include the | 768 | 768 | 0 |
| TRANSPORTATION | | | | |
| One round trip transportation fare from the institution to the field for preliminary investigations will be \$154 This trip will be | This will cover the cost of transportation fare of the researcher to the field and back to their bases during the preliminary investigation stage. Public transportation will be used for the interstate transport, | 1538 | 1538 | 0 |
| One round trip transportation fare from the institution to the field for the field investigations will be \$154 This trip will be | This will cover the cost of transportation fare of the researcher to the field and back to their bases during the preliminary investigation stage. Public transportation will be used for the interstate transport, | 1846 | 1846 | 0 |

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|---|--|------|------|---|
| Cost of transporting samples to the laboratory will be \$26 per batch. A total of 6 batches will be sent to the laboratory. | Because all the samples can not be collected in one day and the samples can not be stored for more than 24 hours, there is need to analyse the samples in batches. Since it will take 6 times field visit for all the samples to be collected | 154 | 154 | 0 |
| One round trip transportation fare from the institution to the laboratory where the samples will be | This is for the transportation of researcher 4 to visit the laboratory where the water and effluent is been analysed. This will enable the researcher 4 to supervise the | 51 | 51 | 0 |
| Accomodation for researcher 4 for laboratory visit per night will be \$51. The investigator will spend | This is visit is inimportant for researcher 4 to have a first hand experience of the water and effluent sampling laboratory procedures and to ensure that standard methods | 103 | 103 | 0 |
| RESEARCH | | | | |
| Field and overtime (weekends) allowance for researcher 1 at a daily rate of \$31 | Researcher 1 will allocate a total of 62 days for this research as have been explained in the work plan. Due to the intensive nature of the field work that is asociated with this research, three other researchers | 1904 | 1904 | 0 |
| Field and overtime (weekends) allowance forresearcher 2 at a | Researcher 2 will allocate a total of 62 days for this research. | 1587 | 1587 | 0 |
| Field and overtime (weekends) allowance for researcher 3 at a | Researcher 3 will allocate a total of 58 days for this research. | 1484 | 1484 | 0 |
| Field and overtime (weekends) allowance for researcher 4 at a | The researcher 4 will allocate a total of 58 days for this research. | 1039 | 1039 | 0 |
| PUBLICITY | | | | |
| Organizing a sensitization workshop for the government, community, and other stake holders to share the research outcome. | A workshop will be organized to sensitize the community, government, and other stake holders on the research outcome and the need for the provission of public sanitary infrastructure. The cost will ake care of venue rental, publicity, light refreshment, and transportation of researchers. | 800 | 800 | 0 |
| Conference fee for researcher 1 and researcher 3 | This will enable at least two researchers to attend and present the outcome of the research in the conference. The conference fee is | 400 | 400 | 0 |
| Article Publication Charge | This is the current article publication charge of the Journal of environmental earth sciences. However, the publication will not be available to the public in open | 2000 | 2000 | 0 |

Total

24996

24996

0