

**GOVERNMENT OF MEGHALAYA  
STATE PROJECT MONITORING UNIT, NATIONAL HYDROLOGY PROJECT  
OFFICE OF THE CHIEF ENGINEER, WATER RESOURCES DEPARTMENT  
MEGHALAYA, SHILLONG.**

**PURCHASE/SUPPLY ORDER**

**NO.SPMU(NHP)/BO/94/2021-22/33**

**Dated Shillong, the \_\_\_ September 2021.**

To:

The Western Precision Instruments Emporium  
Plot No. 9 – 11, Industrial Estate  
Rourkee – 247667, Uttarakhand.  
Email :- western\_precision@yahoo.co.in

Sub: Procurement of Bridge Outfits.

Ref: Request for Quotation No. NHP-2021-2022-ML-921975 Dated 3 June 2021

1. Your quotation No. TWPIE/2021-22/CE, WRD, Meghalaya/02 Dated 15 June 2021 for the supply of Bridge Outfits has been accepted. You are requested to supply the following goods/equipment at the rates as per the specifications and terms & conditions specified hereunder:

Sl. No	Brief description of goods/ equipment	Specifications	Quantity to be supplied	Unit Rate exclusive of GST and inclusive of any other taxes (INR)	Total Price (INR) exclusive of GST and inclusive of any other taxes	GST*	
						%	Amount (INR)
1.	Bridge Outfits	As detailed in Annexure-1	20 No.	45,762.00	9,15,240.00	18.00	1,64,743.20


\*GST applicable on finished goods.

2. Delivery Period: 30 days from the date of issue of this supply order.
3. Place of delivery: Shillong, Meghalaya.

4. Consignee Address: Office of the Chief Engineer, Water Resources Department, Govt. Fruit Garden, Opposite St. Edmund's College Main Gate, Shillong – 793014, Meghalaya, India.
5. GST will be reimbursed at actual rates paid on the date of supply.
6. Standard Manufacturer commercial Warranty/Guarantee shall be 36 months from the date of delivery and acceptance.
7. Payment shall be made on delivery or within 30 days from the date of successfully supply, installation, testing, and training of the goods in all respect or the issue of Acceptance Certificate by the Purchaser's representative or submission of invoice, whichever is later.
8. Other terms and conditions are as under:

The details or release of Performance Security are as follows:


- (i) 5% or amount after deduction in case of default in performance after first year of warranty with satisfactory performance of the instruments.
- (ii) 5% or amount after deduction in case of default in performance after second year of warranty with satisfactory performance of the instruments.
- (iii) 5% or amount after deduction in case of default in performance after third year of warranty with satisfactory performance of the instruments.

  
i/c Chief Engineer (WR)  
& Nodal Officer, SPMU, NHP  
Meghalaya, Shillong.

**Memo. NO.SPMU(NHP)/BO/94/2021-22/33      Dated Shillong, the 8<sup>th</sup> September 2021.**

**Copy to :-**

1. The Accounts Officer, Office of the Chief Engineer (WR) for information. Performance Security in the form of Bank Guarantee (in original) submitted by the successful bidder is also enclosed herewith.
2. State Informatics Officer, NIC Shillong for favour of publishing in the department website <http://megwaterresources.gov.in>.

  
i/c Chief Engineer (WR)  
& Nodal Officer, SPMU, NHP  
Meghalaya, Shillong.

## 2. TECHNICAL SPECIFICATIONS

*Detailed Technical Specifications and Standards and scope of services*

### BRIDGE OUTFIT

#### (a) Conditions & Requirements

- (i) The bridge outfit shall be of such a design that it operates reliably and safely under the prevailing environmental conditions.
- (ii) The bridge outfit shall be easy to operate and maintain.
- (iii) The bridge outfit shall be supplied with the accessories as needed for effective deployment.
- (iv) All materials on the bridge outfit exterior shall be non-corrosive.
- (v) The bridge outfit shall have an expected technical lifetime of not less than 10 years
- (vi) The equipment shall consist of a crane and a winch arrangement
- (vii) The current meter shall be lowered by a hand driven winch.
- (viii) The bridge outfit shall be provided with a clamping facility to hold the cable at any desired position.
- (ix) While hoisting the current meter, the cable shall be wound gradually guided from the one drum end to the other and vice versa, to lay the windings tidily next to each other.
- (x) The winch system shall have a re-settable depth counter.
- (xi) The winch and its attachment such as crank, brake, ratchet/catch shall be assembled in a compact unit.
- (xii) This assembly shall be mounted on a moving crane.
- (xiii) The crane trolley shall have 4 wheels with solid rubber tyres from easy movement.
- (xiv) During operation of the current meter, the crane trolley shall stand on pedestals.
- (xv) A counter-weight for the crane shall be included in the delivery. It should be sufficient to keep the crane from keeling over.
- (xvi) The cable from which the current meter is suspended shall have an incorporated insulated electrical conductor. The conductor connects the flow sensor revolution sensor switch to the pulse counter. The electrical connection should pass through a slip-ring assembly on the winch.
- (xvii) The suspension cable shall match the cup type current meter from 10.007.
- (xviii) If a propeller type flow meter is used then the suspension cable shall be torque free.
- (xix) The crane shall have a wire angle indicator.
- (xx) The equipment shall generally comply with IS 6064-1971.

#### (b) Specifications

- (i) **Material** as per IS 6064-1971

- (ii) **Mass of current meter** up to 100 kg
- (iii) **Maximum load** 2500 Newtons
- (iv) **Cable length** max. 50 m
- (v) **Cable torque** torque free suspension cable

The suspension cable should not exert any torque that may adversely affect the alignment of the flow sensor into the direction of flow. In particular, in case a heavy suspension weight is used, there is a risk of cable induced torque.

- (vi) **Flow velocity** max. 5 m/s
- (vii) **Dimensions**
  - Boom length 1800 mm
  - Wheel base 900 mm x 750 mm
  - Height 2000 mm
- (viii) **Warranty** 3 years
- (ix) **Training** One training for the department personnel at the time of supply to be conducted.