



Republic of the Philippines
Department of Agriculture
BUREAU OF SOILS AND WATER MANAGEMENT
SRDC Bldg., Elliptical Road corner Visayas Avenue,
Diliman, Quezon City

BSWM- BIDS AND AWARDS COMMITTEE
SUPPLEMENTAL BID BULLETIN
ADDENDUM NO. 2021-08-023-01

CONTRACT: INVITATION TO BID FOR SUPPLY AND DELIVERY OF LABORATORY CHEMICALS FOR CY 2021
(IB No.: BSWM 2021-08-0023)

This **Addendum** is being issued in accordance with **Section 22.5.2 of the IRR of RA 9184**, to clarify and modify some provision of the Bidding Documents. **THIS SHALL FORM AN INTEGRAL PART OF THE BID DOCUMENT.** Likewise, the succeeding agreements and reminders were discussed during the **Pre-Bid Conference** held last **August 26, 2021, 9:30AM** at the **BSWM Function Hall** and via **Videoconferencing-Zoom**.

I. DISCUSSION OF THE BIDDING DOCUMENT:

- **Lot 1: Supply and Delivery of Laboratory Chemicals for Luzon Area**
ABC: Seven Million One Hundred One Thousand Five Hundred Pesos (PhP 7,101,500.00)

Lot 2: Supply and Delivery of Laboratory Chemicals for Visayas Area
ABC: One Million Seven Hundred Eighty-eight Thousand Pesos (PhP 1,788,000.00)

Lot 3: Supply and Delivery of Laboratory Chemicals for Mindanao Area
ABC: Two Million Two Hundred Fifty Thousand Pesos (PhP 2,250,000.00)

Total ABC: Eleven Million One Hundred Thirty-nine Thousand Five Hundred Pesos (PhP 11,139,500.00)

- For SLCC, **similar contract** shall be contract of **Supply and Delivery of Laboratory Chemicals completed** within two **(2) consecutive years** prior to the deadline for the submission and receipt of bids.

The Bidder should comply with the following requirements:

- Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *twenty-five percent (25%) in the case of expendable supplies* of the ABC for this Project; and
 - The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
- Delivery of goods is required **within sixty (60) calendar days** upon receipt of Notice to Proceed (NTP).
 - **Awarding** - One Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.
 - Submission shall be one (1) proposal per Lot.

II. SECTION VII. TECHNICAL SPECIFICATION:

| ITEM No. (on Section VII of Bid Document+) | ORIGINAL | AMENDED |
|---|--|---|
| 1 | Lot 1: Luzon Area | Lot 1: Luzon Area |
| 5 | NIST Traceable pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 7.00 (yellow); 1L/bottle |
| 6 | NIST Traceable pH Buffer Solution - pH 4.00 (pink); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 4.00 (pink); 1L/bottle |
| 7 | NIST Traceable pH Buffer Solution - pH 10.00 (blue); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 10.00 (blue); 1L/bottle |
| 21 | Sulfate Standard NIST Traceable, 500 mL/bottle (1000ppm) | Sulfate Standard NIST Traceable with Certificate of Analysis, 500 mL/bottle (1000ppm) |
| 22 | NIST Traceable - Nitrate (NO3), 500 ml/bottle (1000ppm) | NIST Traceable with Certificate of Analysis- Nitrate (NO3), 500 ml/bottle (1000ppm) |
| 30 | Sulfuric Acid, AR, Concentrated 2.5 L/bottle | Sulfuric Acid, AR, 98% Concentrated 2.5 L/bottle |
| 31 | Hydrochloric Acid, AR, Concentrated, 2.5 L/bottle | Hydrochloric Acid, AR, 37% Concentrated, 2.5 L/bottle |
| 35 | Sodium hydroxide, pellets, 1 Kg/pack, Technical Grade | Sodium hydroxide, pellets, 1 Kg/bottle, Technical Grade |
| 50 | Activated Charcoal, AR, Phosphate free, 1kg/bottle | Activated Charcoal, AR, Phosphate free with attached Certificate of Analysis, 1kg/bottle |
| 89 | Hydrogen Peroxide, AR, 500 ml/bottle. Supplier must have PNP required permits on Controlled Chemicals -For 3 RSLs (RSL CAR, RSL3 and RSL 4a), and BSWM | Hydrogen Peroxide, 50%, AR, 500 ml/bottle, Supplier must have PNP required permits on Controlled Chemicals |
| 1 | Lot 2: Visayas Area | Lot 2: Visayas Area |
| 5 | NIST Traceable pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 7.00 (yellow); 1L/bottle |
| 6 | NIST Traceable pH Buffer Solution - pH 4.00 (pink); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 4.00 (pink); 1L/bottle |
| 7 | NIST Traceable pH Buffer Solution - pH 10.00 (blue); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 10.00 (blue); 1L/bottle |
| 17 | Sulfuric Acid, AR, Concentrated 2.5 L/bottle | Sulfuric Acid, AR, 98% Concentrated 2.5 L/bottle |
| 18 | Hydrochloric Acid, AR, Concentrated, 2.5 L/bottle | Hydrochloric Acid, AR, 37% Concentrated, 2.5 L/bottle |
| 22 | Sodium hydroxide, pellets, 1 Kg/pack, Technical Grade | Sodium hydroxide, pellets, 1 Kg/bottle, Technical Grade |
| 37 | Activated Charcoal, AR, Phosphate free, 1kg/bottle | Activated Charcoal, AR, Phosphate free with attached Certificate of Analysis, 1kg/bottle |
| 1 | Lot 3: Mindanao Area | Lot 3: Mindanao Area |

| | | |
|----|---|--|
| 5 | NIST Traceable pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 7.00 (yellow); 1L/bottle |
| 6 | NIST Traceable pH Buffer Solution - pH 4.00 (pink); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 4.00 (pink); 1L/bottle |
| 7 | NIST Traceable pH Buffer Solution - pH 10.00 (blue); 1L/bottle | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 10.00 (blue); 1L/bottle |
| 17 | Sulfuric Acid, AR, Concentrated 2.5 L/bottle | Sulfuric Acid, AR, 98% Concentrated 2.5 L/bottle |
| 18 | Hydrochloric Acid, AR, Concentrated, 2.5 L/bottle | Hydrochloric Acid, AR, 37% Concentrated, 2.5 L/bottle |
| 22 | Sodium hydroxide, pellets, 1 Kg/pack, Technical Grade | Sodium hydroxide, pellets, 1 Kg/bottle, Technical Grade |
| 37 | Activated Charcoal, AR, Phosphate free, 1kg/bottle | Activated Charcoal, AR, Phosphate free with Certificate of Analysis, 1kg/bottle |
| | | Please see attached Annex A Revised Section VII: Technical Specifications. |

