

Technical Specifications

Technical Specifications for Digital Level ✓		
SL. No..	Description	Technical Specifications Requirement
1.	Height Measurement Accuracy (perKm Double run)	
i.	With Invar Staff	Should Not exceed 0.3 mm/km double run
ii.	With Standard Staff	Should Not exceed 1.0 mm
2.	Resolution of Each Height Measurement Reading (With Invar Staff)	Should Not exceed 0.01 mm
3.	Height Measurement (Distance) (With Invar Staff) Minimum	(Distance) (With Invar Staff) 1.8m
4.	Height Measurement Range (Distance) (With Invar Staff) Maximum	100 m
5.	Distance Measurement (With Invar Staff)	
i.	Accuracy	Should Not exceed 30 mm at 30 m
ii.	Resolution	Should Not exceed 1.0 mm
iii.	Measurement Time	Should Not exceed 3 seconds
6.	Compensator	
i.	Setting Accuracy	±0.2"
ii.	Tilt/Inclination Range	Minimum ±9 minute
7.	Sensitivity of Circular Level	8'/2mm
8.	Telescope Magnification	Should Not less than 32x
9.	Levelling Methods	BF, BFFB, BFBF, BBFF, FBBF, aBF, aBFFB, aBFBF, aBBFF, aFBBF
10.	Internal Power Backup (Operating Time) (With Li-ion Rechargeable Battery)	Minimum 12hr working time without illumination
11.	Environment	
i.	Operating Temperature	-20° C to +50° C
ii.	Dust and Water Proofing	As per IP55
12.	Data Transfer Interface	RS232
13.	InternalMemory	Minimum storage30,000 measurements

14.	Invar Staff	With two circular bubbles and a staff container
i.	Length	Minimum 3 m
15.	Display	Graphical with minimum resolution 240 x 160 pixels
16.	Keyboard	19-key alpha-numeric and 4-way arrow keys for navigation.
17.	Weight of Digital Level (including Battery)	Not exceeding 4 Kg
18.	Software Features	Viewing, Managing, Post Processing of Data
19.	On-board programs	Height measurement, Height difference, Elevation;, Line adjustment, Stakeout, Inverse Staff Measurement, Single measurement with and without stationing, Tilt Check functionality, Line levelling with intermediate sight and stakeout, Error checking and adjustment
20.	Digital Level Warranty	01 Years
21.	Digital Level (0.3mm) -1 No. Li-ion Battery – 2No. (one spare battery included) Staff – levelling telescopic rod, 5/1m, code and E-graduation (4 Meter.) -2 No. Tripod for Digital Level -1 No. Vinyl Rain Cover -1 No. Cleaning Cloth -1No. Allen Keys -1 No. Tool kit -1 No. Adjustment-Pin -1 No. Data Transfer Cable -1 No. Battery Charger-1 No. User Manual-1 No. Carrying case -1 No. Invar Precision bar code staff -1 No. Bipod top fixing - 2 No. Base Plate =1No.. Software including processing etc.	

Qualification Criteria:-

1. OEM of the bidder should be in existence in India for the last Ten years and should have an office in India from the last Ten years and relevant documents such as incorporation certificate /registration Certificate / existing PO copies are to be submitted to prove the eligibility of this clause.
2. Bid should be supported with Quoted item catalogue mentioning the Technical Specification.

MULTI FORM

(Bid Form, Bidder Information, Border Declaration, Code of Integrity)

To:
The Director,
CSIR – Central Roads Research Institute (CRRl)
Delhi Mathura Road
New Delhi – 110025 INDIA

We, the undersigned, declare that:

- a) We have examined and have no reservations to the Bidding Documents. We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services. Prices and discounts, if any, are mentioned in the Price Bid.
- b) ***Our bid shall be valid for the period of time specified in the bid document*** and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- c) We agree to submit Performance Security, if required, as per the terms of this bid document;
- d) Details of commissions, gratuities, or fees paid or to be paid with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount

(IF NONE HAS BEEN PAID OR IS TO BE PAID, INDICATE "NONE" OR LEAVE BLANK)

- e) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed. We understand that you are not bound to accept the written standard terms and conditions of our offer and also the lowest evaluated bid or any other bid that you may receive.
- f) **Purchase/ Price preference:** We have read and understood original circulars/ notifications regarding purchase or price preference policies of the government under MSEs / Make in India / Start Up India / DPIIT policies and have no objection to our bid being evaluated for compliance with respect to them and thus declared eligible / ineligible as the case may be.
- g) **Border Declaration:** We have read clause regarding restriction on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; ***We certify that the bidder is not from such a country*** or, if from a such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the competent Authority. A valid certificate issued by the Competent Authority has been attached with the bid. I hereby certify that this bidder fulfill all requirements in this regard and is eligible to be considered. *(As per requirements under P-45021/112/2020-PP(BE-II)(E-43780) dated 24.08.2020 of Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade and any amendments thereon.)*

Declaration for Code of Integrity & Conflict of Interest: I/We hereby declare that we shall abide by the Code of Integrity for Public Procurement as mentioned under Para 1.3 of ITB of your tender document and have no conflict of interest. The details of any previous transgressions of the code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity are as under:

- 1.
- 2.
- 3.

