

TERMS OF REFERENCE

Pre-Feasibility Study of Provincial Road from Kharian (N-5) To Jhang via Dinga, Chalianwla, Shahnalok, Mandi Bahaudin, Gojra, Salim (M-2) Bhalwal, Sargodha, Sahiwal & Jhang (240 Km Approx.)

1. General

National Highway Authority intends to get carryout pre-feasibility study of the existing provincial road which is proposed for federalization. The existing alignment and towns enroute are shown on the attached sketch.

2. SCOPE OF WORK

The consultant is expected to study the following aspects but not limited to while surveying/studying the route.

- a. Reconnaissance survey of the existing route from Kharian (N-5) to Jhang as per route map attached (***Annex-I***).
- b. Check length of the sections between towns/villages enroute.
- c. Name and approximate population of the towns/villages.
- d. Width of the existing road including shoulders, type of pavement and embankment height etc.
- e. Classified traffic plying on the sections with 8 hours traffic count on atleast 6 suitable locations along the route.
- f. Identifying road links joining/off-taking the route with classified traffic joining/off-taking the road.
- g. Study of sharp bends/turns enroute and possible scope for their smoothing to bring them to NHA standard i.e. 7.3m wide carriageway with 1-3m shoulders.
- h. Study and checking of existing available Right of Way (ROW).
- i. Study type of terrain/rolling or plain and type of soil.

- j. Study of major river & canal bridges enroute and check their adequacy w.r.t. carriageway width.
- k. Possible assessment of structural capability of the structures including river, canal bridges and culverts.
- l. Study the existing major features enroute and within 20 meters on either side such as factory, railway line, built up area etc.
- m. Study the existing market rate of land where consultant feel additional land would be required to be acquired by NHA.

3. Deliverables

The consultant shall submit two (2) copies of the draft pre-feasibility report containing the above stated information or any other information required duly substantiated & labeled with photographs in the following manner. After approval of the draft, consultant shall submit five (05) copies of the pre-feasibility report:

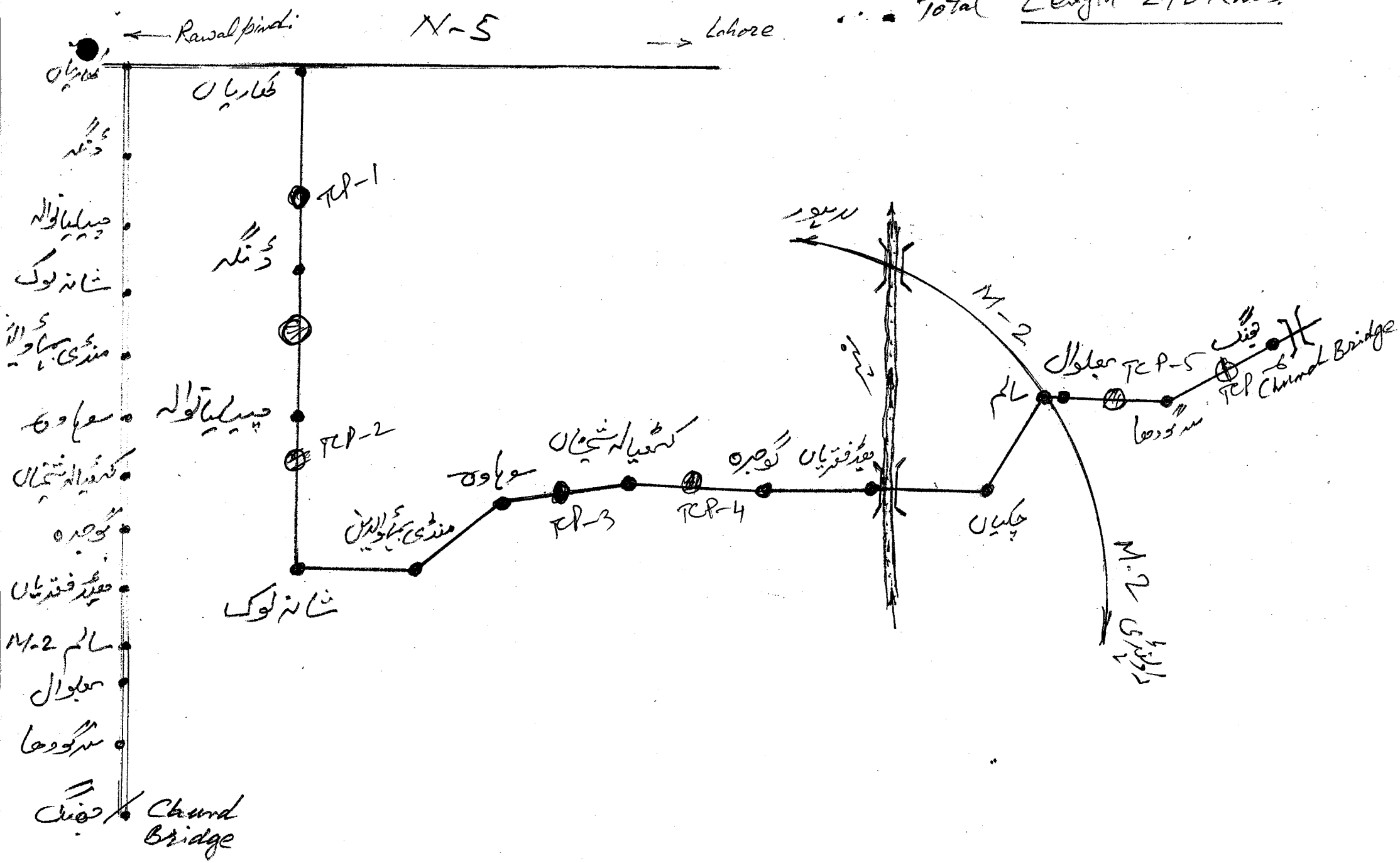
- a. Alignment map duly marked & named villages, towns, cities with Reduced Distance (RD) enroute and distance in kilometers between them, showing maximum details of features such as bridges, railway line, factories, built up areas etc.
- b. Width & type of existing pavement shown on x-section.
- c. Classified traffic count data in separate tables for each location.
- d. Major bridges on rivers & canals with their brief description of type of structure (masonry, concrete, steel etc.) and location with photographs.
- e. Approximate area & cost of land to be acquired.
- f. Any other information ^{that} consultant ^{may} feel appropriate to provide.