III. REMINDERS DURING THE PRE-BID CONFERENCE:

- The Bureau is now adopting the GPPB Resolution No. 16-2020 dated September 16, 2020 (Simplified PBDs shall be used for Competitive Bidding of Procurement Projects that will be posted upon its effectivity on 06 October 2020).
- The documents required for eligibility, technical proposal and financial proposal are found at **Section VIII – Checklist of Technical and Financial Documents** of the bidding document.
- Please refer to the bidding document for the **sample form of Single Largest Completed Contract (SLCC)** and form for **Statement of all ongoing Government & Private Contracts** including Contracts Awarded but not yet started for your reference.

Note: if no ongoing projects/ contracts, please state “none” or “no ongoing projects/contracts” in the form for the Statement of all on going Government and Private Contracts.

- Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”

“Any lacking documents can cause the automatic disqualification of bids.”

- Below are the **acceptable forms of bid security** that bidders may opt to use, **which shall include the Bid Securing Declaration**. The amount of which shall not be less than the required percentage of the ABC in accordance with the following schedule:

| Form of Bid Security | Amount of Bid Security (Not less than the required Percentage of the ABC) |
|---|---|
| Cash or cashier’s/manager’s check issued by a Universal or Commercial Bank. | Two percent (2%) |
| Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank. | |

| | |
|---|-------------------|
| Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security. | Five percent (5%) |
|---|-------------------|

- Bidders have the option to choose from any of the four (4) forms of Bid Security provided in the bid documents including the Bid Securing Declaration.
- Please be guided that the surety bond issued by GSIS as well as a cash deposit certificate is no longer accepted.
- The bidders are reminded that their Bids and Bid Securities **should be valid and firm** for a period that shall **not exceed one hundred twenty (120) calendar days** after the date of the opening of bids
- The computation of a prospective bidder's NFCC must be at least equal to the ABC to be bid, calculated as follows:
 - NFCC= [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under going contracts, including awarded contract yet to be started, coinciding with the contract to be bid.
 - **Note: K= 15 is a constant factor per RA 9184 Revised IRR**
- For **sealing and marking of bid proposal**, the bidders are requested to submit two (2) separate envelopes, placed in one sealed envelope. An illustration is provided on the bidding documents showing the required envelopes and markings of the documents for the eligibility screening, technical and financial proposal.
 - The bidders shall submit **one (1) copy of original documents** (certified true copies) and **one (1) duplicate copy**.
 - **All pages/documents** must be **duly signed** by the authorized representative (original and duplicate proposal).
- **The bidders are reminded of:**
 - Submission of the requirements within five (5) calendar days after the receipt of the Notice from the BAC that your bid has been identified as the Lowest Calculated Bid (LCB) and is subject for Post-Qualification of BAC TWG as stated in ITB Clause no. 20.2 of the Bid Documents.
 - Submission of **Performance Bond and Signed Contract Agreement within ten (10) calendar days after the receipt of Notice of Award (NOA)** as Lowest Calculated and Responsive Bid (LCRB) as stated in RA 9184 Section 37.2.1 and Section 37.2.2.
 - **Required Warranty Certificate from the Supplier** in order to assure that manufacturing defects will be corrected by the Supplier, as provided under Section 62.1 of the 2016 revised IRR of RA 9184 and as stated in the bidding documents Section VII- General Condition of Contract (GCC) Clause no. 5.
 - **All bidders** who wish to join the bidding **shall download the attached document from PhilGEPS website** to be included in the Document Request List (DRL). This is for awarding purposes in compliance to Section 37.1.6 of RA9184.
 - For easy reference, **all bidders shall provide dog-ear codes in the presentation of their documents**.

- Bidders may download the updated Bidding Forms at GPPB Website (<https://www.gppb.gov.ph/downloadables.php>).
- In case of withdrawal of submitted proposal, a letter stating their intention to withdraw from the project should be submitted by the bidder before the scheduled Opening of Bids.
- A complete set of **Bidding Document** may be acquired by interested Bidders until **September 14, 2021 9:00AM** from the address and website below and **upon payment** of the applicable fee, pursuant to the latest Guidelines issued by the GPPB.
 - For bank-to-bank payment (Land bank of the Philippines) for the purchase of bidding documents, please coordinate with the BAC Secretariat thru bswm.bacsec@gmail.com.
- **Schedule of Submission and Opening of Bids is subject to change** due to Community Quarantine enforced by the government in line with the COVID-19 pandemic. Please refer to the BSWM PhilGEPS posting for updates (<https://www.philgeps.gov.ph/>) and BSWM Procurement Service FB page <https://www.facebook.com/bswmpms>.
 - Bidders who wish to **attend the Opening of sealed Bids** will be **allowed thru videoconferencing (via Zoom)** as per GPPB Resolution No. 24-2018. Please coordinate with the BAC Secretariat a day before the Opening of bids thru bswm.bacsec@gmail.com. Said activity will also be available “live” through BSWM Procurement Service FB Page (<https://www.facebook.com/bswmpms>).
 - An authorization letter and photocopy of company ID for the representative of the bidders who shall submit bid proposal and will join the opening of bids on behalf of their company is required to be presented (including online attendees).

DEADLINE/SCHEDULE OF SUBMISSION AND OPENING OF BIDS:

Deadline of submission of bid proposal is on September 14, 2021, 9:00AM.

Opening of Bids is on September 14, 2021, 9:30AM at BSWM Function Room.

For precautionary measure against the COVID 19, bidder attendance will be through videoconferencing only.

For guidance and information of all concerned.