We undertake that we shall be liable for any punitive action in case of transgression / contravention of this code.

Bidder's Legal Name : (In case of JV, legal name of each party)	
Bidder's actual or intended Country of Registration:	
Bidder's Year of Registration:	
Bidder's Legal Address in Country of Registration:	
Bidder's Authorized Representative Information Complete Name, Address & Contact Details (Mobile, Landline, Email)	

Attached are scanned / copies of original documents of Articles of Incorporation or Registration of firm.

Signature & Seal of Bidder / Authorized Signatory
Name of the Signatory

MANUFACTURER AUTHORIZATION FORM (MAF)

Bidder has to get this filled from OEM / Manufacturer preferably on their Letterhead

To:

Director, CSIR – Central Roads Research Institute (CRRRI)
Delhi Mathura Road
New Delhi – 110025 INDIA

We, the undersigned who are official Manufacturers/ OEM/ of the items/ goods being quoted by the bidder and factories or offices as indicated below, do hereby authorize *the Bidder* to submit a bid the purpose of which is to provide the quoted goods, manufactured/ distributed by us and to subsequently negotiate and sign the Contract if the bidder's offer is found responsive, eligible and acceptable as per tender conditions.

We hereby extend our full guarantee and warranty in accordance with Clause 2.21 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Name & Designation of the Signatory of This MAF	
Name & Address of the Manufacturer/ OEM	
This Certificate is issued in favor of (Name of the Bidding Firm)	

Official Seal & Sign of authorized representative(s) of the Manufacturer/ OEM

Bid-Securing Declaration Form

(TO BE FILLED & SUBMITTED IN LIEU OF THE BID SECURITY/EMD ONLY IF GIVEN AS OPTION IN NIT)

Date: _____

Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- (a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- (b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of : (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

DEVIATION STATEMENT FORM

(Please indicate compliance or deviation from Bid Document Technical Specifications, ITB Terms, GCC & SCC Terms and Eligibility Requirements)

S.N.	Tender Specifications / Requirements / Terms	Specifications of Quote Model / Part /Accessory	Compliance Whether Yes of No	Deviation, if any to be indicated in unambiguous terms (The compliance / Deviation should be supported by relevant Technical Literature)	Technical justification for the deviation, if any. If specification is superior /inferior than asked for in the enquiry, it should be clearly brought out in the justification

We certify that while filling the above Deviation Statement Form, we have fully read and understood the provisions of Clause 1.28 Examination of Terms & Conditions, Technical Evaluation of ITB (Chapter 1) and we undertake to fully abide by that.

Place:

Date:

NOTE:

- 1) Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations". It will be deemed understood that the bidder conforms to tendered requirement and agrees to all tender terms and conditions. However technical conformity is subject to verification from the submitted technical literature.
- 2) If the bidder offers more than one model, then the Compliance Statement must be enclosed for each and every model separately.
- 3) The technical and commercial deviations should be indicated separately
- 4) If the bidder fails to enclose the compliance statement, his bid is likely to be rejected
- 5) Compliance mentioned in this form must conform with the details provided in the technical brochure.
- 6) Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations". It will be deemed understood that the bidder conforms to tendered requirement and agrees to all tender terms and conditions. However technical conformity is subject to verification from the submitted technical literature.
- 7) If the bidder offers more than one model, then the Compliance Statement must be enclosed for each and every model separately.
- 8) The technical and commercial deviations should be indicated separately
- 9) If the bidder fails to enclose the compliance statement, his bid is likely to be rejected
- 10) Compliance mentioned in this form must conform with the details provided in the technical brochure.

LOCAL CONTENT DECLARATION FORM

REF:

DATE:

To,
The Director,
CSIR – Central Roads Research Institute (CRRRI)
Delhi Mathura Road
New Delhi – 110025 INDIA

Dear Sir,

Sub: Our offer for-_____Regarding.

Ref:_____Dated:_____Due Date:_____

As per letter No. P-45021/102/2019-PP(BEII)E-29930) dated 26.11.2020 and OM P-45021/102/2019-PP(BE-II)-BE-Part-(1)(E-50310) dated 04.03.2021 of Ministry of Commerce and industry, Department for Promotion of Industry and Internal Trade, it is clarified that bidders offering imported products will fall under the category of Non-local suppliers. They cannot claim themselves as Class-I local supplier / Class-II local by claiming the services such as transportation, insurances, installation, Commissioning, training and after sales services support like AMC.CMC etc. as local value addition.

That the local content for all inputs which constitute the said item/service/work has been verified by me and I am responsible for the correctness of the claims made there in.

Tick (✓) and Fill the Appropriate Category	
<input type="checkbox"/>	I/We here by confirm in respect of Quoted items that Local Content is equal to or more than 50% and come under “Class –I Local supplier” category.
<input type="checkbox"/>	I/We(name of the supplier) here by confirm in respect of quoted items that Local Content is more than 20% but less than 50% and come under “Class-II Local Supplier” category.

- The details of the location (s) at which the local value addition is made and the proportionate value of local content in percentage.

Signature of the authorized person with seal

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Place :

Date :