

NASENI Research Commercialization Grants Programme Detailed Budget

		Unit	Cost
1.0 Personnel Costs/Allowance			
1.1 Principal researcher	₦ 3,625,000.00	1	₦ 3,625,000.00
1.2 Team Members	₦ 4,518,750.00	6	₦ 4,518,750.00
1.3 Technical Support	₦ 2,550,000.00	6	₦ 2,550,000.00
1.4 Field Staff	₦ 180,000.00	6	₦ 1,080,000.00
Sub-Total			11,773750.00
2.0 Equipment			
2.1 Multi-platform Orbital Shaker (Fisherbrand)	₦ 4,500,000.00	1 Unit	₦ 4,500,000.00
2.2 Benchtop Bioreactor (BioFlo® 120)	₦ 12,000,000.00	1 Unit	₦ 12,000,000.00
2.3 PH Meter (HANNA 2211)	₦ 2,500,000.00	1 Unit	₦ 2,500,000.00
2.4 Pipette Calibrations	₦ 75,000.00	15pcs	₦ 1,125,000.00
Sub- Total			20,125,000.00
3.0 Supplies/Consumables			
3.1 Sterile Falcon tubes (50mL x 500 x5)	₦ 75,000.00	X5	₦ 375,000.00
3.2 Sampling bags/tube	₦ 580,000.00	X2carton	₦ 1,160,000.00
3.3 Microbial DNA extraction Kit (DNeasy ultra-clean microbial kit, 250 prep)	₦ 450,000.00	X2	₦ 900,000.00
3.4 Qiaquick PCR clean-up kit (250prep)	₦ 593,580.00	x2	₦ 1,786,740.00
3.5 PCR Primers (16S rRNA, <i>nif</i> genes)	₦ 75,000.00	x3	₦ 225,000.00
3.6 DNA Ladder (NEB Quickload 1kb, 100bp & 50 bp)	₦ 135,609.00	X2	₦271,218.00
3.7 Invitrogen SYBR green I nucleic acid stain	₦ 430,375.00	X2	₦ 860,750.00
3.8 PCR Master Mix (NEB QuickLoad, 250 preps X 5)	₦ 528,750.00	X2	₦ 1,057,500.00

3.9 Phusion® High-Fidelity PCR Master Mix with HF Buffer (500rxn)	₦ 678,240.00	X2	₦ 678,240.00
3.10 Agarose powder (500g)	₦ 450,500.00	X1	₦ 450,500.00
3.11 Boric Acid (500g)	₦ 154,125.00	X1	₦ 154,125.00
3.12 Trizma Base (Fisher Chemical)	₦ 355,000.00	X1	₦ 355,000.00
3.13 Ethanol (DNA grade) 2.5L	₦ 55,000.00	X2	₦ 110,000.00
3.14 Ethanol (Disinfection Grade) 2.5L	₦ 27,500.00	X4	₦ 110,000.00
3.15 Safe lock Eppendorf tubes (PK/500)	₦ 45,000.00	X5	₦ 180,000.00
3.16 Eppendorf™ Thin-Walled PCR Tubes (1,000 pcs)	₦ 209,500.00	X2	₦ 419,000.00
3.17 Yellow barrier pipette tips (20-200uL), Case of 10	₦ 21,000.00	X15	₦ 315,000.00
3.18 Blue barrier pipette tips (100-1000uL), case of 10	₦ 25,000.00	X15	₦ 375,000.00
3.19 White Barrier pipette tips (0.1-20uL case of 10	₦ 25,000.00	x5	₦ 125,000.00
3.20 Nitrile Gloves (Medium & Large Sizes) case of 10	₦ 50,000.00	X6	₦ 300,000.00
3.21 Petri Dishes 100/carton	₦ 20,000.00	X10	₦ 200,000.00
3.22 Glass slides & coverslip 20pcs/pack x10	₦ 6,000.00	X10	₦ 60,000.00
3.23 Grams Stains set 1L each	₦ 25,500.00	X5	₦ 127,500.00
3.24 Wire loop (5)	₦ 2,500.00	X2	₦ 5,000.00
3.25 Bench Wipes	₦ 6,000.00	X20	₦ 120,000.00
3.26 TSA media (merck), 500g	₦ 190,000.00	X1	₦ 190,000.00
3.27 LB broth (merck) 500g	₦ 151,250.00	X2	₦ 151,250.00
3.28 Biofertilizer Carrier (Biopolymer, lignite, vermiculite)	₦ 1,500,000.00	X4	₦ 7,500,000.00
3.29 Bioreactor reagents and Consumables	₦ 2,500,000.00	X4	₦ 10,000,000.00
3.30 Pikovskayas Agar (merck) 500g	₦ 229,560.00	X1	₦ 229,560.00
3.31 Peptone (merck) 500g	₦ 125,000.00	X1	₦ 125,000.00