(SGD) DR. GINA P. NILO

OIC, Assistant Director / BAC Chairperson

Annex A: Revised Technical Specifications

| Item | Specification | Statement of Compliance | | |
|------|---|---|------|-------------------------|
| | | <p><i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p> | | |
| Item | Specifications | Qty | Unit | Statement of Compliance |
| 1 | Lot 1: Luzon Area | | | |
| 2 | Laboratory Chemicals for RSL CAR, RSL1, RSL 2, RSL 3, RSL 4a, RSL 5, BSWM(BSWM-LSD, Centers: Bulacan and Bukidnon) | | | |
| 3 | All chemicals include Delivery Charge and with at least 1 year expiration from the date of delivery Attachment: Certificate of Analysis, Safety Data Sheet, and expiry date/shelf life | | | |
| 4 | NIST Traceable Standards and | | | |

| | Powders included Delivery Charge | | | |
|----|--|----|--------|--|
| 5 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | 13 | Bottle | |
| 6 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 4.00 (pink); 1L/bottle | 13 | Bottle | |
| 7 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 10.00 (blue); 1L/bottle | 13 | Bottle | |
| 8 | EC Standard NIST Traceable with Certificate of Analysis, 84uS/cm, 500 ml/bottle | 3 | Bottle | |
| 9 | EC Standard NIST Traceable with Certificate of Analysis, 12.88mS/cm, 5bottle x60mL | 3 | Bottle | |
| 10 | EC Standard NIST Traceable with Certificate of Analysis, 147uS/cm, 500 ml/bottle | 5 | Bottle | |
| 11 | EC Standard NIST Traceable with Certificate of Analysis, 1413uS/cm, 500 ml/bottle | 5 | Bottle | |
| 12 | Iron Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 5 | Bottle | |
| 13 | Manganese Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 5 | Bottle | |
| 14 | Zinc Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 5 | Bottle | |
| 15 | Copper Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 5 | Bottle | |
| 16 | Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 13 | Bottle | |
| 17 | Magnesium Standard (NIST Traceable with Certificate of | 13 | Bottle | |

| | | | | |
|----|---|----|--------|--|
| | Analysis), 500mL/bottle | | | |
| 18 | Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 13 | Bottle | |
| 19 | Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 13 | Bottle | |
| 20 | Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis | 13 | Bottle | |
| 21 | Sulfate Standard NIST Traceable with Certificate of Analysis, 500 mL/bottle (1000ppm) | 2 | Bottle | |
| 22 | NIST Traceable with Certificate of Analysis- Nitrate (NO ₃), 500 ml/bottle (1000ppm) | 2 | Bottle | |
| 23 | L-lysine Monohydrochloride, NIST Traceable with Certificate of Analysis AR, 100g/bottle | 9 | Bottle | |
| 24 | Tris(hydroxymethyl)aminomethane (THAM), NIST Traceable with Certificate of Analysis, ≥99% Powder, 100g/bottle | 9 | Bottle | |
| 25 | Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle | 9 | Bottle | |
| 26 | Multi-element Standard 1 (elements in Mehlich 3) NIST Traceable with Certificate of Analysis. 500mL/bottle 10 ppm K, 50 ppm Ca, 10 ppm Na, 10ppm Mg and 10ppm Fe, 2 ppm Mn, 2ppm Cu and 2ppm Zn. | 1 | bottle | |
| 27 | Multi-element Standard 2 (elements in Mehlich 3) NIST Traceable with Certificate of Analysis. 500mL/bottle 25 ppm K, 100 ppm Ca, 50 ppm Mg, 25 ppm Na and 25ppm Fe, 5 ppm Mn, 5ppm Cu and 5ppm Zn | 1 | bottle | |

| | | | | |
|----|---|-----|--------|--|
| 28 | Multi-element Standard 3 (elements in Mehlich 3) NIST Traceable with Certificate of Analysis. 500mL/bottle 50 ppm K, 500 ppm Ca, 50 ppm Na and Fe, 100 ppm Mg , 10 ppm Mn, Cu and Zn. | 1 | bottle | |
| 29 | Acids Reagents included Delivery Charge | | | |
| 30 | Sulfuric Acid, AR, 98%Concentrated 2.5 L/bottle | 62 | Bottle | |
| 31 | Hydrochloric Acid, AR,37% Concentrated, 2.5 L/bottle | 17 | Bottle | |
| 32 | Glacial Acetic Acid, 99% concentration, AR, 2.5L/Bottle | 11 | Bottle | |
| 33 | Nitric Acid, AR, 2.5L/bottle >68%, Supplier must have PNP required permit on Controlled Chemicals For 3 RSLs (RSL CAR, RSL 3 and RSL 4A) and BSWM | 14 | Bottle | |
| 34 | Analytical Reagent (Powdered) included Delivery Charge | | | |
| 35 | Sodium hydroxide, pellets, 1 Kg/bottle, Technical Grade | 36 | Bottle | |
| 36 | Sodium Bicarbonate, AR, 500g/bottle | 114 | Bottle | |
| 37 | Ammonium Acetate, AR 98%, 500g/bottle | 100 | Bottle | |
| 38 | Ammonium Fluoride, AR grade, 500g/bottle | 18 | Bottle | |
| 39 | Potassium Dichromate, AR, Powder, 500g/bottle | 18 | Bottle | |
| 40 | Potassium Sulfate, AR, 500g/bottle | 11 | Bottle | |
| 41 | Ammonium Sulfate, AR, 500g/bottle | 18 | Bottle | |
| 42 | Copper sulfate pentahydrate, AR, 500g/bottle | 13 | Bottle | |

