

tion 2: Instructions to Consultants

Definitions	<ol style="list-style-type: none">a. 'Act' means the Punjab Procurement Regulatory Authority Act 2009;b. 'Agreement' means the Agreement signed by the parties and all the attached documents;c. 'Applicant' means a person or firm who seek to be enlisted or to be prequalified or to be short-listed in response to the advertisement given by the procuring agency;d. 'Associate' means any agency or person with whom the consultant associates in order to provide any part of the services;e. 'Authority' means the Punjab Procurement Regulatory Authority;f. 'Client' means the organization with which the selected Consultant signs the Agreement for the Services;g. 'Consultant' means any entity or person that may provide or provides the Services to the Client under the Agreement;h. 'Day' means calendar day;i. 'Government' means the Government of the Punjab and all its associated Departments, agencies, autonomous/semi-autonomous bodies, local governments, boards, universities and similar other organizations;j. 'Instructions to Consultant' means the document which provides short-listed Consultants with all information needed to prepare their Proposals.k. 'LOI' means the Letter of Invitation included in the RFP as Section - 1 being sent by the Client to the short-listed Consultants;l. 'Personnel' means professionals and support staff provided by the Consultant or by any Sub-Consultant and assigned to perform the Services or any Phase thereof; "Foreign Personnel" means such professionals and support staff who at the time of being so provided had their domicile outside Pakistan; "Local Personnel" means such professionals and support staff who at the time of being so provided had their domicile inside Pakistan;m. 'Proposal' means the Technical Proposal and the Financial Proposal;n. 'RFP' means the Request for Proposal to be prepared by the Client for the selection of Consultants, based on the Standard RFP;
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	<ul style="list-style-type: none"> o. ‘Rules’ means Punjab Procurement Regulatory Authority (PPRA) rules 2014. p. ‘Services’ means the work to be performed by the Consultant pursuant to the Agreement; q. ‘Sub-Consultant’ means any person or entity with whom the Consultant sub agreements any part of the Services; r. ‘Terms of Reference’ (TOR) means the document included in the RFP as Section 5 which explains the objectives, scope of work, activities, tasks to be performed, respective responsibilities of the Client and the Consultant, and expected results and deliverables of the assignment.
<p>1. Introduction</p>	<p>1.1 The Client named in the Data Sheet will select a consulting firm/organization (the Consultant) from those listed in the Letter of Invitation, in accordance with the method of selection specified in the Data Sheet.</p> <p>1.2 The short-listed Consultants are invited to submit a Technical Proposal and a Financial Proposal for consulting services required for the assignment as per the directions provided in the Data Sheet. Separate proposals shall be submitted against each task as mentioned in the Data Sheet. The proposals should be in separate marked and sealed envelopes. The Proposal will be the basis for agreement negotiations and ultimately for a signed Agreement with the selected Consultant.</p> <p>1.3 Consultants should familiarize themselves with assignment conditions and take them into account in preparing their Proposals. To obtain first-hand information on the assignment, Consultants are encouraged to visit the Client before submitting a proposal and to attend a pre- proposal conference if one is specified in the Data Sheet. If allowed in the Data Sheet attending the pre-proposal conference is optional. Consultants should contact the Client’s representative named in the Data Sheet to obtain additional information on the pre-proposal conference. Consultants should ensure these officials are informed well-ahead of time in case they wish to visit the Client.</p> <p>1.4 The Client will timely provide at no cost to the Consultants the inputs and facilities specified in the Data Sheet (if any), assist the firm in obtaining licenses and permits needed to carry out the services, and make available relevant project data and reports.</p> <p>1.5 Consultants shall bear all costs associated with the preparation and submission of their proposals and agreement negotiation. The Client may reject all proposals, and reserves the right to annul the selection process at any time prior to Agreement</p>

<p>Conflict of Interest</p>	<p>award, without thereby, incurring any liability to the Consultants.</p> <p>1.6 Government of Punjab policy requires that Consultants provide professional, objective, impartial advice and at all times hold the Client’s interests paramount, strictly avoid conflicts with other assignments or their own corporate interests and act without any consideration for future work.</p> <p>1.6.1 Without limitation on the generality of the foregoing, Consultants, and any of their affiliates, shall be considered to have a conflict of interest and shall not be recruited, under any of the circumstances set forth below:</p> <p>(i) A firm that has been engaged by the Client to provide goods, works or services other than consulting services for a project, and any of its affiliates, shall be disqualified from providing consulting services related to those goods, works or services. Conversely, a firm hired to provide consulting services for the preparation or implementation of a project, and any of its affiliates, shall be disqualified from subsequently providing goods or works or services other than consulting services resulting from or directly related to the firm’s consulting services for such preparation or implementation. For the purpose of this paragraph, services other than consulting services are defined as those leading to a measurable physical output, for example surveys, exploratory drilling, aerial photography, and satellite imagery.</p> <p>(ii) A Consultant (including its Personnel and Sub-Consultants) or any of its affiliates shall not be hired for any assignment that, by its nature, may be in conflict with another assignment of the Consultant to be executed for the same or for another Client. For example, a Consultant hired to prepare engineering design for an infrastructure project shall not be engaged to prepare an independent environmental assessment for the same project, and a Consultant assisting a Client in the privatization of public assets shall not purchase, nor advise purchasers of, such assets. Similarly, a Consultant hired to prepare Terms of Reference for</p>
<p>Conflicting Assignments</p>	

<p>Conflicting Relationships</p>	<p>an assignment should not be hired for the assignment in question.</p> <p>(iii) A Consultant (including its Personnel and Sub-Consultants) that has a business or family relationship with a member of the Client’s staff who is directly or indirectly involved in any phase of;</p> <p>(a) the preparation of the Terms of Reference of the assignment;</p> <p>(b) the selection process for such assignment, or</p> <p>(c) Supervision of the Agreement, may not be awarded an Agreement, unless the conflict stemming from this relationship has been resolved in a manner acceptable to the Government of Punjab throughout the selection process and the execution of the Agreement.</p> <p>1.6.2 Consultants have an obligation to disclose actual or potential conflict that impacts their capacity to serve the best interest of their Client, or that may reasonably be perceived as having this effect. Failure to disclose said situations may lead to the disqualification of the Consultant or the termination of its Agreement.</p> <p>1.6.3 No agency or current employees of the Client shall work as Consultants under their own ministries, Departments or agencies. Recruiting former government employees of the Client to work for their former ministries, Departments or agencies is acceptable provided no conflict of interest exists. When the Consultant nominates any government employee as Personnel in their technical proposal, such Personnel must have written certification from their government or employer confirming that they are on leave without pay from their official position and allowed to work full-time outside of their previous official position. Such certification shall be provided to the Client by the Consultant as part of his technical proposal.</p> <p>1.6.4 If a short-listed Consultant could derive a competitive advantage from having provided consulting services related to the assignment in question, the Client shall make available to all short- listed Consultants together with this RFP all information that would in that respect give such Consultant any competitive advantage over competing Consultants.</p>
<p>Unfair Advantage</p>	<p>1.7 The Government of Punjab requires Consultants</p>

<p>Fraud and Corruption</p>	<p>participating in its projects to adhere to the highest ethical standards, both during the selection process and throughout the execution of an agreement. In pursuance of this policy, the Government of Punjab:</p> <p>a) defines, for the purpose of this paragraph, the terms set forth below as follows:</p> <p>‘corrupt and fraudulent practice’ means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official or the contractor in the procurement process or in contract execution to the detriment of the procuring agency; or misrepresentation of facts in order to influence a procurement process or the execution of a contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the procuring agency of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty; it may include any of the following practices:</p> <p>(i) coercive practice by impairing or harming, or threatening to impair or harm, directly or indirectly, any Party or the property of the Party to influence the actions of a Party to achieve a wrongful gain or to cause a wrongful loss to another Party;</p> <p>(ii) collusive practice by arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;</p> <p>(iii) corrupt practice by offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another Party for wrongful gain;</p> <p>(iv) fraudulent practice by any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a Party to obtain a financial or other benefit or to avoid an obligation;</p> <p>(v) obstructive practice by harming or threatening to harm, directly or indirectly, persons or their property to influence their Participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before</p>
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	<p>investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any Party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights;</p> <p>b) will reject a proposal for award if it determines that the Consultant recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the agreement in question;</p> <p>c) Will sanction a Consultant, including declaring the Consultant ineligible, either indefinitely or for a stated period of time, to be awarded a Government of Punjab agreement if at any time it determines that the Consultant has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Government of Punjab agreement; and</p> <p>d) Will have the right to require that a provision be included requiring Consultants to permit the Government of Punjab to inspect their accounts and records and other documents relating to the submission of proposals and agreement performance, and have them audited by auditors appointed by the Government of Punjab.</p> <p>1.8 Consultants, their Sub-Consultants, and their associates shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Punjab in accordance with the above para. 1.7. Furthermore, the Consultants shall be aware of the provisions on fraud and corruption stated in the specific clauses in the General Conditions of Agreement.</p> <p>1.9 Consultants shall furnish information on commissions and gratuities, if any, paid or to be paid to agents relating to this proposal and during execution of the assignment if the Consultant is awarded the Agreement, as requested in the Financial Proposal submission form (Section 4)</p>
<p>Only One Proposal against each task, Separate team for Each Package</p>	<p>1.10 Short-listed Consultants may submit only one proposal for the prescribed tasks as specified in the TORs. Different proposals submitted by the consultant for a particular task, such proposal shall be disqualified.</p> <p>1.11 If short-listed Consultant intends to apply for more than one Package, separate teams may be nominated as proposed</p>

