



NATIONAL HIGHWAY AUTHORITY

Procurement & Contract Administration Section
28 Mauve Area, G-9/I, Islamabad ☎ 051-9032727, 📠 051-9260419

Ref: 6(550)/DIR-III (P&CA/NHA/2021/420

Dated: 18 December, 2021


All Prospective Consultants

Subject: **Consultancy Services For Feasibility Study and Detailed Design for Road Tunnel Across Babusar Pass and Its Link Access Roads.**

“Addendum No.2 ”

Reference: Pre-Proposal meeting held on 21st October, 2021.

Addendum No.2 being integral part of Minutes of Pre-Proposal Meeting & Addendum No.01 of RFP for the subject Consultancy services are enclosed herewith for necessary action, please.


((MUHAMMAD AHMED ABRO))
Director (Consultancy)P&CA

Enclosure:

- **Addendum No.2 (01 Page)**
- **Attachments to Addendum No.2 (03 Pages)**

Copy for information to:

- Member (Planning), NHA, Islamabad;
- General Manager (Planning), NHA, Islamabad;
- General Manager (Design), NHA, Islamabad;
- General Manager (P&CA) NHA, Islamabad;
- Dir (MIS) NHA, Islamabad.
- DD (Services)-P&CA NHA, Islamabad.

ADDENDUM No.2

Consultancy Services Feasibility Study and Detailed Design for Road Tunnel Across Babusar Pass and Its Link Access Roads

Following amendments have been made in the Request for Proposal (RFP) for subject Services under this Addendum No.2, which shall be read and construed as an integral part of RFP and shall take precedence in case of any conflict(s)/ambiguity(s) amongst this Addendum No.2 and other provisions of the RFP.

1. Qualification Criteria

1.1 Team Leader / Tunnel Engineer:

Qualification Criteria and scoring for Team Leader / Tunnel Engineer is amended and attached as **Attachment No. 01 & 02**.

Refer page 12 & 15 of RFP; page 12 & 15 are replaced and enclosed as **Attachment No. 01 & 02** to **Addendum No.2**.

2. Form A-16

2.1 Item No. 25, Design of Railway system for Tunnels (optional):

Refer to Form A-16, Item No. 25 Design of Railway system for Tunnels (optional) is added as lump sum item in Phase-II and attached as **Attachment No. 03**.

Refer page 54 of RFP; page 54 is replaced and enclosed as **Attachment No. 03** to **Addendum No.2**.

3. All other terms and conditions shall remain same.

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- a. Add following at the end of Sub -- Para 3.1.4 (a):

Clearly mention the share/percentage of each JV partner in the JV agreement. First page of the JV agreement must be on Stamp Paper of minimum Rs. 100 duly attested by the Oath Commissioner.

- c. The term associates, if used in the proposal or otherwise shall not be considered as an alternative of JV member. Any personnel proposed for the Assignment but belonging to the so called associates shall not be marked in evaluation of technical proposal like in case of Sub-consultants (except individual Specialist Sub-consultants having unique expertise which is rarely available OR an expatriate Personnel) who are not supposed to contribute in qualification of their main consultants.
- d. Proposed key staff shall preferably be permanent employees who are employed with the consultants at least six months prior to submission of Proposal.

Yes No

The minimum required experience of proposed Key Personnel is given below:

FOR KEY PERSONNEL

| | |
|--|--|
| Team Leader / Tunnel Engineer | <p>Education: Preferably PhD in (Structure Engineering/ Geotechnical Engineering with Experience in Tunnel Engineering) / Tunnel Engineering or M.Sc. in Tunnel Engineering / M.Sc. in (Structure Engineering/Geotechnical Engineering with Experience in Tunnel Engineering) or B.Sc (Civil Engineering with experience in Tunnel in Engineering). Additional training/ courses in Tunnel Engineering will be scored.</p> <p>Experience: Preferably Twenty (20) years relevant experience [proven five (05) years' experience as Team Leader/ Tunnel Engineer on major Highway and Tunnel Design/Design review projects]. More weightage will be given to the CV having tunnel design/review experience. Relative marking will be made, assigning maximum marks to the CV with longest tunnel in experience.</p> <p>He/ she must also have performed as Team Leader on major Highway/Tunnel Design/Design Review Projects/substantially completed projects.</p> |
| Tunnel Engineer (Expatriate) | <p>Education: Preferably PhD (Tunnel Engineering) or minimum M.Sc. in Tunnel Engineering/ M.Sc. in (Structure Engineering/ Geotechnical Engineering with Experience in Tunnel Engineering). Additional training/ courses in Tunnel Engineering will be scored.</p> <p>Experience: Preferably Twenty (20) years relevant experience [proven fifteen (15) years' experience as Tunnel Engineer on major highway Tunnel Design projects with having specific experience on tunnels greater than 07 KMs]. Relative marking will be made, assigning maximum marks to the CV with longest tunnel in experience. Weightage shall be given to the experience in similar geographical conditions.</p> |
| Senior Geotechnical Engineer (Expatriate) | <p>Education: Preferably M.Sc. (Soil Mechanics/ Geo-Tech Engineering) or minimum B.Sc. (Civil Engineering/ Geo-Tech Engineering). Additional training/ courses in Tunnel Engineering will be scored.</p> <p>Experience: Preferably fifteen (15) years relevant experience [proven</p> |



| | |
|---|--|
| Junior Architect | <p>Education: Preferably M.Sc. (Architecture) or minimum B.Sc. (Architecture).</p> <p>Experience: For M.Sc. Preferably Three (03) years [design experience as Junior Architect on Buildings]. For B.Sc. Preferably Five (05) years relevant experience [proven three (03) years' design experience as Junior Architect on Buildings].</p> |
| <p>Academic and General Qualification</p> <ul style="list-style-type: none"> • For Team Leader/Tunnel Engineer: P.hD. with additional training/courses in Tunnel Engineering from recognized organization-100%; Ph.D.– 90%; M.Sc. with additional training/courses in Tunnel Engineering from recognized organization – 85%; M.Sc. – 80%, B.Sc. with additional training/courses in Tunnel Engineering from recognized organization – 75%; B.Sc. – 70%.. • Tunnel Engineer (Expatriate), Electro-Mechanical Specialist (Expatriate): P.hD. with additional training/courses in Tunnel Engineering from recognized organization-100%; Ph.D.– 90%; M.Sc. with additional training/courses in Tunnel Engineering from recognized organization – 80%; M.Sc. – 70%. • Electrical and Mechanical (E&M) Expert for Tunnel: M.Sc. with additional training/courses in Tunnel Engineering from recognized organization-100%; M.Sc.– 90%; B.Sc. with additional training/courses in Tunnel Engineering from recognized organization-80%;B.Sc-70%. • Senior Geotechnical Engineer (Expatriate): M.Sc. with additional training/courses in Tunnel Engineering from recognized organization-100%; M.Sc.– 90%; B.Sc. with additional training/courses in Tunnel Engineering from recognized organization – 80%; B.Sc. – 70%. • Snow Survey and Avalanche Specialist (Expatriate): M.Sc. with experience in snow and avalanche Survey and protection design and additional relevant training/courses from recognized organization-100%; M.Sc.– 90%; B.Sc. with experience in snow and avalanche Survey and protection design and additional relevant training/courses from recognized organization – 80%; B.Sc. with experience in snow and avalanche Survey and protection design – 70%. • Senior Highway Engineer, Senior Structural Engineer, Traffic/Pavement Engineer: Ph.D. with additional relevant training/courses from recognized organization-100%; Ph.D.– 90%; M.Sc. with additional relevant training/courses from recognized organization – 85%; M.Sc. 80%, B.Sc. – 70%. • Senior Geotechnical Engineer, Senior Geologist, Junior Engineer (Tunnel/Structures/Highway/Electrical/Mechanical), Junior Geotech Engineer, Junior Geologist & Junior Architect: M.Sc. with additional relevant training/courses from recognized organization-100%; M.Sc.– 90%; B.Sc. with additional relevant training/courses from recognized organization – 80%; B.Sc. – 70%. | |
| <p>Note: The Consultants are advised to submit updated CV's strictly in compliance with the format of CVs given in Technical Proposal Form A-5. CVs submitted without regard to the said format may score low.</p> | |
| <p>e. Training is an important feature of this Assignment: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes, details of training are given in TOR</p> | |
| 3.2.3 | <p>Professional liability, insurances (description or reference to appropriate documentation):</p> <ol style="list-style-type: none"> The Consultants shall be responsible for Professional Indemnity Bond of the required amount at their own cost. This bond shall be in the joint name of Consultant and the Client. The Consultants are required to insure their Employees and Professionals for Hospitalization/ Medical, Travel and Accident Cover for the duration of the Contract. The details provided in Para 3.5 of Special Conditions of Contract in Model Contract. |