| | | | | |
|----|--|-----|--------|--|
| 43 | Ammonium Molybdate, AR, 500g, bottle | 21 | Bottle | |
| 44 | Ascorbic Acid, 100g/bottle, AR | 21 | Bottle | |
| 45 | Potassium Antimony Tartrate, AR, 500g/bottle | 21 | Bottle | |
| 46 | Ethylenediaminetetraacetic acid (EDTA), 500g/bottle | 11 | Bottle | |
| 47 | Methyl Red, AR, 5g/bottle | 11 | Bottle | |
| 48 | Bromocresol green, AR, 5g/bottle | 16 | Bottle | |
| 49 | Boric Acid AR, 500g/bottle | 26 | Bottle | |
| 50 | Activated Charcoal, AR, Phosphate free with attached Certificate of Analysis, 1kg/bottle | 13 | Bottle | |
| 51 | Sodium Hexametaphosphate, AR, 500g/bottle | 20 | bottle | |
| 52 | Sodium carbonate monohydrate, AR, 500g, bottle | 15 | bottle | |
| 53 | Chlorophenol Red, Indicator grade, AR, 5g/bottle | 6 | bottle | |
| 54 | Bromothymol Blue Indicator, AR, 5g/bottle | 6 | bottle | |
| 55 | Sodium Cobaltinitrite, extra pure, AR, 100g/bottle | 100 | bottle | |
| 56 | Sulfanilic Acid, ACS, AR, 100g/bottle | 2 | bottle | |
| 57 | Murexide, 25g/bottle, indicator grade, AR | 1 | bottle | |
| 58 | Dithizone, 10g/bottle, AR | 1 | bottle | |
| 59 | Potassium Bisulfate, 500g/bottle, AR | 1 | bottle | |
| 60 | Carbon Tetrachloride, 500ml/bottle, AR | 1 | bottle | |
| 61 | Phenolphthalein, 500g/bottle, AR | 3 | bottle | |

| | | | | |
|----|--|----|--------|--|
| 62 | Ammonium metavanadate, AR, powder, 500g/bottle | 2 | bottle | |
| 63 | Ammonium Chloride, AR, 500g/bottle | 5 | bottle | |
| 64 | Ammonium hydroxide, conc., AR, 2.5 L/bottle | 3 | bottle | |
| 65 | Sulphanilamide, AR, 50 g/bottle | 2 | bottle | |
| 66 | N-(1-naphtyl)-ethylenediamine dihydrochloride (NED), AR, 100g/bottle | 2 | bottle | |
| 67 | Zinc powder, 99.99%, AR, 10g/bottle | 2 | bottle | |
| 68 | Chromotropic acid, AR, 100g/bottle | 5 | bottle | |
| 69 | p-nitroaniline, AR, 500g/bottle | 5 | bottle | |
| 70 | Potassium chloride, AR, 500g/bottle | 20 | bottle | |
| 71 | Malonic acid, AR, 500g/bottle | 5 | bottle | |
| 72 | Potassium bromide, AR, 250g/bottle | 5 | bottle | |
| 73 | Aluminum potassium sulfate, AR, 100g/bottle | 2 | bottle | |
| 74 | Aluminum ammonium sulfate, AR, 500g/bottle | 2 | bottle | |
| 75 | Potassium Chromate, AR, 500g/bottle | 2 | bottle | |
| 76 | Silver Nitrate, AR, 250g/bottle | 2 | bottle | |
| 77 | Sodium chloride, AR, 500g/bottle | 2 | bottle | |
| 78 | Metacresol purple, AR, 5g/bottle | 2 | bottle | |
| 79 | Calcium Carbonate, 500g/bottle, AR | 1 | bottle | |
| 80 | Diethyltriaminepentaacetic acid (DTPA), AR, 100g/bottle | 3 | bottle | |
| 81 | Barium Chloride Dihydrate, AR, 500g/bottle | 10 | bottle | |
| 82 | Sodium Fluoride, AR, 500 g/bottle | 1 | bottle | |

| | | | | |
|----|---|----|--------|--|
| 83 | Ammonium Nitrate, AR 1kg/bottle, Supplier must have PNP required permits on Controlled Chemicals -For 3 RSLs (RSL CAR, RSL3 and RSL 4a), and BSWM | 14 | bottle | |
| 84 | Selenium, AR, 100g/bottle | 1 | bottle | |
| 85 | Potassium Nitrate, AR, 500g/bottle | 1 | bottle | |
| 86 | Magnesium Chloride hexahydrate, 500g/bottle, AR | 1 | bottle | |
| 87 | Sulfurous Acid, 500g/bottle, AR | 1 | bottle | |
| 88 | Strontium Chloride, Crystals, AR, 500g/bottle | 10 | bottle | |
| 89 | Hydrogen Peroxide, 50%, AR, 500 ml/bottle, Supplier must have PNP required permits on Controlled Chemicals | 10 | bottle | |
| 90 | Microbiology Reagents included Delivery Charge | | | |
| 91 | Nutrient agar 500g/bottle, tan, free- flowing, pellet, pH 6.8+/- 0.2, bottle | 5 | bottle | |
| 92 | Rose Bengal Agar Dye content: ~90%, 25g/bottle, Red to brown powder or chunks. | 5 | bottle | |
| 93 | Peptone meat peptic digested, granulated, for microbiology, 100/bottle | 3 | bottle | |
| 94 | N,N-Dimethyl-1-naphthylamine, 25mL/bottle | 1 | bottle | |
| 95 | Plate Count Agar, 500g/bottle pellet | 2 | bottle | |
| 96 | Lauryl Tryptose Broth, 500g/bottle pellet | 2 | bottle | |
| 97 | Endo agar, 500 g/bottle pellet | 1 | bottle | |
| 98 | EC Broth, 500g/bottle | 1 | bottle | |

| | | | | |
|-----|--|----|--------|--|
| 99 | Brilliant green agar, 500g/bottle | 1 | bottle | |
| 100 | Lactose Broth, 500g/bottle | 1 | bottle | |
| 101 | MacConkey Agar, 500g/bottle | 1 | bottle | |
| 102 | Geobacillus stearothermophilus spore strip culture medium | 1 | bottle | |
| 103 | Geobacillus stearothermophilus spore strip | 1 | pack | |
| 104 | Ox Gall, Powder, 100g/bottle | 1 | bottle | |
| 105 | Agar Powder, 500g/bottle, medium yellow cream to cream tan pH 5.5 to 7.5 | 2 | bottle | |
| 106 | Tryptic soy broth, 250 g/bottle | 1 | bottle | |
| 107 | Formaldehyde Stabilized 10% Formain Solution, 5L | 1 | bottle | |
| 108 | Solvents Reagent included Delivery Charge | | | |
| 109 | Acetone, Reagent Grade, 1L/bottle | 1 | bottle | |
| 110 | Ethanol, technical grade, 95%, 20L/ carboy | 20 | carboy | |
| 111 | Triethanol amine, AR, 2.5 L/Bottle | 2 | bottle | |
| 112 | Ethanol AR ≥ 99% 2.5 L/bottle | 28 | Bottle | |
| 113 | Amyl Alcohol, ≥99%, 1000ml/bottle | 10 | bottle | |
| 114 | Conformity to DISTRIBUTION OF LABORATORY CHEMICALS PER SITE listed below. | | | |
| 115 | Conformity to SECTION VI: SCHEDULE OF REQUIREMENTS | | | |
| | | | | |
| 1 | Lot 2: Visayas Area | | | |
| 2 | Laboratory Chemicals for RSL 6, RSL7, RSL 8 and Bohol) | | | |