	in the TORs. Otherwise, the proposal will be considered for only one Package.
Proposal Validity	1.12 The Data Sheet indicates how long Consultants' Proposals must remain valid after the submission date. During this period, Consultants shall maintain the availability of Professional staff nominated in the Proposal. The Client will make its best effort to complete negotiations within this period. Should the need arise, however, the Client may request Consultants to extend the validity period of their proposals. Consultants who agree to such extension shall confirm that they maintain the availability of the Professional staff nominated in the Proposal, or in their confirmation of extension of validity of the Proposal, Consultants could submit new staff in replacement, which would be considered in the final evaluation for agreement award. Consultants who do not agree have the right to refuse to extend the validity of their Proposals.
Eligibility of Sub-Consultants	1.13 In case a short-listed Consultant intends to associate with any Consultants other than short-listed consultants and/or individual expert(s) (if allowed and provided in the data sheet), such other Consultants and/or individual expert(s) shall be subject to provision of copy of the agreement between consultant and sub consultant, on the legal format.
2. Clarification and Amendments of RFP Documents	<p>2.1 Consultants may request a clarification of any of the RFP documents up to the number of days indicated in the Data Sheet before the proposal submission date. Any request for clarification must be sent in writing, or by standard electronic means to the Client's address indicated in the Data Sheet. The Client will respond in writing, or by standard electronic means and will send written copies of the response (including an explanation of the query but without identifying the source of inquiry) to all Consultants. Should the Client deem it necessary to amend the RFP as a result of a clarification, it shall do so following the procedure under para. 2.2</p> <p>2.2 At any time before the submission of Proposals, the client may amend the RFP by issuing an addendum in writing or by standard electronic means. The addendum shall be sent to all Consultants by standard electronic means and will be binding on them. Consultants shall acknowledge receipt of all amendments and take an amendment into account in their Proposals. The Client may, if the amendment is substantial, extend the deadline for the submission of Proposals.</p>
3. Technical Proposal	3.1 The Proposal (see para. 1.2), as well as all related correspondence exchanged by the Consultants and the Client,

<p>Format and Content</p>	<p>shall be written in the language (s) specified in the Data Sheet</p> <p>3.2 In preparing their Proposal, Consultants are expected to examine in detail the documents comprising the RFP. Material deficiencies in providing the information requested may result in rejection of a Proposal.</p> <p>3.3 While preparing the Technical Proposal, Consultants must give Particular attention to the following:</p> <ul style="list-style-type: none"> a) If a short-listed Consultant considers that it may enhance its expertise for the assignment by associating with other Consultants in a joint venture or sub-consultancy, it may associate with any Consultant(s) other than short-listed Consultant(s). b) In case of association with non-short-listed Consultant(s) (if allowed in data sheet), the short-listed Consultant shall act as association leader. Any associations must be clearly indicated in the technical proposal. c) Alternative professional staff shall not be proposed, and only one curriculum vitae (CV) may be submitted for each position <p>3.4 The Technical Proposal shall provide the information indicated in the following paras from (a) to (g) using the attached Standard Forms (Section 3). Paragraph (c) (ii) indicates the recommended number of pages for the description of the approach, methodology and work plan of the Technical Proposal. A page is considered to be one printed side of A4 or letter size paper.</p> <ul style="list-style-type: none"> a) A brief description of the Consultants’ organization and an outline of recent experience of the Consultants on assignments of a similar nature is required in Form TECH-2 of Section 3. For each assignment, the outline should indicate the names of Sub-Consultants/ Professional staff who participated, duration of the assignment, agreement amount, and Consultant’s involvement. Information should be provided only for those assignments for which the Consultant was legally engaged by the Client as a firm or as one of the major firms within a joint venture. Assignments completed by individual Professional staff working privately or through other consulting firms cannot be claimed as the experience of the Consultant, or that of the Consultant’s associates, but can be claimed by the Professional staff themselves in their CVs. Consultants should be prepared to substantiate the claimed experience if so requested by the Client.
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<p>Financial Proposal</p> <p>Taxes</p>	<ul style="list-style-type: none"> b) Comments and suggestions on the Terms of Reference including workable suggestions that could improve the quality/effectiveness of the assignment; and on requirements for counterpart staff and facilities including: administrative support, office space, local transportation, equipment, data, etc. to be provided by the Client (Form TECH-3 of Section 3). c) A description of the approach, methodology and work plan for performing the assignment covering the following subjects: technical approach and methodology, work plan, and organization and staffing schedule. Guidance on the content of this section of the Technical Proposals is provided under Form TECH-4 of Section 3. The work plan should be consistent with the Work Schedule (Form TECH-8 of Section 3) which will show in the form of a bar chart the timing proposed for each activity. d) The list of the proposed Professional staff team by area of expertise, the position that would be assigned to each staff team member, and their tasks (Form TECH-5 of Section 3) e) Estimates of the staff input (staff-months of foreign and local professionals) needed to carry out the assignment (Form TECH-7 of Section 3). The staff-months input should be indicated for field activities, for Professional staff. f) CVs of the Professional staff signed by the staff themselves or by the authorized representative of the Professional Staff (Form TECH-6 of Section 3) along with their Computerized National Identity Card numbers. g) A detailed description of the proposed methodology and staffing for training, if the Data Sheet specifies training as a specific component of the assignment. <p>3.5 The Technical Proposal shall not include any financial information. A Technical Proposal containing financial information may be declared non-responsive.</p> <p>3.6 The Financial Proposal shall be prepared using the attached Standard Forms (Section 4). It shall list all costs associated with the assignment, including (a) remuneration for staff (local), in the field office, and (b) reimbursable expenses indicated in the Data Sheet. If appropriate, these costs should be broken down by activity. All activities and items described in the Technical Proposal must be priced separately; activities and items described in the Technical Proposal but not priced,</p>
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	<p>shall be assumed to be included in the prices of other activities or items.</p> <p>3.7 The Consultant may be subject to any government taxes (such as: value added or sales tax or income in the Data Sheet if the Consultant is subject to payment of any taxes. Any such amounts shall be included in the proposal, and consultants are required to submit the financial proposal by incorporating the values of taxes under separate heads, the cost of taxes will be discussed at agreement negotiations, and applicable amounts will be included in the Agreement.</p> <p>3.8 Consultants should express the price of their services in Pakistan Rupees.</p> <p>3.9 Commissions and gratuities, if any, paid or to be paid by Consultants and related to the assignment will be listed in the Financial Proposal Form FIN-1 of Section 4.</p>
<p>4. Submission, Receipt and Opening of Proposals</p>	<p>4.1 The original proposal (Technical Proposal and, if required, Financial Proposal; see para. 1.2) shall contain no interlineations or overwriting, except as necessary to correct errors made by the Consultants themselves. The person who signed the proposal must initial such corrections. Submission letters for both Technical and Financial Proposals should respectively be in the format of TECH-1 of Section 3, and FIN-1 of Section 4.</p> <p>4.2 An authorized representative of the Consultants shall initial all pages of the original Technical and Financial Proposals. The authorization shall be in the form of a written power of attorney accompanying the Proposal or in any other form demonstrating that the representative has been duly authorized to sign. The signed Technical and Financial Proposals shall be marked “ORIGINAL”.</p> <p>4.3 The Technical Proposal shall be marked “ORIGINAL” or “COPY” as appropriate. The Technical Proposals shall be sent to the addresses referred to in para. 4.5 and in the number of copies indicated in the Data Sheet. All required copies of the Technical Proposal are to be made from the original. If there are discrepancies between the original and the copies of the Technical Proposal, the original governs.</p> <p>4.4 The original and all copies of the Technical Proposal shall be placed in a sealed envelope clearly marked “TECHNICAL PROPOSAL” Similarly, the original Financial Proposal (if required under the selection method indicated in the Data Sheet) shall be placed in a sealed envelope clearly marked “FINANCIAL PROPOSAL” followed by the name of the assignment, and with a warning “DO NOT OPEN WITH</p>

	<p>THE TECHNICAL PROPOSAL.” The envelopes containing the Technical and Financial Proposals shall be placed into an outer envelope and sealed. This outer envelope shall bear the submission address and title of the Assignment, clearly marked “DO NOT OPEN, EXCEPT IN PRESENCE OF THE OFFICIAL APPOINTED, BEFORE SUBMISSION DEADLINE”. The Client shall not be responsible for misplacement, losing or premature opening if the outer envelope is not sealed and/or marked as stipulated. This circumstance may be case for Proposal rejection. If the Financial Proposal is not submitted in a separate sealed envelope duly marked as Indicated above, this will constitute grounds for declaring the proposal non-responsive.</p> <p>4.5 The Proposals must be sent to the address/addresses indicated in the Data Sheet and received by the Client no later than the time and the date indicated in the Data Sheet, or any extension to this date in accordance with para. 2.2. Any proposal received by the Client after the deadline for submission shall be returned unopened.</p> <p>4.6 Under the presence of all the officers concerned, the Clients shall open the Technical Proposal immediately after the deadline for their submission (as provided in the Data Sheet). The envelopes with the Financial Proposal shall remain sealed and securely stored.</p>
<p>5. Proposal Evaluation</p> <p>Evaluation of Technical Proposal</p>	<p>5.1 From the time, the Proposals are opened to the time the Agreement is awarded, the Consultants should not contact the Client on any matter related to its Technical and/or Financial Proposal. Any effort by Consultants to influence the Client in the examination, evaluation, ranking of Proposals, and recommendation for award of Agreement may result in the rejection of the Consultants’ Proposal. Evaluators of Technical Proposals shall have no access to the Financial Proposals until the technical evaluation is concluded.</p> <p>5.2 The evaluation committee shall evaluate the Technical Proposals on the basis of their responsiveness to the Terms of Reference, applying the evaluation criteria, sub- criteria, and point system specified in the Data Sheet. Each responsive Proposal will be given a technical score (St). A Proposal shall be rejected at this stage if it does not respond to important aspects of the RFP, and particularly the Terms of Reference or if it fails to achieve the minimum technical score indicated in the Data Sheet.</p> <p>5.3 After the technical evaluation is completed, the Client shall</p>

Public Opening and Evaluation of Financial Proposals (only for QCBS and Least-Cost Selection

inform the Consultants who have submitted proposals the technical scores obtained by their Technical Proposals, and shall notify those Consultants whose Proposals did not meet the minimum qualifying mark or were considered non-responsive to the RFP and TOR, that their Financial Proposals will be returned unopened after completing the selection process. The Client shall simultaneously notify in writing Consultants that have secured the minimum qualifying mark, the date, time and location for opening the Financial Proposals. Consultants' attendance at the opening of Financial Proposals is optional. The opening date shall be set so as to allow interested Consultants sufficient time to make arrangements for attending the opening.

