



**Procurement of Supply and Delivery of IRI Class I and Class II Equipment  
(MCA-N/RMP/SH/052)**

**ADDENDUM #2**

Issued on 14 July 2022

This Addendum No. 2 modifies respective portions of the Request for Quotations (RFQ) issued on 1 July 2022 and addendum#1 issued on 12 July 2022. The changes, as indicated below, are effective on the date of issue of this Addendum.

Except as expressly amended by this Addendum, all other terms and conditions of the Request for Quotations - issued on 1 July 2022 and addendum#1 issued on 12 July 2022 remains unchanged and shall remain in full force and effect in accordance with their terms.

SN	Pages/Paragraph	Amendments
1	Lot 2: Laser Profilometer - Class II IRI Equipment	<p><b>“Annex – 1 Technical Specifications, Lot 2: Laser Profilometer - Class II IRI Equipment”</b></p> <p>has been replaced by:</p> <p><b>“Attachment#1 to this Addendum#2”</b></p>
2	Annex-3 Submission Form of Supplier’s Proposed Technical Specifications	<p><b>“Annex-3 Submission Form of Supplier’s Proposed Technical Specifications”</b></p> <p>has been replaced by:</p> <p><b>“Attachment#2 to this Addendum#2”</b></p>
3	Page 24, (Clause 9 Payment Conditions:)	<p><b>Clause 9 Payment Conditions:</b> has been replaced by the <b>Attachment 3 of this Addendum#2.</b></p>

## ATTACHMENT #1

# Annex - 1 Technical Specifications

### B. Lot 2: Laser Profilometer - Class II IRI Equipment

#### Item I: Laser Profilometer - Class II IRI Equipment equivalent or better

The Laser Profilometer Class 2 IRI Equipment should have the following characteristics:

1. Weight should not exceed 20 kg or 44 lbs. excluding mounted installation module.
2. Provide at highway speed with 3-axis intern accelerometer, 32-kHz laser (laser class 3B) and GPS: Geo-referenced high accuracy roughness (IRI) in the outer wheel-path.
3. Single wheel path for IRI calculation in Lot 2 Road Profiler is the requirement of MCA-Nepal
4. Accuracy for the GPS has to be within 5 meters.
5. Elevation resolution should be 0.01 mm.
6. IRI resolution should be +/- 0.01 mm/m.
7. Meet these international standards:
  - World Bank Class 2 Profiler
  - ASTM E950
  - ASTM E1926.
8. Include all manuals (in English language) and equipment required to power, control and record data, data acquisition software (display in English language), hardware interfaces, power supply, cables and tool kits.
9. The equipment should not require periodic calibration at the factory.
10. One-year warranty and online technical support; and
11. Free software updates for 10 years and the Supplier shall submit undertaking that they will provide the update for 10 years with their submission (if not submitted MCA-Nepal will request the same).

**ATTACHMENT #2**

**Annex -3  
Submission Form of Supplier's Proposed Technical Specifications**

Supply and Delivery of IRI Class I and Class II Equipment MCA-N/RMP/SH/052

**(Supplier shall propose better or equivalent Technical Specifications than described in Annex 1)**

S.N	Description of Goods/Services	MCA-Nepal's Required Specification	<p align="center"><b>SUPPLIER'S CONFIRMATION OF SPECIFICATIONS</b></p> <p align="center">The Supplier needs to confirm, in the space provided below, that the proposed goods meet the required specifications (By presenting their proposed specifications).</p>
<p><b>A. Lot 1: Handheld Profiler (Dipstick) - Class I IRI Equipment</b></p>			
<p><b>Item I. Offered Product</b> (Please mention the <b>Brand Name (Make)</b> and <b>Model Number</b> of offered product):</p>			
<p><u>The Handheld Profiler (Dipstick) should have the following characteristics:</u></p> <ol style="list-style-type: none"> <li>1. The handheld profiler should comply with Standard Class as defined by the World Bank and measure profiles (relative elevation differences) at a rate and accuracy greater than traditional rod and level surveys with a resolution of 0.03 mm or better, accuracy of 0.02 mm or better and precision of 0.02 mm or better.</li> <li>2. The handheld profiler should instantly calculate the International Roughness Index (IRI) and instantly produce graphs on-site.</li> </ol>			

