

**PROCUREMENT PLAN** **Bhutan : Hydromet Services and Disaster Resilience Regional project**
**General Information**
**Country:** Bhutan **Bank / Approval Date of the Original Procurement Plan:** 2016-06-01  
**Revised Plan Date(s): (comma delineated, leave blank if none)** 2016-10-21

**Project ID:** P154477 **GNP Date:**
**Project Name:** Hydromet Services and Disaster Resilience Regional project

**Loan / Credit No.:** TF / A3507, TF / A3513, TF / A3511

**Executing Agency(ies):** Department of Agriculture, Ministry of Agriculture and Forests, Department of Disaster Management, Ministry of Home & Cultural Affairs, Department of Hydromet Services, Ministry of Economic Affairs

| Activity Reference No./ Description  | Loan / Credit No.                      | Component  | Review Type | Method           | Market Approach | Procurement Process         | Prequalification (Y/N) | Estimated Amount (US\$) | Actual Amount (US\$) | Process Status         | Draft Pre-qualification Documents |        | Prequalification Evaluation Report |        | Draft Bidding Document / Justification |        | Specific Procurement Notice / Invitation |        | Bidding Documents as Issued |        | Proposal Submission / Opening / Minutes |            | Bid Evaluation Report and Recommendation for Award |            | Signed Contract |            | Contract Completion |            |
|--|--|--|-------------|------------------|-----------------|-----------------------------|------------------------|-------------------------|----------------------|------------------------|-----------------------------------|--------|------------------------------------|--------|--|--------|--|--------|-----------------------------|--------|---|------------|--|------------|-----------------|------------|---------------------|------------|
|  |  |  |             |                  |                 |                             |                        |                         |                      |                        | Planned                           | Actual | Planned                            | Actual | Planned                                | Actual | Planned                                  | Actual | Planned                     | Actual | Planned                                 | Actual     | Planned  | Actual     | Planned         | Actual     | Planned             | Actual     |
| BT-DDM-155-CW-RFB / Construction of National Emergency Operation Center                | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster Preparedness and Response Capacity Improvement | Post        | Request for Bids | Open - National | Single Stage - One Envelope |                        | 800,000.00              | 0.00                 | Pending Implementation |                                   |        |                                    |        | 2016-12-31                             |        | 2017-01-05                               |        |                             |        |   | 2017-02-16 |  | 2017-03-18 |                 | 2017-04-22 |                     | 2018-07-18 |
| BT-DDM-159-CW-RFB / Portable Helicopter fuelling infrastructure                        | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster Preparedness and Response Capacity Improvement | Post        | Request for Bids | Open - National | Single Stage - One Envelope |                        | 120,000.00              | 0.00                 | Pending Implementation |                                   |        |                                    |        | 2016-12-31                             |        | 2017-01-05                               |        |                             |        |   | 2017-02-16 |  | 2017-03-18 |                 | 2017-04-22 |                     | 2018-07-31 |
| BT-DDM-160-CW-RFB / Development of Helipads in ten Districts, including safety fencing | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster Preparedness and Response Capacity Improvement | Post        | Request for Bids | Open - National | Single Stage - One Envelope |                        | 40,000.00               | 0.00                 | Pending Implementation |                                   |        |                                    |        | 2016-12-31                             |        | 2017-01-05                               |        |                             |        |   | 2017-02-16 |  | 2017-03-18 |                 | 2017-04-22 |                     | 2018-11-30 |