4. Time Frame

The study will be completed in two months time.

Kharian - Mandi Bahauddin - Sargodha Road Annex-I

Total Length 240 Kms.



FINANCIAL PROPOSAL FORMS

BREAKDOWN OF RATES FOR CONSULTANCY CONTRACT

Project: _____ Firm: _____

Name	Position	Basic Salary per Cal. Month	Social Charges (%age of 1)	Overhead (%age of 1+2)	Sub-Total (1+2+3)	Fee (%age of 4)	Rate per Month for project Office	Field Allow. (%age of 1)	Rate per Month for Field Work
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

Notes:

- Item No. 1 Basic salary shall include actual gross salary before deduction of taxes. Payroll sheet for each proposed personnel should be submitted at the time of negotiations.
- Item No. 2 Social charges shall include Client's contribution to social security, paid vacation, average sick leave and other standard benefits paid by the company to the employee. Breakdown of proposed percentage charges should be submitted and supported (see Form 2).
- Item No. 3 Overhead shall include general administration cost, rent, clerical and junior professional staff and business getting expenses, etc. Breakdown of proposed percentage charges for overhead should be submitted and supported (see Form 3).
- Item No. 5 Fee shall include company profit and share of salary of partners and directors (if not billed individually for the project) or indicated in overhead costs of the Company.
- Item No. 7 Normally payable only in case of field work under hard and arduous conditions.
 - Note 1 The minimum percentage of item (1) should be preferably 50% of (8).
 - Note 2 The consultant is to provide appointment letter and affidavit/undertaking duly signed by each of the individual staff members showing salary rates as above. Further during execution each invoice will also be provided showing that the professionals have been paid their salaries as per basic rates mentioned therein. Failing to which, NHA will take punitive action against the consultant and shall deduct the deficient amount from his monthly invoice. Moreover it will be considered as a negative mark on his performance that will be considered for future projects.

Full Name: _____
 Signature: _____
 Title: _____

DIRECT (NON-SALARY) COSTS

S.No.	Nomenclature	Unit	Quantity	Unit Price	Total Amount
1.	Rent for Office Accommodation	L.S			
2.	Office Utilities Costs	L.S			
3.	Cost/rental of Furniture/Furnishings	L.S			
4.	Cost (rentals) of Office/Other Equipment i) Computers and accessories ii) Photo copy machines iii) Communication equipment iv) Drafting/Engineering equipment v) Surveying instruments (rentals) vi) Cost of Laboratory testing etc. vii) Transport Vehicles(Rentals)	L.S			

S.No.	Nomenclature	Unit	Quantity	Unit Price	Total Amount
5.	Communication expenses	Per month			
6.	Cost for Survey	L.S			
7.	Drafting/Reproduction of Reports	L.S			
8.	Professional liability cost/Premium				This is to be paid by the firm from its overheads and here amount payable is only to be mentioned.
9.	Office/Drafting Supplies	L.S			
10.	Support Staff as needed for key professional staff along with number, charge rate and category for review	L.S			
11.	Others not covered above to comply with TOR requirement.	L.S			
Total:					

SUMMARY OF COST OF CONSULTANT FOR DESIGN SERVICES

Sr. No.	Description	Amount (Rs.)
1.	Salary Cost/Remuneration	
2.	Direct (Non-Salary) Cost	
3.	Grand Total	

Note: 1- This cost is supposed to be built up in bid price and if any thing is left blank it should be deemed to be included in cost except for items provided through construction contract.

2- The dues and salaries of staff are payable by the consultant in time and not later than 10th of the preceding month positively. In case of failure to do so Employer shall intervene and pay these dues and salaries of the concerned staff member(s) and recover from the invoice of the consultant at actual charges paid plus 1% of the amount. This will also be accounted for adversely in making assessment of the consultant in the next evaluation process for enlistment of consultants with report of such defaults.