5.4 Financial Proposals shall be opened publicly in the presence of the Consultants' representatives who choose to attend. The name of the Consultants, and the technical scores of the Consultants shall be read aloud. The Financial Proposal of the Consultants who met the minimum qualifying mark will then be inspected to confirm that they have remained sealed and unopened. These Financial Proposals shall be then opened, and the total prices read aloud and recorded.

5.5 The Evaluation Committee will correct any computational errors. When correcting computational errors, in case of discrepancy between a partial amount and the total amount, or between word and figures, the formers will prevail. In addition to the above corrections, as indicated under para. 3.6, activities and items described in the Technical Proposal but not priced, shall be assumed to be included in the prices of other activities or items. In case an activity or line item is quantified in the Financial Proposal differently from the Technical Proposal, (i) if the Time-Based form of agreement has been included in the RFP, the Evaluation Committee shall correct the quantification indicated in the Financial Proposal so as to make it consistent with that indicated in the Technical Proposal, apply the relevant unit price included in the Financial Proposal to the corrected quantity and correct the total Proposal cost, (ii) if the Lump-Sum form of agreement has been included in the RFP, no corrections are applied to the Financial Proposal in this respect.

5.6 In case of QCBS, the lowest evaluated Financial Proposal (Fm) will be given the maximum financial score (Sf) of 100 points. The financial scores (Sf) of the other Financial Proposals will be computed as indicated in the Data Sheet.

5.7 Proposals will be ranked according to their combined technical (St) and financial (Sf) scores using the weights (T = the weight given to the Technical Proposal; P = the weight given to the

	<p>Financial Proposal; $T + P = 1$) indicated in the Data Sheet: $S = S_t \times T\% + S_f \times P\%$. The firm achieving the highest combined technical and financial score will be invited for negotiations.</p>
<p>6. Negotiations</p> <p>Technical Negotiations</p> <p>Financial Negotiations</p> <p>Availability of Professional staff/experts</p>	<p>6.1 Negotiations will be held at the date and address indicated in the Data Sheet. The invited Consultant will, as a prerequisite for attendance at the negotiations, confirm availability of all Professional staff. Failure in satisfying such requirements may result in the Client proceeding to negotiate with the next-ranked Consultant. Representatives conducting negotiations on behalf of the Consultant must have written authority to negotiate and conclude an Agreement.</p> <p>6.2 Negotiations will include a discussion of the Technical Proposal, the proposed technical approach and methodology, work plan, and organization and staffing, and any suggestions made by the Consultant to improve the Terms of Reference. The Client and the Consultants will finalize the Terms of Reference, staffing schedule, work schedule, logistics, and reporting. These documents will then be incorporated in the Agreement as “Description of Services”. Special attention will be paid to clearly defining the inputs and facilities required from the Client to ensure satisfactory implementation of the assignment. The client shall prepare minutes of negotiations which will be signed by the Client and the Consultant.</p> <p>6.3 If applicable, it is the responsibility of the Consultant, before starting financial negotiations, to determine the tax amount to be paid by the Consultant under the Agreement. The financial negotiations will reflect the agreed technical modifications in the cost of the services. In the cases of QCBS, , and the Least-Cost Selection methods, financial negotiations can involve the remuneration rates for staff or other proposed unit rates if there is a revision of scope or if the bid rate exceeds the available budget. For other methods, Consultants will provide the Client with the information on remuneration rates described in the Appendix attached to Section 4 - Financial Proposal - Standard Forms of this RFP.</p> <p>6.4 Having selected the Consultant on the basis of, among other things, an evaluation of proposed Professional staff, the Client expects to negotiate an Agreement on the basis of the Professional staff named in the Proposal. Before agreement negotiations, the Client will require assurance that the Professional staff will be actually available. The Client will not consider substitutions during agreement negotiations unless both parties agree that undue delay in the selection process makes such substitution unavoidable or for reasons such as</p>

<p>Conclusion of Negotiations</p>	<p>death or medical incapacity. If this is not the case and if it is established that Professional staff were offered in the proposal without confirming their availability, the Consultant may be disqualified. Any proposed substitute shall have equivalent or better qualifications and experience than the original candidate and be submitted by the Consultant within the period of time specified in the letter of invitation to negotiate.</p> <p>6.5 Negotiations will conclude with a review of the draft Agreement. To complete negotiations the Client and the Consultant will initial the agreed Agreement. If negotiations fail, the Client will invite the Consultant whose Proposal received the second highest score to negotiate an Agreement.</p>
<p>7. Award of Agreement</p>	<p>7.1 After completing negotiations the Client shall award the Agreement to the selected Consultant and publish details on the Directorate General (M&E), Planning & Development Department website and promptly notify all Consultants who have submitted proposals. After Agreement signature, the Client shall return the unopened Financial Proposals to the unsuccessful Consultants.</p> <p>7.2 The Consultant is expected to commence the assignment on the date and at the location specified in the Data Sheet.</p>
<p>8. Confidentiality</p>	<p>8.1 Information relating to evaluation of Proposals and recommendations concerning awards shall not be disclosed to the Consultants who submitted the Proposals or to other persons not officially concerned with the process, until the publication of the award of Agreement. The undue use by any Consultant of confidential information related to the process may result in the rejection of its Proposal and may be subject to the provisions of the PPRA rules 2014 relating to fraud and corruption.</p>

Instructions to Consultants

DATA SHEET

Paragraph Reference							
1.1	<p>Name of the Client: <u>Directorate General Monitoring and Evaluation, Planning & Development Board, Government of the Punjab</u></p> <p>Method of Selection: <u>Quality and Cost Based</u></p>						
1.2	<p>Financial Proposal to be submitted together with Technical Proposal: Yes</p> <p>Name of the assignment is: Third Party Validation of Rural Accessibility Program (RAP) Naya Pakistan Manzilen Asan Phase-II</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Package</th> <th style="text-align: center;">Division</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">I.</td> <td style="text-align: center;">Gujranwala</td> </tr> <tr> <td style="text-align: center;">III.</td> <td style="text-align: center;">Rawalpindi</td> </tr> </tbody> </table> <p>Under the approved project titled, “PC-II for TPV of Rural Accessibility Program Naya Pakistan Manzilyen Asan” Separate Proposals shall be submitted against each Package.</p>	Package	Division	I.	Gujranwala	III.	Rawalpindi
Package	Division						
I.	Gujranwala						
III.	Rawalpindi						
1.3	N/A						
1.4	<p>The Client will provide the following inputs and facilities: Details regarding Rural Roads has been attached. Login ID and Password of Web/Android Based System to update Data / Photographs pertaining to TPV will be provided by the Urban Unit.</p>						
1.6.1	The Client envisages the need for continuity for downstream work: No						
1.10	Proposals shall be submitted as described in TORs.						
1.11	If short-listed Consultant intends to apply for more than one Package, separate teams shall be nominated as proposed in the TORs. Otherwise, the proposal will be considered for only one Package.						
1.12	Proposals must remain valid for 90 days after the submission date,						
2.1	<p>The address for requesting clarifications is Director General, DGM&E, P&D Board,</p>						

	<p>4th Floor, BOS Building, 65-Trade Center Block, M.A. Johar Town, Lahore.</p> <p>E-mail: dgme.punjab@gmail.com</p> <p>Ph No.042-99230066, 99233191</p>
3.1	Proposals shall be submitted in the English language
3.3 (a)	Short-listed Consultants may associate with shortlisted consultants or other than short-listed Consultants: No
3.4 (a)	Firms should submit details of 05 completed assignments (pertaining to TPV or Resident Supervision of Carpeted Roads)
3.4 (f)	CVs should contain details on projects done by the individual in the past years.
3.6	<p>(i) Cost of necessary travel, including transportation of the Personnel by the most appropriate means of transport and the most direct practicable route, supported with a vehicle on rental basis along with a provision of petrol, driver and maintenance charges (if any);</p> <p>(ii) Cost of office accommodation, inclusive of all utility expenditure;</p> <p>(iii) Cost of applicable local communications such as the use of telephone and facsimile required for the purpose of the services;</p> <p>(iv) Cost of printing and dispatching of the reports to be produced for the Services;</p> <p>(v) Miscellaneous Expenditure (Labor work i.e., office boy, data entry operator etc.)</p> <p>(vi) *Cost of testing required for validation and to check the quality of roads</p> <p>* Total no. of test multiplied by (X) rate of each test</p>
3.7	Amounts payable by the Client to the Consultant under the agreement to be subject to all applicable taxes levied at the time of payment: Yes
4.3	<p>Consultant must submit 01 (One) No. original and 02 (Two) No. copies of the Technical Proposal, and 01 (One) No. original Financial Proposal.</p> <p>Moreover, original Technical & Financial Proposals should be signed on each page by the competent / authorized representative of the firm.</p>
4.5	<p>The Proposal submission address is:</p> <p>Director General, DGM&E, P&D Board,</p> <p>4th Floor, BOS Building, 65-Trade Center Block, M.A. Johar Town, Lahore.</p> <p>Proposals must be submitted no later than the following date and time: <u>(Monday) 02.08.2021 till 02:00 pm</u></p>
4.6	Technical Proposals will be opened in the presence of all the concerned on Monday, 2nd August, 2021 at 2:30 pm in the Conference Room