| Activity Reference No./ Description   | Loan / Credit No.                      | Component  | Review Type | Method                 | Market Approach      | Procurement Process         | Prequalification (Y/N) | Estimated Amount (US\$) | Actual Amount (US\$) | Process Status         | Draft Pre-qualification Documents |        | Prequalification Evaluation Report |        | Draft Bidding Document / Justification |        | Specific Procurement Notice / Invitation |            | Bidding Documents as Issued |        | Proposal Submission / Opening / Minutes |            | Bid Evaluation Report and Recommendation for Award |            | Signed Contract |            | Contract Completion |            |
|---|--|--|-------------|------------------------|----------------------|-----------------------------|------------------------|-------------------------|----------------------|------------------------|-----------------------------------|--------|------------------------------------|--------|--|--------|--|------------|-----------------------------|--------|---|------------|--|------------|-----------------|------------|---------------------|------------|
|   |  |  |             |                        |                      |                             |                        |                         |                      |                        | Planned                           | Actual | Planned                            | Actual | Planned                                | Actual | Planned                                  | Actual     | Planned                     | Actual | Planned                                 | Actual     | Planned  | Actual     | Planned         | Actual     | Planned             | Actual     |
| BT-DDM-143-GO-RFQ / Procurement of NEOC hosted server, high capacity GIS work station including dual monitors | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster Preparedness and Response Capacity Improvement | Post        | Request for Quotations | Limited              | Single Stage - One Envelope |                        | 25,000.00               | 0.00                 | Pending Implementation |                                   |        |                                    |        |  |        |  | 2017-01-05 |                             |        |   |            |  |            |                 | 2017-03-20 |                     | 2017-06-30 |
| BT-DDM-153-GO-RFB / Procurement of equipments for NEOC  | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster Preparedness and Response Capacity Improvement | Prior       | Request for Bids       | Open - National      | Single Stage - One Envelope |                        | 270,000.00              | 0.00                 | Pending Implementation |                                   |        |                                    |        | 2017-06-30                             |        | 2017-07-05                               |            |                             |        |   | 2017-08-16 |  | 2017-09-15 |                 | 2017-10-20 |                     | 2018-04-18 |
| BT-DDM-154-GO-RFB / Procurement of emergency communication and coordination items                             | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster Preparedness and Response Capacity Improvement | Post        | Request for Bids       | Open - National      | Single Stage - One Envelope |                        | 100,000.00              | 0.00                 | Pending Implementation |                                   |        |                                    |        | 2017-01-31                             |        | 2017-02-05                               |            |                             |        |   | 2017-03-19 |  | 2017-04-18 |                 | 2017-05-23 |                     | 2017-11-19 |
| BT-DDM-144-GO-DR / Procurement of ArcGIS software   | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster Preparedness and Response Capacity Improvement | Prior       | Direct Selection       | Direct               |                             |                        | 60,000.00               | 0.00                 | Pending Implementation |                                   |        |                                    |        | 2017-01-17                             |        | 2017-01-31                               |            |                             |        |   |            |  |            |                 | 2017-03-07 |                     | 2017-09-03 |
| BT-DOA-156-GO-RFB / Procurement of computer, Software and ICT equipment                                       | TF / A3507                             | Component C: Design of an agronet decision support system            | Post        | Request for Bids       | Limited              | Single Stage - One Envelope |                        | 40,000.00               | 0.00                 | Pending Implementation |                                   |        |                                    |        | 2016-09-30                             |        | 2016-10-19                               |            |                             |        |   | 2016-11-21 |  | 2016-11-30 |                 | 2017-01-14 |                     | 2017-04-30 |
| BT-DHMS-145-GO-RFQ / Procurement of workstations, Software and ICT equipment and training                     | TF / A3513<br>TF / A3507<br>TF / A3511 | Component A: Hydromet Services Development                           | Post        | Request for Quotations | Open - National      | Single Stage - One Envelope |                        | 70,000.00               | 0.00                 | Pending Implementation |                                   |        |                                    |        |  |        | 2016-09-06                               |            |                             |        |   |            |  |            | 2016-11-01      |            | 2017-04-30          |            |
| BT-DHMS-141-GO-RFB / Procurement and installation of 2 cellometers and one wind profiler system               | TF / A3513<br>TF / A3507<br>TF / A3511 | Component A: Hydromet Services Development                           | Prior       | Request for Bids       | Open - International | Single Stage - One Envelope |                        | 700,000.00              | 0.00                 | Pending Implementation |                                   |        |                                    |        | 2016-11-01                             |        | 2016-11-06                               |            |                             |        |   | 2016-12-18 |  | 2017-01-17 |                 | 2017-02-21 |                     | 2017-08-20 |
| BT-DHMS-147-GO-RFQ / Procurement of ice penetrating equipment for glacier and Snow studies.                   |  |  | Post        | Request for Quotations | Open - International | Single Stage - One Envelope |                        | 40,000.00               | 0.00                 | Cancelled              |                                   |        |                                    |        |  |        | 2016-10-06                               |            |                             |        |   |            |  |            | 2016-12-10      |            | 2017-03-31          |            |

| Activity Reference No./ Description  | Loan / Credit No. | Component  | Review Type | Method                 | Market Approach | Procurement Process         | Prequalification (Y/N) | Estimated Amount (US\$) | Actual Amount (US\$) | Process Status | Draft Pre-qualification Documents |        | Prequalification Evaluation Report |        | Draft Bidding Document / Justification |        | Specific Procurement Notice / Invitation |            | Bidding Documents as Issued |        | Proposal Submission / Opening / Minutes |        | Bid Evaluation Report and Recommendation for Award |        | Signed Contract |            | Contract Completion |            |
|--|-------------------|--|-------------|------------------------|-----------------|-----------------------------|------------------------|-------------------------|----------------------|----------------|-----------------------------------|--------|------------------------------------|--------|--|--------|--|------------|-----------------------------|--------|---|--------|--|--------|-----------------|------------|---------------------|------------|
|  |                   |  |             |                        |                 |                             |                        |                         |                      |                | Planned                           | Actual | Planned                            | Actual | Planned                                | Actual | Planned                                  | Actual     | Planned                     | Actual | Planned                                 | Actual | Planned  | Actual | Planned         | Actual     |                     |            |
| BT-DDM-2263-NC-DR / Training of 3 helicopter pilots for 46 months in Canada for Royal Bhutan Helicopter Services under Component B: Disaster Preparedness and Response Capacity Improvement. | TF / A3511        | Component B: Disaster Preparedness and Response Capacity Improvement | Prior       | Request for Quotations | Limited         | Single Stage - One Envelope |                        | 268,322.35              | 0.00                 | Under Review   |                                   |        |                                    |        |  |        |  | 2016-11-05 |                             |        |   |        |  |        |                 | 2017-01-01 |                     | 2017-04-30 |