<ol style="list-style-type: none"> <li>3. Productivity is such that it can measure at least 600 readings per hour and report IRI on 320 m. of road section in two hours or less (based on standard spacing).</li> <li>4. The handheld profiler should instantly calculate and display Rut depth of transverse lines.</li> <li>5. Includes all hardware and software required to operate the system with automatic data transfer to a portable computer equipped with Windows 8 or higher including PCMCIA Flash Card or equivalent, and automatic data transfer to a PC.</li> <li>6. The equipment provided with the handheld profiler should include a rechargeable on-board power system to power the handheld profiler and the computer for more than 8 hours.</li> <li>7. Includes the Software to compute the IRI in m/km.</li> <li>8. One-year warranty and online technical support.</li> <li>9. Free software updates for 10 years and the Supplier shall submit undertaking that they will provide the update for 10 years with their submission (if not submitted MCA-Nepal will request the same).</li> <li>10. A detailed step-by-step application procedure manual with videography is preferable.</li> </ol>	
<p><b>B. Lot 2: Laser Profilometer - Class II IRI Equipment</b></p>	
<p><b>Item I: Laser Profilometer - Class II IRI Equipment equivalent or better</b></p> <p><b>Offered Product</b> (Please mention the <b>Brand Name (Make) and Model Number</b> of offered product):</p>	

The Laser Profilometer Class 2 IRI Equipment should have the following characteristics:

1. Weight should not exceed 20 kg or 44 lbs. excluding mounted installation module.
2. Provide at highway speed with 3-axis intern accelerometer, 32-kHz laser (laser class 3B) and GPS: Geo-referenced high accuracy roughness (IRI) in the outer wheel-path.
3. Single wheel path for IRI calculation in Lot 2 Road Profiler is the requirement of MCA-Nepal
4. Accuracy for the GPS has to be within 5 meters.
5. Elevation resolution should be 0.01 mm.
6. IRI resolution should be +/- 0.01 mm/m.
7. Meet these international standards:
  - World Bank Class 2 Profiler
  - ASTM E950
  - ASTM E1926.
8. Include all manuals (in English language) and required equipment required to power, control and record data, data acquisition software (display in English language), hardware interfaces, power supply, cables and tool kits.
9. The equipment should not require periodic calibration at the factory.
10. One-year warranty and online technical support.
11. Free software updates for 10 years and the Supplier shall submit undertaking that they will provide the update for 10 years with their submission (if not submitted MCA-Nepal will request the same).

<p><b>Item II: Training:</b></p>	
<p>The application of training on <b>IRI Class II</b> equipment shall be quoted and included in the quote. The training is for a duration of 40 hours.</p> <p>No. of participants – seven (7) nos.</p> <p>Venue: Department of Roads and any other place within Kathmandu, Nepal</p> <p>Logistics: MCA-Nepal</p> <p>Trainer Qualifications: Bachelor’s Degree in Civil Engineering or equivalent with past experience in traffic survey, pavement study survey and certified training on road IRI Class II equipment.</p> <p>Trainer transportation, logistics must be borne by the training Service Provider and shall be included in the quote of the cost of training.</p>	

## **9) Payment Conditions:**

### **Goods Supplied by Foreign Supplier:**

The method and conditions of payment to be made to the Supplier under this Purchase Order shall be as follows:

#### **Lot 1:**

- a) 70% of lump sum Purchase Order Price related to goods and services shall be paid through the Letter of Credit, upon shipment/loading on trucks and submission of proper documents as per this clause 9.
- b) 25% of lump sum Purchase Order Price related to goods and services shall be paid upon successful delivery to the Place of Final Destination in Nepal including unloading, installation of equipment (with its accessories) by the supplier, demonstration that the equipment is working and are accepted by MCA-Nepal. The payment shall be based on submission of the acceptance report.
- c) 5% of Lump sum Purchase Order Price related to goods and services shall be paid after successful completion of the warranty period of one year, upon submission of letter for completion of warranty period issued by MCA-Nepal.