| | | | | |
|----|--|---|--------|--|
| 3 | All chemicals include Delivery Charge and with at least 1 year expiration from the date of delivery Attachment: Certificate of Analysis, Safety Data Sheet and expiry date/shelf life | | | |
| 4 | NIST Traceable Standards and Powders included Delivery Charge | | | |
| 5 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | 4 | Bottle | |
| 6 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 4.00 (pink); 1L/bottle | 4 | Bottle | |
| 7 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 10.00 (blue); 1L/bottle | 4 | Bottle | |
| 8 | Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 4 | Bottle | |
| 9 | Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 4 | Bottle | |
| 10 | Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 4 | Bottle | |
| 11 | Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 4 | Bottle | |
| 12 | Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis | 4 | Bottle | |
| 13 | L-lysine Monohydrochloride, NIST Traceable with Certificate of Analysis AR, 100g/bottle | 4 | Bottle | |
| 14 | Tris(hydroxymethyl)aminomethane (THAM), NIST Traceable with Certificate of Analysis, $\geq 99\%$ Powder, 100g/bottle | 4 | Bottle | |

| | | | | |
|----|--|----|--------|--|
| 15 | Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle | 4 | Bottle | |
| 16 | Acids Reagents included Delivery Charge | | | |
| 17 | Sulfuric Acid, AR,98% Concentrated 2.5 L/bottle | 16 | Bottle | |
| 18 | Hydrochloric Acid, AR, 37%Concentrated, 2.5 L/bottle | 4 | Bottle | |
| 19 | Glacial Acetic Acid, AR, 99% Concentration, 2.5L/Bottle | 4 | Bottle | |
| 20 | Nitric Acid, AR, 2.5L/bottle $\geq 68\%$, Supplier must have PNP required permit on Controlled Chemicals - For 2 RSLs (RSL 6 and RSL 7) | 2 | Bottle | |
| 21 | Analytical Reagent (Powdered) included Delivery Charge | | | |
| 22 | Sodium hydroxide, pellets, 1 Kg/bottle, Technical Grade | 8 | Bottle | |
| 23 | Sodium Bicarbonate, AR, 500g/bottle | 32 | Bottle | |
| 24 | Ammonium Acetate, AR 98%, 500g/bottle | 40 | Bottle | |
| 25 | Ammonium Fluoride, AR grade, 500g/bottle | 8 | Bottle | |
| 26 | Potassium Dichromate, AR, Powder, 500g/bottle | 4 | Bottle | |
| 27 | Potassium Sulfate, AR, 500g/bottle | 4 | Bottle | |
| 28 | Ammonium Sulfate, AR, 500g/bottle | 8 | Bottle | |
| 29 | Copper sulfate pentahydrate, AR, 500g/bottle | 4 | Bottle | |
| 30 | Ammonium Molybdate, AR, 500g, bottle | 8 | Bottle | |
| 31 | Ascorbic Acid, 100g/bottle, AR | 8 | Bottle | |

| | | | | |
|----|--|---|--------|--|
| 32 | Potassium Antimony Tartrate, AR, 500g/bottle | 8 | Bottle | |
| 33 | Ethylenediaminetetraacetic acid (EDTA), 500g/bottle | 4 | Bottle | |
| 34 | Methyl Red, AR, 5g/bottle | 4 | Bottle | |
| 35 | Bromocresol green, AR, 5g/bottle | 4 | Bottle | |
| 36 | Boric Acid AR, 500g/bottle | 8 | Bottle | |
| 37 | Activated Charcoal, AR, Phosphate free with attached Certificate of Analysis, 1kg/bottle | 4 | Bottle | |
| 38 | Ammonium Nitrate, AR 1kg/bottle, Supplier must have PNP required permit on Controlled Chemicals - For 2 RSLs (RSL 6 and RSL 7) | 2 | bottle | |
| 39 | Solvents Reagent included Delivery Charge | | | |
| 40 | Ethanol AR \geq 99% 2.5 L/bottle | 4 | Bottle | |
| 41 | Conformity to DISTRIBUTION OF LABORATORY CHEMICALS PER SITE listed below. | | | |
| 42 | Conformity to SECTION VI: SCHEDULE OF REQUIREMENTS | | | |
| | | | | |
| 1 | Lot 3: Mindanao Area | | | |
| 2 | Laboratory Chemicals for RSL 9, RSL10, RSL 11, RSL 12, RSL 13 | | | |
| 3 | All chemicals include Delivery Charge and with at least 1 year expiration from the date of delivery Attachment: Certificate of Analysis, Safety Data Sheet and expiry date/shelf life | | | |
| 4 | NIST Traceable Standards and Powders included Delivery Charge | | | |

| | | | | |
|----|--|----|--------|--|
| 5 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | 5 | Bottle | |
| 6 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 4.00 (pink); 1L/bottle | 5 | Bottle | |
| 7 | NIST Traceable with Certificate of Analysis pH Buffer Solution - pH 10.00 (blue); 1L/bottle | 5 | Bottle | |
| 8 | Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 5 | Bottle | |
| 9 | Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 5 | Bottle | |
| 10 | Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 5 | Bottle | |
| 11 | Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 5 | Bottle | |
| 12 | Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis | 5 | Bottle | |
| 13 | L-lysine Monohydrochloride, NIST Traceable with Certificate of Analysis AR, 100g/bottle | 5 | Bottle | |
| 14 | Tris(hydroxymethyl)aminomethane (THAM), NIST Traceable with Certificate of Analysis, $\geq 99\%$ Powder, 100g/bottle | 5 | Bottle | |
| 15 | Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle | 5 | Bottle | |
| 16 | Acids Reagents included Delivery Charge | | | |
| 17 | Sulfuric Acid, AR, 98% Concentrated 2.5 L/bottle | 20 | Bottle | |