| Sr. No. | Nomenclature | Unit | Qty. | Phase-I Unit Price (Rs.) | Phase-II Unit Price (Rs.) | Total Amount (Rs.) |
|---------|---|------|------|--------------------------|---------------------------|--------------------|
| 22 | Environmental Impact Assessment Study including NOC Fee and as per requirement of Pak EPA (District KPK & GB) "Environmental Impact Assessment" including cost of activities mentioned in ToR, cost of report writing, NOC Fee, Environmental Engineer Salary, Coordination with Pak EPA & Public Hearing Charges, etc. (complete in all respects). | L.S | | N/A | | |
| 23 | For Handling of DEM / Drone Data, Purchase of | L.S | | | N/A | |
| | 2 x Laptop (10 th or Latest Gen Intel® Core™ i7 10700 (8-Core, 16MB Cache, 2.9 GHz to 4.8 GHz w/Turbo Boost Max 3.0), NVIDIA® GeForce® RTX 2070 SUPER™ 8GB GDDR6, 64GB Dual Channel DDR4 RAM at 2933MHz, 2TB (2x 1TB PCIe M.2 SSDs) RAID 0 [Boot] + 1TB 7200 RPM Hard Drive, Windows 10 Pro 64-bits, Licensed Antivirus, Warranty 1 year | | | | | |
| | Color Photocopier (A4 and A3 size) speed 25 copies per minutes | | | | | |
| | Color Printer cum Scanner (A-3) Size | | | | | |
| 24 | Training on Tunnel for NHA Officers | P.S. | - | 1,500,000 | N/A | 1,500,000 |
| 25 | Design of Railway system for Tunnels (Optional)* | L.S | | N/A | | |
| 26 | Others not covered above to comply with TOR requirement** | | | | | |
| | Total | | | | | |

NOTE:

* OPTIONAL TASK: Design of Electric Railway System for Tunnels including Electric Rail road / track, electric locomotives, Railway Station / Platform at Portals & associated systems including but not limited to Signaling, Control Stations, Administrative Buildings, Emergency Services, Electrical & Mechanical Works complete in all respect to enable successful operations (if required).

** Any additional item/ cost quoted against these line items must be supported by solid/ tenable justification(s) detailed in Technical Proposal Submission Form A-4 "Comments on TOR" without indicating financial value therein. The negotiation committee of the Client may negotiate this cost on the basis of justification provided in the form A-4 with the prospective successful bidder in the light of Clause ITC 6.6 of RFP. Moreover, if no justification is given or Client does not agree to the justifications, the Client in both the cases **shall not** include this cost in the total cost offered by the Consultants for this assignment, particularly in case any amount against these line items is deemed to have been covered in other pay items.

Cost quoted against lump sum items (mentioned in above table) is all inclusive and remuneration of staff shall not be charged separately.

Consultancy Services for Feasibility Study and Detailed Design for Road Tunnel Across Babusar Pass and its Link Access Roads