#### **Lot 2:**

- a) 70% of lump sum Purchase Order Price related to goods and services (excluding cost of training component) shall be paid through Letter of Credit, upon shipment/loading on trucks and submission of proper documents as per this clause 9.
- b) 25% of lump sum Purchase Order Price related to goods and services (excluding cost of training component) shall be paid upon successful delivery to Place of Final Destination in Nepal including unloading, installation of equipment (with its accessories) by the supplier, demonstration that the equipment is working and are accepted by MCA-Nepal. The payment shall be based on approval of the acceptance report.
- c) 5% of Lump sum Purchase Order Price related to goods and services (excluding cost of training component) shall be paid after successful completion of the warranty period of one year, upon submission of letter for completion of warranty period issued by MCA-Nepal.
- d) **100%** of lump sum price of Training component of Lot 2 shall be paid after the completion of training as stated in the scope of work and technical specifications and upon acceptance of the Training Report by MCA-Nepal.

**Note for Lot 1 and Lot2:** In case the Supplier does not rectify any defect within 21 days of MCA-Nepal notice of defects during the warranty period, MCA-Nepal may use the amount related to the amount to be paid after the warranty period to rectify the defects; and will recover any additional cost incurred from the Supplier.

**Goods Supplied by Local Suppliers:**

If a local supplier supplies the goods and services, based on the instruction of the Supplier the MCA-Nepal will release the payment to manufacturer/exporter as per the terms of the LC.

Contract shall be signed in USD. While issuing the tax invoice for the purpose of supply of goods or services under the Contract, the supplier has to issue the tax invoice by setting down there in the amount in Nepalese rupees equivalent to the foreign currency as per the foreign exchange rate specified by the Nepal Rastra Bank on the date of invoice. USD buying rate to be used.

**Documents to be submitted during LC Opening:**

Proforma Invoice accepted by MCA-Nepal showing Purchase Order number, with 8 Digits HS Codes, Port of Loading/Discharge, Country of Origin, Purchaser EXIM code, Description of Goods including quantity and units (The description of goods must mention generic term for the goods), Unit price of Goods, Total Amount, Incoterms with place of delivery, Country of Origin of Goods.

Business Credibility Information: BCI report of beneficiary issued by the beneficiary's bank.

Any other information and documents that are required as per banking requirement of Nepal.

**Note: MCA-Nepal shall not be responsible for any required confirmation of the Letter of Credit outside Nepal.**

**Documents to be submitted during Payments as demanded by the LC:**

Upon shipment/loading on truck/Air freight, the Supplier shall notify the Purchaser and the insurance company in writing of the full details of the shipment/goods transported, including Purchase Order number, description of goods being shipped/transported, quantity, the vessel/truck, the bill of lading number and date, port of loading/place of loading, date of shipment/transportation, port of discharge/place of discharge, etc. The Supplier shall fax or e-mail and send by courier the following documents to the advising bank of MCA-Nepal, with a copy to the insurance company:

·Original signed Bill of Lading/Airway Bill and three (3) copies of the negotiable, clean, on-board bill of lading/airway bill marked “freight prepaid” and three (3) copies of nonnegotiable bill of lading/airway bill;



- Commercial Invoice showing the shipped goods' description, quantity, unit price, and total amount;
- Certificate of Origin;
- Packing List: three (3) copies of the packing list identifying contents of each package;
- Manufacturer's or Beneficiary's Warranty Certificate;
- Inspection Certificate: inspection certificate, issued by the nominated inspection agency or Purchaser's representative or Purchaser's appointed representative, and the Supplier's factory inspection report;
- Insurance Policy or Certificate: insurance certificate (insurance 110% of the value of the goods), showing the Purchaser as the beneficiary.
- Any other documents or information that are required as per the banking requirement of Nepal.