| | | | | |
|----|---|----|--------|--|
| 18 | Hydrochloric Acid, AR, 37% Concentrated, 2.5 L/bottle | 5 | Bottle | |
| 19 | Glacial Acetic Acid, AR, 99% concentration, 2.5L/Bottle | 5 | Bottle | |
| 20 | Nitric Acid, AR, 2.5L/bottle $\geq 68\%$, Supplier must have PNP required permit on Controlled Chemicals -For 3 RSLs (RSL 9, RSL10 and RSL 13) | 3 | Bottle | |
| 21 | Analytical Reagent (Powdered) included Delivery Charge | | | |
| 22 | Sodium hydroxide, pellets, 1 Kg/bottle, Technical Grade | 10 | Bottle | |
| 23 | Sodium Bicarbonate, AR, 500g/bottle | 40 | Bottle | |
| 24 | Ammonium Acetate, AR 98%, 500g/bottle | 50 | Bottle | |
| 25 | Ammonium Fluoride, AR grade, 500g/bottle | 10 | Bottle | |
| 26 | Potassium Dichromate, AR, Powder, 500g/bottle | 5 | Bottle | |
| 27 | Potassium Sulfate, AR, 500g/bottle | 5 | Bottle | |
| 28 | Ammonium Sulfate, AR, 500g/bottle | 10 | Bottle | |
| 29 | Copper sulfate pentahydrate, AR, 500g/bottle | 5 | Bottle | |
| 30 | Ammonium Molybdate, AR, 500g, bottle | 10 | Bottle | |
| 31 | Ascorbic Acid, 100g/bottle, AR | 10 | Bottle | |
| 32 | Potassium Antimony Tartrate, AR, 500g/bottle | 10 | Bottle | |
| 33 | Ethylenediaminetetraacetic acid (EDTA), 500g/bottle | 5 | Bottle | |
| 34 | Methyl Red, AR, 5g/bottle | 5 | Bottle | |
| 35 | Bromocresol green, AR, 5g/bottle | 5 | Bottle | |

| | | | | |
|----|--|----|--------|--|
| 36 | Boric Acid AR, 500g/bottle | 10 | Bottle | |
| 37 | Activated Charcoal, AR, Phosphate free with Certificate of Analysis, 1kg/bottle | 5 | Bottle | |
| 38 | Ammonium Nitrate, AR 1kg/bottle Supplier must have PNP required permit on Controlled Chemicals -For 3 RSLs (RSL 9, RSL10 and RSL 13) | 3 | bottle | |
| 39 | Solvents Reagent included Delivery Charge | | | |
| 40 | Ethanol AR \geq 99% 2.5 L/bottle | 5 | Bottle | |
| 41 | Conformity to DISTRIBUTION OF LABORATORY CHEMICALS PER SITE listed below. | | | |
| 42 | Conformity to SECTION VI: SCHEDULE OF REQUIREMENTS | | | |
| | | | | |

DISTRIBUTION OF LABORATORY CHEMICALS PER SITE

| DISTRIBUTION OF LABORATORY CHEMICALS TO BSWM, RESEARCH CENTER OFFSITE, REGIONAL AND PROVINCIAL SOIL LABORATORIES | | | | | | | | |
|---|-----|----------|-----------|------------|--------------|-------|--|-------|
| LOT 1 | | | | | | | | |
| | CAR | RSL I | RSL II | RSL III | RSL IV- A | RSL V | BSWM (LSD, Centers: Bulacan and Bukidnon) | TOTAL |
| NIST Traceable pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| NIST Traceable pH Buffer Solution - pH 4.00 (pink); 1L/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| NIST Traceable pH Buffer Solution - pH 10.00 (blue); 1L/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| EC Standard NIST Traceable with Certificate of Analysis, 84uS/cm, 500 ml/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| EC Standard NIST Traceable with Certificate of Analysis, 12.88mS/cm, 5bottle x60mL | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| EC Standard NIST Traceable with Certificate of Analysis, 147uS/cm, 500 ml/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| EC Standard NIST Traceable with Certificate of Analysis, 1413uS/cm, 500 ml/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Iron Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Manganese Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Zinc Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Copper Standard(NIST Traceable with Certificate of Analysis), 500mL/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| Magnesium Standard (NIST Traceable with | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |

| | | | | | | | | |
|--|---|---|---|---|---|---|---|----|
| Certificate of Analysis), 500mL/bottle | | | | | | | | |
| Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| Sulfate Standard NIST Traceable , 500 mL/bottle (1000ppm) | | | | | | | 2 | 2 |
| NIST Traceable - Nitrate (NO3), 500 ml/bottle (1000ppm) | | | | | | | 2 | 2 |
| L-lysine Monohydrochloride, NIST Traceable with Certificate of Analysis AR, 100g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 9 |
| Tris(hydroxymethyl)aminomethane (THAM), NIST Traceable with Certificate of Analysis, ≥99% Powder, 100g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 9 |
| Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 9 |
| Multi-element Standard 1 (elements in Mehlich 3) NIST Traceable with Certificate of Analysis. 500mL/bottle 10 ppm K, 50 ppm Ca, 10 ppm Na, 10ppm Mg and 10ppm Fe, 2 ppm Mn, 2ppm Cu and 2ppm Zn. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Multi-element Standard (elements in Mehlich 3) NIST Traceable with Certificate of Analysis. 500mL/bottle 25 ppm K, 100 ppm Ca, 50 ppm Mg, 25 ppm Na and 25ppm Fe, 5 ppm Mn, 5ppm Cu and 5ppm Zn | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| ICP-OES Multi-element Standard (elements in Mehlich 3) | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |

| | | | | | | | | |
|---|----|----|----|----|----|----|----|-----|
| NIST Traceable with Certificate of Analysis. 500mL/bottle 50 ppm K, 500 ppm Ca, 50 ppm Na and Fe, 100 ppm Mg , 10 ppm Mn, Cu and Zn. | | | | | | | | |
| Acids Reagents included Delivery Charge | | | | | | | | |
| Sulfuric Acid, AR, Concentrated 2.5 L/bottle | 4 | 4 | 4 | 4 | 4 | 4 | 38 | 62 |
| Hydrochloric Acid, AR, Concentrated, 2.5 L/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 17 |
| Glacial Acetic Acid, AR, 2.5L/Bottle | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 11 |
| Nitric Acid, AR, 2.5L/bottle $\geq 68\%$ | 1 | 0 | 0 | 1 | 1 | 0 | 11 | 14 |
| Analytical Reagent (Powdered) included Delivery Charge | | | | | | | | 0 |
| Sodium hydroxide, pellets, 1 Kg/pack, Technical Grade | 2 | 2 | 2 | 2 | 2 | 2 | 24 | 36 |
| Sodium Bicarbonate, AR, 500g/bottle | 8 | 8 | 8 | 8 | 8 | 8 | 66 | 114 |
| Ammonium Acetate, AR 98%, 500g/bottle | 10 | 10 | 10 | 10 | 10 | 10 | 40 | 100 |
| Ammonium Fluoride, AR grade, 500g/bottle | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 18 |
| Potassium Dichromate, AR, Powder, 500g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 18 |
| Potassium Sulfate, AR, 500g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 11 |
| Ammonium Sulfate, AR, 500g/bottle | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 18 |
| Copper sulfate pentahydrate, AR, 500g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| Ammonium Molybdate, AR, 500g, bottle | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 21 |
| Ascorbic Acid, 100g/bottle, AR | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 21 |
| Potassium Antimony Tartrate, AR, 500g/bottle | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 21 |
| Ethylenediaminetetraacetic acid (EDTA), 500g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 11 |
| Methyl Red, AR, 5g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 11 |
| Bromocresol green, AR, 5g/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 16 |
| Boric Acid AR, 500g/bottle | 2 | 2 | 2 | 2 | 2 | 2 | 14 | 26 |
| Activated Charcoal, AR, Phosphate free, 1kg/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 |
| Sodium Hexametaphosphate, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 20 |

| | | | | | | | | |
|--|---|---|---|---|---|---|-----|-----|
| Sodium carbonate monohydrate, AR, 500g, bottle | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 |
| Chlorophenol Red, Indicator grade, AR, 5g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| Bromothymol Blue Indicator, AR, 5g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| Sodium Cobaltinitrite, extra pure, AR, 100g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 |
| Sulfanilic Acid, ACS, AR, 100g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Murexide, 25g/bottle, indicator grade, AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Dithizone, 10g/bottle, AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Potassium Bisulfate, 500g/bottle, AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Carbon Tetrachloride, 500ml/bottle, AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Phenolphthalein, 500g/bottle, AR | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Ammonium metavanadate, AR, powder, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Ammonium Chloride, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Ammonium hydroxide, conc., AR, 2.5 L/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Sulphanilamide, AR, 50 g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| N-(1-naphtyl)-ethylenediamine dihydrochloride (NED), AR, 100g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Zinc powder, 99.99%, AR, 10g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Chromotropic acid, AR, 100g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| p-nitroaniline, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Potassium chloride, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 20 |
| Malonic acid, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Potassium bromide, AR, 250g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Aluminum potassium sulfate, AR, 100g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Aluminum ammonium sulfate, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Potassium Chromate, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Silver Nitrate, AR, 250g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Sodium chloride, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Metacresol purple, AR, 5g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |

| | | | | | | | | |
|--|---|---|---|---|---|---|----|----|
| Calcium Carbonate, 500g/bottle, AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Diethyltriaminepentaacetic acid (DTPA), AR, 100g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Barium Chloride Dihydrate, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| Sodium Fluoride, AR, 500 g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Ammonium Nitrate, AR 1kg/bottle | 1 | 0 | 0 | 1 | 1 | 0 | 11 | 14 |
| Selenium, AR, 100g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Potassium Nitrate, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Magnesium Chloride hexahydrate, 500g/bottle, AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Sulfurous Acid, 500g/bottle, AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Strontium Chloride, Crystals, AR, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| Hydrogen Peroxide, 30%-50%, AR, 500 ml/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| Microbiology Reagents included Delivery Charge | | | | | | | | |
| Nutrient agar 500g/bottle, tan, free-flowing, pellet, pH 6.8+/- 0.2, bottle | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Rose Bengal Agar Dye content: ~90%, 25g/bottle, Red to brown powder or chunks. | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Peptone meat peptic digested, granulated, for microbiology, 100/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| N,N-Dimethyl-1-naphthylamine, 25mL/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Plate Count Agar, 500g/bottle pellet | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Lauryl Tryptose Broth, 500g/bottle pellet | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Endo agar, 500 g/bottle pellet | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| EC Broth, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Brilliant green agar, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Lactose Broth, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| MacConkey Agar, 500g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Geobacillus stearothermophilus spore strip culture medium | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Geobacillus stearothermophilus spore strip | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Ox Gall, Powder, 100g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |

| | | | | | | | | |
|--|---|---|---|---|---|---|----|----|
| Agar Powder, 500g/bottle, medium yellow cream to cream tan pH 5.5 to 7.5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Tryptic soy broth, 250 g/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Formaldehyde Stabilized 10% Formain Solution, 5L | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Solvents Reagent included Delivery Charge | | | | | | | | |
| Acetone, Reagent Grade, 1L/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Ethanol, technical grade, 95%, 20L/ carboy | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 20 |
| Triethanol amine, AR, 2.5 L/Bottle | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Ethanol AR \geq 99% 4 L/bottle | 1 | 1 | 1 | 1 | 1 | 1 | 22 | 28 |
| Amyl Alcohol, \geq 99%, 1000ml/bottle | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |

| LOT 2 | | | | | |
|---|--------|---------|----------|-------|-------|
| | RSL VI | RSL VII | RSL VIII | Bohol | TOTAL |
| NIST Traceable pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | 1 | 1 | 1 | 1 | 4 |
| NIST Traceable pH Buffer Solution - pH 4.00 (pink); 1L/bottle | 1 | 1 | 1 | 1 | 4 |
| NIST Traceable pH Buffer Solution - pH 10.00 (blue); 1L/bottle | 1 | 1 | 1 | 1 | 4 |
| Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 4 |
| Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 4 |
| Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 4 |
| Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 4 |
| Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis | 1 | 1 | 1 | 1 | 4 |
| L-lysine Monohydrochloride, NIST Traceable with Certificate of Analysis AR, 100g/bottle | 1 | 1 | 1 | 1 | 4 |
| Tris(hydroxymethyl)aminomethane (THAM), NIST Traceable | 1 | 1 | 1 | 1 | 4 |