	<p>of DGM&E, 4th Floor, BOS Building, 65-Trade Center Block, M.A. Johar Town, Lahore.</p>																																																
5.2	<p>Criteria, sub-criteria, and point system for the evaluation of Technical Proposals are as follows:</p> <table> <thead> <tr> <th>A₁</th> <th>Company Profile</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>Number of Similar Assignments</td> <td>40</td> </tr> <tr> <td>b)</td> <td>Value of Similar Assignments</td> <td>30</td> </tr> <tr> <td>c)</td> <td>TPV experience of KPRRP or similar type of project</td> <td>10</td> </tr> <tr> <td>d)</td> <td>Human Resource Capacity and Quality Management System</td> <td>10</td> </tr> <tr> <td>e)</td> <td>Financial Capacity</td> <td>10</td> </tr> <tr> <td></td> <td>Total A₁</td> <td>100</td> </tr> </tbody> </table> <table> <thead> <tr> <th>A₂</th> <th>Project Team</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>Team Leader</td> <td>35</td> </tr> <tr> <td>b)</td> <td>Material Engineer</td> <td>25</td> </tr> <tr> <td>c)</td> <td>Junior Engineer</td> <td>20</td> </tr> <tr> <td>d)</td> <td>Quantity Surveyor/ Lab Technician (2 or 3 No.)</td> <td>20</td> </tr> </tbody> </table> <table> <thead> <tr> <th>A₃</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>Understanding and Innovativeness</td> <td>40</td> </tr> <tr> <td>b)</td> <td>Methodology and Work Plan</td> <td>60</td> </tr> <tr> <td></td> <td>Total A₃</td> <td>100</td> </tr> </tbody> </table> <p>Technical Score*** = $\frac{A_1[20\%]}{100} + \frac{A_2[60\%]}{100} + \frac{A_3[20\%]}{100}$</p> <p>* Consultants should submit separate staff for each package/division</p> <p>**The minimum technical score St required to pass is: <u>65 %</u> <u>If technical score of any firm remain less than 65% then, technical bid will not be entertained for further process.</u></p>	A₁	Company Profile	Points	a)	Number of Similar Assignments	40	b)	Value of Similar Assignments	30	c)	TPV experience of KPRRP or similar type of project	10	d)	Human Resource Capacity and Quality Management System	10	e)	Financial Capacity	10		Total A₁	100	A₂	Project Team	Points	a)	Team Leader	35	b)	Material Engineer	25	c)	Junior Engineer	20	d)	Quantity Surveyor/ Lab Technician (2 or 3 No.)	20	A₃			a)	Understanding and Innovativeness	40	b)	Methodology and Work Plan	60		Total A₃	100
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5.6	<p>The formula for determining the financial scores is the following: Sf = 100 x Fm / F, in which, Sf is the financial score, Fm is the lowest price and F the price of the proposal under consideration.</p>																																																

	<p>The weights given to the Technical (T) and Financial Proposals (F) are:</p> <p>T = 70% i.e., weight-age 0.70, and</p> <p>F = 30% i.e., weight-age 0.30</p>
6.1	Expected date and address for agreement negotiations: - August, 2021
7.2	Expected date for commencement of consulting services – August, 2021

Section 3: Technical Proposal - Standard Forms

Refer to Reference Paragraph 3.4 of the Data Sheet for format of Technical Proposal to be submitted, and paragraph 3.4 of Section 2 of the RFP for Standard Forms required and number of pages recommended.

- TECH-1 Technical Proposal Submission Form
- TECH-2 Consultant's Organization and Experience
 - A Consultant's Organization
 - B Consultant's Experience
 - C Financial Capability

- TECH-3 Comments or Suggestions on the Terms of Reference and on Counterpart Staff and Facilities to be provided by the Client
 - A On the Terms of Reference
 - B On the Counterpart Staff and Facilities

- TECH-4 Description of the Approach, Methodology and Work Plan for Performing the Assignment
- TECH-5 Team Composition and Task Assignments
- TECH-6 Curriculum Vitae (CV) for Proposed Professional Staff
- TECH-7 Staffing Schedule
- TECH-8 Work Schedule

FORM TECH-1 TECHNICAL PROPOSAL SUBMISSION FORM

[Location, Date]

To: [Name and address of Client]

Dear Sir,

We, the undersigned, offer to provide the consulting services for [Insert title of assignment] in accordance with your Request for Proposal dated [Insert Date] and our Proposal. We are hereby submitting our Proposal, which includes this Technical Proposal, and a Financial Proposal sealed under a separate envelope.

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

If negotiations are held during the period of validity of the Proposal, i.e., before the date indicated in Paragraph Reference 1.11 of the Data Sheet, we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from Agreement negotiations.

We undertake, if our Proposal is accepted, to initiate the consulting services related to the assignment not later than the date indicated in Paragraph Reference 7.2 of the Data Sheet.

We understand you are not bound to accept any Proposal you receive. We remain,

Yours sincerely,

Authorized Signature [In full and initials]: _____

Name and Title of Signatory: _____

FORM TECH-2 CONSULTANT'S ORGANIZATION AND EXPERIENCE

A - Consultant's Organization

[Provide here a brief (two pages) description of the background and organization of your firm/entity (including organogram).]

1. Firm Background:
2. Chief Executive Officer
3. Board of Directors / Partners.
4. Departmental Structure of the Firm.
5. Organogram

A-I,

Whether your firm is ISO Certified? If so provide a copy of ISO Certification.

B - Consultant's Experience

[Using the format below, provide information on each assignment for which your firm was legally contracted as a corporate entity or as one of the major companies within an association, for carrying out consulting services similar to the ones requested under this Assignment. Provide 5 projects that best illustrate the assignment proposed. Use maximum 20 pages. Please provide Client's certification and/or evidence of the contract agreement.]

Assignment name:	Cost of the Project
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total No. of staff-months (by your firm) on the assignment:
Start date (month/year): Completion date (month/year):	1. Total value of the consultancy agreement 2. Value of consultancy services provided by your firm under the agreement (in current PKR):
Name of associated Consultants, if any:	No. of professional staff-months provided by associated Consultants:
Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):	
Narrative description of Project:	
Description of actual services provided by your staff within the assignment:	
1. Firms Name:	
2. Certificate by the Client / Employer that the work was successfully completed by the consultant.	

**REFERENCE AND ON COUNTERPART STAFF AND FACILITIES TO BE PROVIDED
BY THE CLIENT**

A - On the Terms of Reference

[Present and justify here any modifications or improvement to the Terms of Reference you are proposing to improve performance in carrying out the assignment (such as deleting some activity you consider unnecessary, or adding another, or proposing a different phasing of the activities). Such suggestions should be concise and to the point, and incorporated in your Proposal.]

B - On Counterpart Staff and Facilities

[Comment here on counterpart staff and facilities to be provided by the Client according to Paragraph Reference 1.4 of the Data Sheet including: administrative support, office space, local transportation, equipment, data, etc.]

**FORM TECH-4 DESCRIPTION OF APPROACH, METHODOLOGY AND WORK
PLAN FOR PERFORMING THE ASSIGNMENT**

[Technical approach, methodology and work plan are key components of the Technical Proposal. You are suggested to present your Technical Proposal (50 pages, inclusive of charts and diagrams) divided into the following three chapters:

- a) Technical Approach and Methodology,
 - b) Work Plan, and
 - c) Organization and Staffing.
-
- a) **Technical Approach and Methodology** In this chapter you should explain your understanding of the objectives of the assignment, approach to the services, methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output. You should highlight the problems being addressed and their importance, and explain the technical approach you would adopt to address them. You should also explain the methodologies you propose to adopt and highlight the compatibility of those methodologies with the proposed approach.
 - b) **Work Plan** In this chapter you should propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the Client), and delivery dates of the reports. The proposed work plan should be consistent with the technical approach and methodology, showing understanding of the TOR and ability to translate them into a feasible working plan. A list of the final documents, including reports, drawings, and tables to be delivered as final output, should be included here. The work plan should be consistent with the Work Schedule of Form TECH-8.
 - c) **Organization and Staffing** In this chapter you should propose the structure and composition of your team. You should list the main disciplines of the assignment, the key expert responsible, and proposed technical and support staff.

FORM TECH-6 CURRICULUM VITAE (CV) FOR PROPOSED PROFESSIONAL STAFF

1. **Proposed Position** [*only one candidate shall be nominated for each position*]: _____

2. **Name of Firm** [*Insert name of firm proposing the staff*]: _____

3. **Name of Staff** [*Insert full name*]: _____

4. **Date of Birth:** _____ **Nationality:** _____

5. **CNIC No (if Pakistani):** _____ **or Passport No:** _____

6. **Education:**

<i>Degree</i>	<i>Major/Minor</i>	<i>Institution</i>	<i>Date (MM/YYYY)</i>

7. **Membership of Professional Associations:** _____

8. **Other Training** [*Indicate significant training since degrees under 6 - Education were obtained*]: _____

9. **Languages** [*For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing*]: _____

10. **Employment Record** [*Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment (see format here below): dates of employment, name of employing organization, positions held.*]:

<i>Employer</i>	<i>Position</i>	<i>From (MM/YYYY)</i>	<i>To (MM/YYYY)</i>

11. Detailed Tasks Assigned

[List all tasks to be performed under this assignment]

12. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned

[Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks listed under point 11.]