| Activity Reference No./ Description   | Loan / Credit No.                      | Component  | Review Type | Method                           | Market Approach      | Contract Type | Estimated Amount (US\$) | Actual Amount (US\$) | Process Status         | Terms of Reference |        | Expression of Interest Notice |        | Short List and Draft Request for Proposals |        | Request for Proposals as Issued |        | Opening of Technical Proposals / Minutes |        | Evaluation of Technical Proposal |        | Combined Evaluation Report and Draft Negotiated Contract |        | Signed Contract |        | Contract Completion |        |
|---|--|--|-------------|----------------------------------|----------------------|---------------|-------------------------|----------------------|------------------------|--------------------|--------|-------------------------------|--------|--|--------|---------------------------------|--------|--|--------|----------------------------------|--------|--|--------|-----------------|--------|---------------------|--------|
|   |  |  |             |                                  |                      |               |                         |                      |                        | Planned            | Actual | Planned                       | Actual | Planned                                    | Actual | Planned                         | Actual | Planned                                  | Actual | Planned                          | Actual | Planned  | Actual | Planned         | Actual | Planned             | Actual |
| BT-DOA-142-CS-QCBS / Design an agronet decision support system, generate agronet information products and disseminate to Dzongkhags (DOA) | TF / A3507                             | Component C: Design of an agronet decision support system            | Post        | Quality And Cost-Based Selection | Open - International |               | 110,000.00              | 0.00                 | Pending Implementation | 2017-01-31         |        | 2017-02-14                    |        | 2017-03-10                                 |        |                                 |        | 2017-04-11                               |        | 2017-04-30                       |        | 2017-05-17   |        | 2017-06-30      |        | 2017-08-15          |        |
| BT-DDM-162-CS-QCBS / Technical Design of NEOC   | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster Preparedness and Response Capacity Improvement | Post        | Quality And Cost-Based Selection | Open - International |               | 100,000.00              | 0.00                 | Pending Implementation | 2016-09-30         |        | 2016-10-21                    |        | 2016-12-04                                 |        |                                 |        | 2017-01-01                               |        | 2017-01-31                       |        | 2017-03-07   |        | 2017-04-11      |        | 2017-11-30          |        |

|   |  |  |      |                                      |                      |  |            |      |                           |            |            |            |  |  |  |            |            |            |            |            |
|---|--|--|------|--------------------------------------|----------------------|--|------------|------|---------------------------|------------|------------|------------|--|--|--|------------|------------|------------|------------|------------|
| BT-DDM-161-CS-QCBS /<br>Geomatics system training and<br>DMS development coaching                             | TF / A3513<br>TF / A3507<br>TF / A3511 | Component B: Disaster<br>Preparedness and Response<br>Capacity Improvement | Post | Quality And Cost-<br>Based Selection | Open - International |  | 80,000.00  | 0.00 | Pending<br>Implementation | 2016-09-30 | 2016-10-21 | 2016-12-04 |  |  |  | 2017-01-03 | 2017-02-02 | 2017-03-09 | 2017-04-13 | 2018-04-13 |
| BT-DHMS-151-CS-QCBS /<br>Develop a Common Operating<br>Platform for automated hydro-<br>met services delivery | TF / A3513<br>TF / A3507<br>TF / A3511 | Component A: Hydromet<br>Services Development                              | Post | Quality And Cost-<br>Based Selection | Open - International |  | 100,000.00 | 0.00 | Pending<br>Implementation | 2017-05-01 | 2017-05-31 | 2017-08-05 |  |  |  | 2017-09-02 | 2017-10-02 | 2017-11-06 | 2017-12-11 | 2018-12-11 |

**INDIVIDUAL CONSULTANTS**

| Activity Reference No. /<br>Description | Loan / Credit No. | Component | Review Type | Method | Market Approach | Contract Type | Estimated<br>Amount (US\$) | Actual Amount<br>(US\$) | Process Status | Terms of Reference |        | Invitation to<br>Identified/Selected<br>Consultant |        | Draft Negotiated<br>Contract |        | Signed Contract |        | Contract Completion |        |  |
|---|-------------------|-----------|-------------|--------|-----------------|---------------|----------------------------|-------------------------|----------------|--------------------|--------|--|--------|------------------------------|--------|-----------------|--------|---------------------|--------|--|
|   |                   |           |             |        |                 |               |                            |                         |                | Planned            | Actual | Planned  | Actual | Planned                      | Actual | Planned         | Actual | Planned             | Actual |  |
|   |                   |           |             |        |                 |               |                            |                         |                |                    |        |  |        |                              |        |                 |        |                     |        |  |