| | | | | | |
|--|----|----|----|----|----|
| with Certificate of Analysis, $\geq 99\%$ Powder, 100g/bottle | | | | | |
| Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle | 1 | 1 | 1 | 1 | 4 |
| Acids Reagents included Delivery Charge | | | | | |
| Sulfuric Acid, AR, Concentrated 2.5 L/bottle | 4 | 4 | 4 | 4 | 16 |
| Hydrochloric Acid, AR, Concentrated, 2.5 L/bottle | 1 | 1 | 1 | 1 | 4 |
| Glacial Acetic Acid, AR, 2.5L/Bottle | 1 | 1 | 1 | 1 | 4 |
| Nitric Acid, AR, 2.5L/bottle $\geq 68\%$ | 1 | 1 | 0 | 0 | 2 |
| Analytical Reagent (Powdered) included Delivery Charge | | | | | |
| Sodium hydroxide, pellets, 1 Kg/pack, Technical Grade | 2 | 2 | 2 | 2 | 8 |
| Sodium Bicarbonate, AR, 500g/bottle | 8 | 8 | 8 | 8 | 32 |
| Ammonium Acetate, AR 98%, 500g/bottle | 10 | 10 | 10 | 10 | 40 |
| Ammonium Fluoride, AR grade, 500g/bottle | 2 | 2 | 2 | 2 | 8 |
| Potassium Dichromate, AR, Powder, 500g/bottle | 1 | 1 | 1 | 1 | 4 |
| Potassium Sulfate, AR, 500g/bottle | 1 | 1 | 1 | 1 | 4 |
| Ammonium Sulfate, AR, 500g/bottle | 2 | 2 | 2 | 2 | 8 |
| Copper sulfate pentahydrate, AR, 500g/bottle | 1 | 1 | 1 | 1 | 4 |
| Ammonium Molybdate, AR, 500g, bottle | 2 | 2 | 2 | 2 | 8 |
| Ascorbic Acid, 100g/bottle, AR | 2 | 2 | 2 | 2 | 8 |
| Potassium Antimony Tartrate, AR, 500g/bottle | 2 | 2 | 2 | 2 | 8 |
| Ethylenediaminetetraacetic acid (EDTA), 500g/bottle | 1 | 1 | 1 | 1 | 4 |
| Methyl Red, AR, 5g/bottle | 1 | 1 | 1 | 1 | 4 |
| Bromocresol green, AR, 5g/bottle | 1 | 1 | 1 | 1 | 4 |
| Boric Acid AR, 500g/bottle | 2 | 2 | 2 | 2 | 8 |
| Activated Charcoal, AR, Phosphate free, 1kg/bottle | 1 | 1 | 1 | 1 | 4 |
| Ammonium Nitrate, AR 1kg/bottle | 1 | 1 | 0 | 0 | 2 |
| Solvents Reagent included Delivery Charge | | | | | |
| Ethanol AR $\geq 99\%$ 4 L/bottle | 1 | 1 | 1 | 1 | 4 |

LOT 3

| | RSL IX | RSL X | RSL XI | RSL XII | RSL XIII | TOTAL |
|--|--------|-------|--------|---------|----------|-------|
| NIST Traceable pH Buffer Solution - pH 7.00 (yellow); 1L/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| NIST Traceable pH Buffer Solution | 1 | 1 | 1 | 1 | 1 | 5 |

| | | | | | | |
|---|----|----|----|----|----|----|
| - pH 4.00 (pink); 1L/bottle | | | | | | |
| NIST Traceable pH Buffer Solution - pH 10.00 (blue); 1L/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis | 1 | 1 | 1 | 1 | 1 | 5 |
| L-lysine Monohydrochloride, NIST Traceable with Certificate of Analysis AR, 100g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Tris(hydroxymethyl)aminomethane (THAM), NIST Traceable with Certificate of Analysis, ≥99% Powder, 100g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Sulfuric Acid, AR, Concentrated 2.5 L/bottle | 4 | 4 | 4 | 4 | 4 | 20 |
| Hydrochloric Acid, AR, Concentrated, 2.5 L/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Glacial Acetic Acid, AR, 2.5L/Bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Nitric Acid, AR, 2.5L/bottle ≥68% | 1 | 1 | 0 | 0 | 1 | 3 |
| Sodium hydroxide, pellets, 1 Kg/pack, Technical Grade | 2 | 2 | 2 | 2 | 2 | 10 |
| Sodium Bicarbonate, AR, 500g/bottle | 8 | 8 | 8 | 8 | 8 | 40 |
| Ammonium Acetate, AR 98%, 500g/bottle | 10 | 10 | 10 | 10 | 10 | 50 |
| Ammonium Fluoride, AR grade, 500g/bottle | 2 | 2 | 2 | 2 | 2 | 10 |
| Potassium Dichromate, AR, Powder, 500g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Potassium Sulfate, AR, 500g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Ammonium Sulfate, AR, 500g/bottle | 2 | 2 | 2 | 2 | 2 | 10 |

| | | | | | | |
|---|---|---|---|---|---|----|
| Copper sulfate pentahydrate, AR, 500g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Ammonium Molybdate, AR, 500g, bottle | 2 | 2 | 2 | 2 | 2 | 10 |
| Ascorbic Acid, 100g/bottle, AR | 2 | 2 | 2 | 2 | 2 | 10 |
| Potassium Antimony Tartrate, AR, 500g/bottle | 2 | 2 | 2 | 2 | 2 | 10 |
| Ethylenediaminetetraacetic acid (EDTA), 500g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Methyl Red, AR, 5g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Bromocresol green, AR, 5g/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Boric Acid AR, 500g/bottle | 2 | 2 | 2 | 2 | 2 | 10 |
| Activated Charcoal, AR, Phosphate free, 1kg/bottle | 1 | 1 | 1 | 1 | 1 | 5 |
| Ammonium Nitrate, AR 1kg/bottle | 1 | 1 | 0 | 0 | 1 | 3 |
| Ethanol AR ≥ 99% 4 L/bottle | 1 | 1 | 1 | 1 | 1 | 5 |

Name of Authorized Representative

Signature

Date Signed