1) Name of assignment or project & Location: _____
Cost of Project _____ Date of Start: _____ - _____
Date of Completion: _____ Actual time spent on the project: _____
(in months). Client: _____
Main project features: _____
Positions held: _____
Activities performed: _____

2) Name of assignment or project & Location: _____
Cost of Project _____ Date of Start: _____ - _____
Date of Completion: _____ Actual time spent on the project: _____
(in months). Client: _____
Main project features: _____
Positions held: _____
Activities performed: _____

3) Name of assignment or project & Location: _____
Cost of Project _____ Date of Start: _____ - _____
Date of Completion: _____ Actual time spent on the project: _____
(in months). Client: _____
Main project features: _____
Positions held: _____
Activities performed: _____

[Unroll the project details group and continue numbering (4, 5, ...) as many times as is required]

13. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Date: _____
[Signature of staff member or authorized representative of the staff] *Day/Month/Year*

Full name of authorized representative: _____

FORM TECH-7 STAFFING SCHEDULE¹

Full time input
 Phase time input

Year: _____		Staff input (in the form of a bar chart) ²												Total staff-month input		
N ^o	Name of Staff	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Home	Field	Total
1	[Field]															
2																
n																
														Subtotal		
														Total		

- 1 For Professional Staff the input should be indicated individually; for Support Staff it should be indicated by category (e.g.: draftsmen, clerical staff, etc.).
- 2 Months are counted from the start of the assignment.
- 3 Field work means work carried out at a place other than the Consultant's home office

Section 4: Financial Proposal - Standard Forms

[Comments in brackets [] provide guidance to the short-listed Consultants for the preparation of their Financial Proposals; they should not appear on the Financial Proposals to be submitted.]

Financial Proposal Standard Forms shall be used for the preparation of the Financial Proposal according to the instructions provided under para. 3.6 of Section 2. Such Forms are to be used whichever is the selection method indicated in para. 6 of the Letter of Invitation.

FIN-1 Financial Proposal Submission Form

FIN-2 Summary of Costs

FIN-3 Breakdown of Costs by Activity

FIN-4 Breakdown of Remuneration

FIN-5 Reimbursable expenses

Appendix: Financial Negotiations - Breakdown of Remuneration Rates

FORM FIN-1 FINANCIAL PROPOSAL SUBMISSION FORM

[Location, Date]

To: [Name and address of Client]

Dear Sir,

We, the undersigned, offer to provide the consulting services for [Insert title of assignment] in accordance with your Request for Proposal dated [Insert Date] and our Technical Proposal. Our attached Financial Proposal is for the sum of [Insert amount(s) in words and figures¹]. This amount is inclusive of all applicable taxes.

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Agreement negotiations, up to expiration of the validity period of the Proposal, i.e. before the date indicated in Paragraph Reference 1.11 of the Data Sheet.

No commissions or gratuities have been or are to be paid by us to agents relating to this Proposal and Agreement execution.

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature [In full and initials]: _____

Name and Title of Signatory: _____

Name of Firm: _____

Address: _____

FORM FIN-2 SUMMARY OF COSTS

Item	Costs
	Pak Rupees
Cost of Consultancy Services ¹	
All Applicable Taxes ²	
Total Costs of Financial Proposal	

1. Total Cost of Consultancy will include Remuneration and Reimbursable Cost. Cost of Consultancy Services must coincide with the sum of the relevant Subtotals indicated in all Forms FIN-3 provided with the Proposal.
2. Indicate the total costs, net of local taxes, to be paid by the Client in each currency.

FORM FIN-3 BREAKDOWN OF COSTS BY ACTIVITY¹

Group of Activities: ²	Description: ³
Cost component	Costs
	Pak Rupees
(A)	
Remuneration	
Reimbursable Expenses	
Sub Total (A)	
(B)	
Punjab Sales Tax @ 16%	
Sub Total (B)	
TOTAL (A+B)	

- 1 Form - FIN 3 shall be filled for the whole assignment. The sum of the relevant Subtotals of Form FIN-3 provided must coincide with the **Costs of Consultancy Services** indicated in Form FIN-2.
- 2 Names of activities should be the same as, or correspond to the ones indicated in the second column of Form TECH-8.
- 3 Short description of the activities whose cost breakdown is provided in this Form.
- 4 For each currency, Remuneration and Reimbursable Expenses must respectively coincide with relevant Total Costs indicated in Forms FIN-4, and FIN-5.

Form FIN-4 BREAKDOWN OF REMUNERATION¹

Name²	Position³	Staff-month Rate⁴	Input⁵ (Staff-months)	Pak Rupees
Total Costs				

1. Form FIN-4 shall be filled for each of the Forms FIN-3 provided.
2. Professional Staff should be indicated individually; Support Staff should be indicated per category (e.g.: draftsmen, clerical staff).
3. Positions of Professional Staff shall coincide with the ones indicated in Form TECH-5.
4. Indicate separately staff-month rate and currency field work.
5. Indicate the total expected input of staff for carrying out the group of activities or phase indicated in the Form.
6. For each staff indicate the remuneration in the column of the relevant currency for field work. Remuneration = Staff-month Rate x Input.

FORM FIN-5 BREAKDOWN OF REIMBURSABLE EXPENSES¹

No	Description	Unit	Unit Cost ²	Quantity	Pak Rupees ³
	Transportation costs ⁴				
	Office accommodation / Office rent ⁵				
	Cost of applicable local communications such as the use of telephone and facsimile				
	Drafting, reproduction of reports				
	Misc. (Labor work i.e., office boy, data entry operator, etc.)				
	Cost of testing required to check the quality of roads (tentative amount) ⁶				
Total Costs					

1. Delete items that are not applicable or add other items according to Paragraph Reference 3.6 of the Data Sheet.
2. Indicate unit cost and currency.
3. Indicate the cost of each reimbursable item in the column of the relevant currency. Cost = Unit Cost x Quantity.
4. Inclusive of POL and maintenance.
5. Inclusive of all utility expenditures.
6. Total no. of tests X rate of each tests and hence total amount will be reimbursable subject to the submission of actual bill/invoice of the testing laboratories.

Section 5: TERMS OF REFERENCES

THIRD PARTY VALIDATION (TPV) OF RURAL ACCESSIBILITY PROGRAM (RAP) NAYA PAKISTAN MANZLIYEN ASAN PHASE-II

1. INTRODUCTION

Major chunk of the rural roads consists of Farm to Market Roads majority constructed two to three decades ago and because of deferred maintenance are in bad condition at present. Even in certain cases, these are not traffic worthy demanding rehabilitation. Existing 10ft metaled roads requires rehabilitation as perceived by Government to 12ft at least to meet the laid down criteria of lane width. Rehabilitation of existing Rural Roads will provide communication facilities to the rural population in the respective districts and transportation of agriculture produce / industrial to the Local Markets.

Punjab Highways Department, CWD has been assigned the task by the Government of Punjab to take up execution of the projects under Rural Accessibility Programme (RAP) with financial outlay of approximately Rs.14.48 Billion. Roads to be taken up under the programme have been identified and prioritized by the Committee notified by P&D Department for each District. The scope of the work includes widening & strengthening of 10-ft wide existing roads to 12-ft wide roads including structure and construction of 12-ft wide new roads with asphaltic wearing surface. The Government of the Punjab has initiated “Rural Accessibility Programme (RAP)” and its implementation parameters are approved by the Worthy Chief Minister Punjab. Accordingly, all the schemes has been verified by the respective committees with respect to their viability / necessity as per approved criteria.

In 1st phase total 173 Roads have been executed/constructed by C&W Department in RAP at cost of Rs.15.38 Billion. DG M&E has been assigned to conduct Third Party Validation of RAP Phase I Vide letter No. SOH-I(C&W) 6-10/2018 (TPV) Dated 4th April, 2019. It is pertinent to mention that there was no prior intimation to this office to conduct the TPV of RAP-I and no funds were allocated in ADP 2019-2020 for this purpose. Therefore, TPV could not be conducted due to non-availability of funds and procedural requirements of approval of PC-II from PDWP and then from then cabinet committee on Finance and Development as subject scheme was not included in the ADP 2019-2020.

In 2nd Phase 154 Roads have been selected by C&W Department for construction/execution. DG M&E will conduct TPV of this phase as the desired list of roads have been received to this office.

The TPV work is divided in all nine divisions and separate TPV consultant will be appointed accordingly in every division of Punjab to validate road works under RAP II. (Table 1)

Table 1: Detail of Roads for rehabilitation/Widening in RAP Phase-II

Package	Division	Estimated Cost	No. of Roads to be Rehab./ Widened/ Improved	Length of Roads (Kms)
		(Rs. in million)		
I	Gujranwala	1199.06	14	88.75
II	Lahore	1487.81	13	97.00
III	Rawalpindi	998.05	11	67.50
IV	Sahiwal	1052.32	9	75.25
V	Sargodha	2202.32	24	190.14
VI	Faisalabad	1458.82	20	135.91
VII	Multan	1781.13	19	121.84
VIII	Bahawalpur	1822.96	16	125.21
IX	D.G. Khan	2341.31	28	176.50
Total		14343.77	154	1078.10

The human resource requirement will not be uniform in each package (Table 4&5). For this assignment TPV Consultants will be engaged maximum for a period of five Months. The job will be to validate all schemes with respect to the approved specifications, and TPV Consultants will visit project sites during currency of project at completion of each layer of road. Technical teams will be required to be deputed at the relevant project sites/Divisions on full time basis.