3.32 Disposable Sterile Pasteur pipette	₦ 25,0000.00	X5	₦ 125,000.00
3.33 N-free malate medium (500g)	₦ 251,250.00	X2	₦.502,500.00
3.34 Azospirillum medium A & B (500g)	₦ 250,000.00	X1	₦ 250,000.00
3.35 250mL Culture flask (Carton of 12)	₦ 86,525.00	X2	₦ 173,050.00
3.36 Biosafety Waste Bags	₦ 123,240.00	X3	₦ 369,720.00
3.37 Nursery polybags	₦ 10,000.00	X10	₦ 100,000.00
3.38 Watering can, trowels, shovels	₦ 105,000.00	X3	₦ 315,000.00
3.39 Seed	₦10,000.00	X3	₦ 30,000.00
Sub-total	₦		₦ 30,781,153.00
4.0 Data Collection and Analysis			
4.2 Sanger Sequencing	₦ 40,000.00	X75	₦ 3,000,000.00
4.3 Soil-Physicochemical Analysis	₦ 1,225,000.00	X6	₦ 7,350,000.00
4.4 Bioinformatics Data Analysis	₦ 1,500,000.00	X1	₦ 1,500,000.00
4.5 Statistical Data Analysis	₦ 1,250,000.00	X1	₦ 1,250,000.00
4.6 Laptop Computer	₦ 2,000,000.00	X3	₦ 6,000,000.00
Sub-Total			₦ 19,100,000.00
5.0 Field Trial			
5.1 Field trial site, demarcation, markings, beddings, plant growth measurement tools	₦ 500,000.00	3 regions x3 plots x 3 years	₦ 4,500,000.00
4.2 Technical assistants (field Trial) x9	₦ 180,000.00	X9	₦ 1,620,000.00
Sub-total			₦ 6,120,000.00
6.0 Dissemination			
6.1 Publication	₦ 5,000,000.00		₦ 5,000,000.00
6.2 Patent Application	₦ 500,000.00		₦ 500,000.00
6.3 Conference attendance	₦ 2,000,000.00		₦ 2,000,00.00
Sub-total			₦ 7,500,000.00
Travels and Research Meetings			

7.1 Quarterly researchers team meeting	₦ 250,000.00	6	₦ 3,000,000.00
7.2 Research secretariat	₦ 250,000.00		₦ 250,000.00
7.3 Internet Services	₦ 500,000.00		₦ 500,000.00
Sub-total			₦ 3,750,000.00
Grand total			

Budget Summary

S/N	Item	Sub-Total
1.0	Personnel Costs/Allowance	₦ 11,773,750.00
2.0	Equipment Cost	₦ 20,125,000.00
3.0	Supplies and Laboratory Consumable	₦ 30,781,153.00
4.0	Data Collection and Analysis	₦ 19,100,000.00
5.0	Field Trial	₦ 6,120,000.00
6.0	Dissemination	₦ 7,500,000.00
7.0	Travels and Meetings	₦ 3,750,000.00
	Sub-Total	₦ 99,249,903.00
	Indirect Cost (5% of total direct cost)	₦ 4,962,495.15.00
	Grand Total	₦ 104,212,398.15