TPV Consultants will be required to conduct the quality testing as per standard methodology and criteria as mentioned. All information of TPV including test results will be shared with the concerned stakeholders including C&W department, P&D Board, concerned Chief Engineer/SE/XEN on monthly basis. However, the TPV Consultant will

upload the same information on android based system established by The Urban Sector Planning **and Management Services Unit Pvt. Ltd (Urban Unit) on daily basis.**

2. OBJECTIVES OF PROPOSED CONSULTANCY

- i. Efficient / transparent third party Validation of the rehabilitation and construction works of rural roads.
- ii. Representative testing including shoulders and all layers of roads to assess the road quality to support the validation reports by the Consultant.
- iii. To generate TPV reports of identified roads.
- iv. To upload the TPV test results at web / android based system along with pictorial evidence and verified test reports. Login ID and Password of the system will be provided by The Urban Sector Planning and Management Services Unit Pvt. Ltd (Urban Unit).
- v. Any other task assigned by the Client for improvement of Third Party Validation of rehabilitation and construction of rural roads work.

3. SCOPE, DUTIES AND RESPONSIBILITIES OF THE TPV CONSULTANT

The scope, duties and responsibilities of the TPV Consultants will include but not necessarily limited to the following:

- i. The Consultant will prepare a comprehensive and logical work plan and present to the DGM&E, P&D Board in the form of an Inception Report for review and approval and subsequent implementation.
- ii. The required quality and quantity of Technical / Core Team of Consultant (As per requirements defined in Table 4 & Table 5) will be deputed on site on full time basis as per TOR. The presence of Consultant's field staff may be randomly checked by the office of DGM&E at any time.
- iii. Technical / Core Team of Consultant (As per requirements defined in Table 4 & Table 5) is required to work in coordination and collaboration with the Staff of C&W Department, The Urban Sector Planning and Management Services Unit Pvt. Ltd (Urban Unit) and DGM&E to provide TPV services pertaining to project (RAP).
- iv. The Consultant will establish an office with all requisite equipment,

- machinery, computers and printers etc. at the Division level to ensure their presence in the respective Divisions.
- v. In case of rigid pavement, standard test of rigid pavement will be conducted by the TPV Consultants to validate quality of work.
 - vi. The TPV Consultant will analyze and validate the quality of rehabilitated / newly constructed roads at substantial completion of every layer. Additional field / Lab tests may be conducted under the directions of as and when required by client.
 - vii. The selected TPV Consultant will upload the status on the web on daily basis, developed by The Urban Sector Planning and Management Services Unit Pvt. Ltd (Urban Unit) P&D Board.
 - viii. Pictorial evidence of work will be uploaded by the selected TPV Consultant on daily basis on each site visit, against their work plan, on the web / android based system so that the comparison of pre and post rehabilitation and construction works could be observed by various stakeholders.
 - ix. Detail TPV report will be submitted in soft and hard form to DGM&E and C&W Department on monthly basis.
 - x. Lab testing will be conducted by the TPV Consultant at substantial completion of Subgrade, Sub-Base, Base and Asphalt Wearing Course, so that the course correction may be made at appropriate time. Any other test of structures / culverts / bridges pertaining to road may be conducted at discretion of CWD or DG M&E. Deep testing will be conducted up to the level of Base Course at those places where sub-grade, sub base and base course tests were failed earlier to confirm the quality status of any of the previous layers.
 - xi. The international level facility of the conducting field testing and lab testing will be arranged / owned by the selected TPV Consultants and they will be responsible for testing results at any level / forum.
 - xii. The TPV consultants will conduct all testing on all the roads as per TORs regardless of the kind of road i.e. new construction, rehabilitation works, road widening, overlay etc.
 - xiii. Verification of location of roads as per decided locations and record GPS Coordinates.

- xiv. Verification of road width, length and cross section
- xv. Verification of road furniture's
- xvi. Verification of all concrete structures as per design
- xvii. Validation of complete scope of work as per PC-1
- xviii. Highlight road and concrete structures related issues supported with pictorial evidences along with plausible solutions.
- xix. Triple constraint analysis (Time, cost and scope)
- xx. Measure Effectiveness of role of Resident Supervision
- xxi. Strong Suggestions for improvement in design, supervision and performance of roads in future.
- xxii. Consultant shall ensure that works have been executed according to the drawings and specifications.
- xxiii. The consultant shall report the problems of potential nature which might arise in connection with construction.

4. LIMITATION

- i. To avert conflict of interest, only those Consulting Firms will be entitled to apply for the Third Party Validation (TPV) who are not engaged as Resident Supervision Consultants/Design Consultant by C&W Department in that Division where the firm intends to apply as TPV consultant. The selected TPV Consultants will furnish a certificate to this effect before entering into the agreement.
- ii. Keeping in view the limited capacity of TPV Consultants, one Consultant may be engaged in maximum three packages of the project.
- iii. Separate Staff/Team will be engaged for each package. Consulting firm being applying for the work of different Packages/Divisions should appoint a separate staff for each Package/Division.
- iv. For each Package/Division a Project Coordinator will be appointed by the selected Consultant who will be stationed at the office of the Directorate General (M&E), for coordination and contract administration.

5. WORKING LANGUAGE

Working language will be English.

6. **QUALITY CONTROL ROAD TESTS**

The selected Consultant in each package will conduct requisite quality control tests to validate rehabilitation / construction works or quality of rehabilitation work at execution or completion stage of work.

The Consultant will perform tests at completion of every layer such as sub grade, sub-base, base and AWC respectively so that course corrections would be made at appropriate time.

Table 2: Detail of Tests to be conducted on project sites and in Laboratory

Sr. No	Item of Work	Field Tests	Lab Tests
1	Sub grade	<ul style="list-style-type: none"> Core cutter method or sand replacement method for relative compaction Sieve analysis 	Max Modified Dry Density for compaction(AASHTO)
			Sieve Analysis
			California Bearing Ratio (CBR)*
2	Sub Base	<ul style="list-style-type: none"> Sand replacement method for relative compaction Sieve analysis 	Max Modified Dry Density for compaction (AASHTO)
			Sieve Analysis
			California Bearing Ratio (CBR)*
3	Base Course	<ul style="list-style-type: none"> Sand replacement method for relative compaction Sieve analysis 	Max Modified Dry Density for compaction (AASHTO)
			Sieve Analysis
			California Bearing Ratio (CBR)*
4	Asphalt Concrete	<ul style="list-style-type: none"> Bitumen Extraction test Core extraction for determination of thickness and Compaction Sieve Analysis 	Thickness and Compaction
			Bitumen Extraction and Gradation Analysis

5	Concrete works**	Standard quality control tests	Compressive Strength concrete cubes/cylinder
6	Steel Testing**	Standard quality control tests	Yield/Ultimate strength of steel
7	Bricks**	Standard quality control tests	Compressive Test
			Water absorption Test
8	Inspection / Quality of Road Furniture	Physical inspection /verification (other testing if required)	Standard Quality tests/Inspection of Cat eyes, Lane Marking, Studs, Sign Board etc.

**Only one CBR will be required for every road and not on multiple sections.*

*** The performance of Lab Tests mentioned at serial 5, 6 & 7 will be at the discretion of TPV Consultants as per field situation, under the intimation of Client.*

Note:

1. The TPV consultants will conduct all testing on all the roads as per TORs regardless of the kind of road i.e. new construction, rehabilitation works, road widening, overlay etc.
2. The TPV Consultants will perform compaction tests on shoulders on both sides of main carriageway as part and parcel of main carriageway testing with the same cost.

6.1. FREQUENCY OF ROAD TESTS

Road tests will be performed with the following frequencies depending on the length of roads (Annexure - A) as mentioned in Table 3.

Table 3: Frequency of tests to be conducted on selected roads

Sr. No	Road Length	No. of sets per Road	No. of Roads	Total No. of Tests
1	0-7.5 km	3 Sets	115	3105
2	0-10 km	4 Sets	25	875
3	0-15 km	5 Sets	12	516
4	>15	7 Sets	2	118
Total			154	4614

X-Section to conduct No. of Tests per road is attached

Road Tests will not be repeated on any layer in case of failure of test and the same result will be communicated to the Client and C & W Department for necessary action. Unless otherwise instructed by the Client.

7. **CORE TEAM OF EXPERTS REQUIRED**

For each package Consultant team for TPV will be composed of staff as categorized below in Table 4 & 5

Table 4: Detail of human resource required by TPV Consultants

Category: I (For Road Length < 100 Km)

Sr. No.	Position	Qualification	Experience	No.	Manpower (Months)
1	Team Leader	MSc (Geo tech Engineering)/ B.Sc. in Civil / highway Engineering	10 years of relevant experience in the field of Roads / Highways with PEC registration	1	5
2	Material Engineer	MSc/B.Sc. in Civil Engineering or in Geology Or Geological	8 years of relevant experience in the field of Road Testing / Highways	1	5
3	Junior Civil Engineer	MSc/B.Sc.in Civil Engineering	5 years of relevant experience in the field of Roads / Highways with PEC	1	5
4	Quantity Surveyor / Lab Technician	DAE in Civil Technology/ Diploma or certificate in Lab Technician	5 years of relevant experience in the field of Roads Testing / Highways	2	5
5	Project Coordinator	Graduation	3 year experience, to be stationed at DGM&E at the disposal of Consultant	1	5
Total				06	

Table 5: Detail of human resource required by TPV Consultants

Category: II (For Road Length > 100 Km)

Sr. No	Position	Qualification	Experience	No.	Manpower (Months)
1	Team Leader	MSc (Geo tech Engineering)/ B.Sc. in Civil / highway Engineering	10 years of relevant experience in the field of Roads / Highways with PEC registration	1	5
2	Material Engineer	MSc/B.Sc. in Civil Engineering or in Geology Or Geological Engineering	8 years of relevant experience in the field of Road Testing / Highways	1	5
3	Junior Civil Engineer	MSc/B.Sc.in Civil Engineering	5 years of relevant experience in the field of Roads / Highways with PEC	1	5
4	Quantity Surveyor / Lab Technician	DAE in Civil Technology/ Diploma or certificate in Lab Technician	5 years of relevant experience in the field of Roads Testing / Highways	3	5
5	Project Coordinator	Graduation	3 year experience, to be stationed at DGM&E at the disposal of Consultant	1	5
Total				07	

TIME DURATION

Job will be completed within five Months after signing the agreement.

8. LAB TESTING SOLUTIONS

- i. The selected TPV Consultants will own/arrange requisite testing facility recognized by the Government of Punjab or at par with international standards to conduct designated number of tests as per mentioned specification within described timelines.
- ii. The Consultant will upload on the web, the road ID along with the date and time on which sample for test will be collected.
- iii. The Consultant will be responsible to upload the test results within four (4) days of taking sample.
- iv. The Consultant will also be responsible to own the test result/quality

of test at any forum including Chief Minister Secretariat.

- v. The Consultant will ensure to complete all the road tests before final completion of respective road.

9. INDIRECT COST

Reasonable indirect costs such as one residence cum office for their appointed staff, one vehicle for site visits (Vehicle may be on rental basis along with provision of petrol, driver and maintenance charges (if any)), expenditure such as Office Equipment (Computer Hardware & Software), Printing, Publication & Communication, and other misc. (Labor work i.e., office boy, data entry operator, etc.), based on input months, will be charged by the Consultant as per agreed terms and conditions.

10. COST OF TESTING

Cost of testing of various quality test to be performed by selected Consultant in light of section 6, will be determined by multiplying the rate of each test proposed by the Consultant multiplied with the total number of tests.

11. FINANCIAL PROPOSAL OF CONSULTANT

The Consultant will submit single financial proposal of the job against TOR inclusive of direct and indirect costs inclusive of all applicable govt. taxes.

Proposal should also include all related cost to the human resource, travelling and accommodation, boarding and lodging, local communication, drafting, printing and reporting, labor work and testing cost. Lab / Field Testing cost will be determined by the consultant in accordance with the actual test performed.

If extra test are to be conducted by the TPV Consultant on the directions of the client, the cost of such test will be reimbursed accordingly on the given rate of the TPV Consultants.

12. MODE AND TERMS OF PAYMENT

Consultant will submit their monthly invoices inclusive direct & indirect expenditure before 10th of each month and accordingly they will be paid through AG Office on monthly basis.

Payment will be made to the TPV Consultants after deducting all the applicable taxes levied at the time of payment.

13. PROFESSIONAL LIABILITY OF THE TPV CONSULTANTS

Professional Liability of the TPV Consultants shall be observed under the provisions of Punjab Procurement Rules-2014.

Financial Capacity (from Page-17)

Sr.	Description	Marks Detail
a).	If Annual turnover equal to 50 Million	5 Marks
b).	If Annual turnover > 50 Million	10 Marks

Roads / Lab Testing cost for TPV of Mianwali Package**A-I**

Sr.No	Items of Work	Cost in Rs.	Tax 16%	Total Cost (Rs.)
1	Field and Lab testing cost (Road + Other Testing)	*Value from sheet A-II & A-III		
Total				-

Concrete, Bricks and Roads furniture tests**A--II**

Sr.no	Item of Work	Lab Tests	Rate	No.of Tests	Cost in Rs
1	Concrete Works	Compressive Strength of Concrete Cubes.		Tentative	
2	Bricks	Compressive Test		Tentative	
		Water absorption test		Tentative	
3	Road Furniture	relevant tests		Tentative	
Total			*		

Detail of Cost of Lab/ Field Sets for Road Test**A-III**

Sr.No	Road Length	No of Sets	No. of Tests per Road	No. of Roads	Total no of Tests	Cost of sets
1	0-7.5 km	3 set of tests on different layers				** data from sheet A-IV (Cost of 1set)
2	0-10 km	4 set of tests on different layers				-do-
3	0-15 km	5 set of tests on different layers				-do-
4	>15	7 set of test on different layers				-do-

Rate of tests and sets to be conducted by consultant**A-IV**

Sr. No	Item of Work	Lab Tests	Rate	1 Set	2 Sets	3 Sets	4 sets	5 Sets	7 Sets
1	Sub grade	Max Modified Dry Density for compaction (AASHTO)							
		Soil Classification							
		California Bearing Ratio (CBR)*							
2	Sub Base	Max Modified Dry Density for compaction (AASHTO)							
		Gradation Analysis							
		California Bearing Ratio (CBR)*							
3	Base Course	Max Modified Dry Density for compaction (AASHTO)							
		Gradation Analysis							
		California Bearing Ratio (CBR)*							
4	Asphalt	Extraction Tests							
		Thickness and Compaction							
TOTAL COST				**					

List of Roads for RAP-II

SR. NO.	NAME OF SCHEMES	LENGTH APPROVED BY DDSC	COST APPROVED BY DDSC
DISTRICT RAWALPINDI			
1	REHABILITATION/ WIDENING AND IMPROVEMENT OF KHALOOL TO SAWERI ROAD, TEHSIL KAHUTA	5	119.001
2	REHABILITATION/ IMPROVEMENT OF LINK ROAD FROM GHAZI KOHALI – JALALA, BANIE, THATHA KHALIL ROAD, TEHSIL TAXILA	5	97.806
3	REHABILITATION/ WIDENING AND IMPROVEMENT OF ROAD FROM RATYAL TO BHAIR KALYAL, TEHSIL GUJAR KHAN	5.3	102.21
TOTAL DISTRICT RAWALPINDI (03 SCHEMES)		15.30	319.017
DISTRICT ATTOCK			
4	REHABILITATION/ IMPROVEMENT OF ROAD FROM (CHOI BUNGALOW) 9 MILE TO DHERI KOT VIA MUNGIWALI	7.75	77.846
5	REHABILITATION/ IMPROVEMENT OF KHUNDA-PINDIGHEB ROAD FROM KHUNDA (JANAZAHGAG) TO NATHIAL, TEHSIL PINDIGHEB	7.25	83.397
6	REHABILITATION/ IMPROVEMENT OF ROAD FROM KANI TO DHOKE SAEED, TEHSIL JAND	5.2	67.571
TOTAL DISTRICT ATTOCK (03 SCHEMES)		20.20	228.814
DISTRICT JHELUM			
7	REHABILITATION/ IMPROVEMENT OF ROAD FROM CHAK DOULAT TO CHAK JAMAL	6	74.359
8	REHABILITATION/ IMPROVEMENT OF ROAD FROM CHANDAR TO MUGHALABAD, TEHSIL SOHAWA	6	77.355
TOTAL DISTRICT JHELUM (02 SCHEMES)		12	151.714
DISTRICT CHAKWAL			

9	CONSTRUCTION/ REHABILITATION/ WIDENING/ IMPROVEMENT OF ROAD FROM PHULARI ADDA TO BHAGTAL	8	110.5
10	REHABILITATION/ WIDENING/ IMPROVEMENT OF ROAD FROM FAREED KASAR CHOWK TO MINWAL	6	98.6
11	REHABILITATION/ WIDENING/ IMPROVEMENT OF ROAD FROM CHAWALI TO MOOLWAL INCLUDING LINK BHAGWAL	6	89.4
TOTAL DISTRICT CHAKWAL (03 SCHEMES)		20.0	298.500
TOTAL CIVIL DIVISION RAWALPINDI (11 SCHEMES)		67.50	998.045
DISTRICT SARGODHA			
12	REHABILITATION OF ROAD FROM CHAK NO. 27/NB TO MARI - AJNALA ROAD VIA CHAK NO. 28/NB	5.11	72.341
13	REHABILITATION OF ROAD FROM BHALWAL - AJNALA ROAD TO CHAK NO. 35/NB	5	61.518
14	REHABILITATION OF ROAD FROM 10 MILE 29 JHAL ROAD AT MORR CHAK 89/SB PUL SAIM TO KANDIWAL ROAD AT PUL MALIKAN VIA CHAK NO 92/SB AND CHAK NO. 95/SB	7.35	71.497
15	REHABILITATION OF ROAD FROM LALIAN RAJBAH TO 29-JHAL 46/SB ROAD VIA CHAK 42/SB AND 37/SB	5.65	58.844
16	REHABILITATION/ CONSTRUCTION OF ROAD FROM SHAHPUR SAHIWAL ROAD (ADDA MOCHIWAL) TO THATHI LAMBI UPTO SULKI DRAIN	5	88.193
17	REHABILITATION/ CONSTRUCTION OF ROAD FROM FAROOQA TO NOOREWALA (PHASE-II, KM NO. 5.00 TO 10.00)	5	56.398
18	REHABILITATION/ CONSTRUCTION OF ROAD FROM SHAHPUR SAHIWAL ROAD TO MOCHIWAL THATHI LAMBI ROAD PUL SHAHANI ALONG GONDAL MINOR GONDAL CITY INCLUDING LINK GIRLS MIDDLE SCHOOL MOCHIWAL TO SHAHPUR SAHIWAL ROAD	7.35	85.631

19	REHABILITATION/ CONSTRUCTION OF ROAD FROM SHAHPUR SAHIWAL ROAD TO SHAHPUR CITY BUNGALOW HUSSAIN SHAH ROAD VIA SHAH YOUSAF AND MANGOWAL KALAN	5.5	72.714
20	CONSTRUCTION/ REHABILITATION OF ROAD FROM PUL SULKI BRANCH DHERAMA TO STOP CHAK NO. 75/NB VIA CHAK NO. 69/NB INCLUDING LINK DHERAMA GRAVEYARD	7.1	83.723
TOTAL DISTRICT SARGODHA (09 SCHEMES)		53.06	650.859
DISTRICT KHUSHAB			
21	WIDENING/ RECONSTRUCTION OF ROAD FROM NOUSHERA TO SHAKAR KOT VIA SIRHAL	6	71.699
22	WIDENING/ RECONSTRUCTION OF ROAD FROM UTTRA QAIDABAD TO OKHLI MOHLA INCLUDING 2 LINKS	11.25	116.944
23	WIDENING/ RECONSTRUCTION OF ROAD FROM NALI TO KATHA SAGHRAL VIA MALWAL	6	63.453
24	WIDENING/ RECONSTRUCTION OF ROAD FROM BADLIWALA TO CHAK NO. 59/MB AND LINK CHAK 60/MB	6	62.142
25	WIDENING/ RECONSTRUCTION OF ROAD FROM MUZAFARGARH ROAD TO HASANPUR TIWANA	6	57.792
TOTAL DISTRICT KHUSHAB (05 SCHEMES)		35.25	372.030
DISTRICT MIANWALI			
26	RECONSTRUCTION/ WIDENING/ IMPROVEMENT OF ROAD FROM TRUG SULTAN KHEL ROAD TO MITHA KHATAK VIA MIANAWALA, TEHSIL ISA KHEL	11	132.629
27	WIDENING/ IMPROVEMENT/ RECONSTRUCTION/ CONSTRUCTION OF ROAD FROM DAUD KHEL PUL TO HUMAO KHELANWALA	7.25	125.209

28	WIDENING/ IMPROVEMENT/ RECONSTRUCTION OF ROAD NANGNI FROM KANJOONWALA JANUBI TO SOHRABWALA CHIDDRU ROAD (KM NO. 9.15 TO 14.30)	5.15	51.71
29	WIDENING/ IMPROVEMENT/ RECONSTRUCTION/ CONSTRUCTION OF ROAD FROM PUL MUZAFFARPUR TO BAHU COTTON VIA MUZAFFARPUR CITY (EXCLUDING BRIDGE)	6.25	72.038
30	WIDENING/ IMPROVEMENT/ RECONSTRUCTION/ CONSTRUCTION OF ROAD FROM PIPLAN KALLURKOT ROAD TO WAWANWALA VIA TARIQABAD	9.5	128.013
TOTAL DISTRICT MIANWALI (05 SCHEMES)		39.15	509.599
DISTRICT BHAKKAR			
31	REHABILITATION/ IMPROVEMENT OF METALLED ROAD FROM KALLURKOT HAITU ROAD AT FAREEDA GARDEN TO SAIDWALA, TEHSIL KALLURKOT	12	130.972
32	REHABILITATION/ IMPROVEMENT/ CONSTRUCTION OF METALLED ROAD FROM FACTO MORR TO BASTI MUHAMMAD BAKSH MOZA LAK KALAN INCLUDING LINK ABADI SIAL, TEHSIL DARYA KHAN	6.06	63.971
33	REHABILITATION/ IMPROVEMENT OF METALLED ROAD FROM PUNJ-GIRAIN TO JHOK MAHER SHAH INCLUDING LINK JHOK QALANDAR BAKSH	5.92	70.398
34	REHABILITATION/ IMPROVEMENT/ CONSTRUCTION OF METALLED ROAD FROM QADOWALI MORR TO SIAL CHOWK INCLUDING LINK KANARI MORR TO KHICHI KHURD, LINK KANARI CITY TO DAJAL ROAD, LINK WHADAYWALY TO BASTI KHANDANWALI, LINK KANARI TO BASTI GARAH SHAROO KHAN	12.05	132.284
35	REHABILITATION/ WIDENING/ IMPROVEMENT OF METALLED ROAD FROM HAIDERABAD TO MAHNI	26.65	272.204

TOTAL DISTRICT	BHAKKAR (05 SCHEMES)	62.68	669.829
TOTAL CIVIL DIVISION SARGODHA (24 SCHEMES)		190.140	2202.317
DISTRICT GUJRANWALA			
NO SCHEME		--	--
DISTRICT SIALKOT			
NO SCHEME		--	--
DISTRICT GUJRAT			
36	REHABILITATION/ RECONSTRUCTION OF ROAD FROM BHOJPUR TO HAZARA MUGHLAN VIA MAJRA, MAHAY AND HARAR	6.8	91.062
37	REHABILITATION /RECONSTRUCTION /CONSTRUCTION OF ROAD FROM NOORA MANDIALA ROAD (LADHA SADHA) TO JALALPUR JATTAN ROAD (MAHROOF) VIA BHAGOWAL KHURD	6	88.15
38	REHABILITATION/ RECONSTRUCTION/ CONSTRUCTION OF ROAD FROM MIANA CHAK ROAD TO BISMILLAH BEGA ROAD VIA BAHARWALI INCLUDING LINKS BAGHANWALA AND BAHARWAL	5	88.604
39	CONSTRUCTION/ REHABILITATION OF ROAD FROM POULA TO UMER CHAK INCLUDING LINK CHAKORI KHURD UPTO LALA MUSA - DINGA ROAD	5.25	74.2
TOTAL DISTRICT		23.05	342.016
DISTRICT MANDI BAHA-UD-DIN			
40	REHABILITATION/ CONSTRUCTION OF ROAD FROM AJJOWAL TO SHUMARI CHIWIND ROAD INCLUDING LINK AJJOWAL SHUMARI ROAD TO CHAK NO. 15, TEHSIL MALAKWA	7.3	97.64

41	WIDENING/ REHABILITATION/ RECONSTRUCTION OF ROAD FROM QADARABAD (EID GHAAH) TO FARAKHPUR INCLUDING LINK THATTI SHAH MUHAMMAD, TEHSIL PHALIA	6.9	98.862
42	REHABILITATION/ CONSTRUCTION OF ROAD FROM RAJOYA TO PAHRIANWALI ROAD VIA SAINTHAL AND SAIDA SAGHAR, TEHSIL PHALIA	7.7	96.87
TOTAL DISTRICT MB DIN (03 SCHEMES)		21.9	293.372
DISTRICT HAFIZABAD			
43	RECONSTRUCTION/ WIDENING OF ROAD FROM SHAMIR VILLAGE TO MELOANA MORR VIA DINGA, GHANOKE	6.9	92.535
44	RECONSTRUCTION/ WIDENING/ REHABILITATION OF ROAD FROM RAMKE CHATTHA TO VANIKE TARRAR VIA KOT BAKHTAWAR	7.2	81.647
45	RECONSTRUCTION/ WIDENING OF ROAD FROM TIBBA SHAH BEHLOL - BERANWALA ROAD TO PINDI BHATTIAN BERANWALA ROAD VIA JHOTIANWALA, PUKKAY AND MALILIAN	5.6	69.292
46	RECONSTRUCTION / WIDENING OF ROAD FROM SUKHEKE RAKH CANAL BRIDGE TO JANDRAKA VIA MOCHIWALA	7.2	88.888
TOTAL DISTRICT HAFIZABAD (04 SCHEMES)		26.9	332.362
DISTRICT NAROWAL			
47	REHABILITATION/ WIDENING OF ROAD FROM SHARIF CHOWK TO MAYADIAN CHOWK VIA SHAHPUR	5.25	67.436
48	REHABILITATION/ WIDENING OF ROAD FROM GHAMROLA TO LESSAR KALAN INCLUDING LINKS	6.55	91.238
49	REHABILITATION/ CONSTRUCTION/ WIDENING OF ROAD FROM RAIBA MORR TO JAMWAL VIA TAJPURA, BASRA JALLA AND PUNJGRAIN	5.1	72.64

TOTAL DISTRICT NAROWAL (03 SCHEMES)		16.9	231.314
TOTAL CIVIL DIVISION GUJRANWALA (14 SCHEMES)		88.75	1199.064
TOTAL NORTH ZONE (49 SCHEMES)		346.39	4399.426
DISTRICT LAHORE			
50	REHABILITATION/ CONSTRUCTION OF ROAD FROM HALLOKI TO VILLAGE WARRAICH TO VILLAGE SIDHAR TO KACHA VILLAGE	6.9	158.05
TOTAL DISTRICT LAHORE (01 SCHEME)		6.9	158.050
DISTRICT KASUR			
51	REHABILITATION/ CONSTRUCTION OF ROAD FROM LAHORE MULTAN ROAD (N-5) AT PHOOL NAGAR BYPASS TO KRK ROAD VIA BEHRAMKEY AND SHERPUR INCLUDING LINKS	7.85	108.852
52	REHABILITATION/ CONSTRUCTION OF ROAD FROM KOT NOOR MUHAMMAD TO KOT BASHISHER SINGH VIA MOAKLANWALA, ATTARI BHOP SINGH AND WAN JATTALA	6.1	93.9
53	IMPROVEMENT/ CONSTRUCTION OF ROAD FROM PUL MIREWALA TO SHABBAR VIA MANURIAN	6	94.321
54	REHABILITATION/ CONSTRUCTION OF ROAD FROM NIZAMPUR CHAK NO. 02 TO CHUNIAN PATTOKI ROAD INCLUDING LINK JAGGOWALA CHAK NO. 04	6	89.835
55	REHABILITATION/ CONSTRUCTION OF ROAD FROM HALLA MEGA ROAD (KM NO. 2 FROM HALLA) TO BONGI LALU VIA BUGGI, ALPA KALAN AND ALPA SUDHARIKEY	13	185.619
56	REHABILITATION OF PATTOKI SHAMSABAD ROAD FROM PATTOKI CHUNIA ROAD TO KIRANIWALA VIA CHAK NO. 3 BAHI KOT AND VIRAM	7	105.088

57	RECONSTRUCTION OF ROAD FROM CHANGA MANGA AT REHMANPURA TO BS LINK CANAL VIA AHLUWAL AND CHAKKOKE, INCLUDING LINK TO KOT NANKA SINGH	8.45	133.362
TOTAL DISTRICT KASUR (07 SCHEMES)		54.40	810.977
DISTRICT SHEIKHUPURA			
58	REHABILITATION OF METALLED ROAD FROM AJNIAWALA TO VILLAGE TAKHA	8.8	103.17
59	REHABILITATION/ CONSTRUCTION OF ROAD FROM BURJ ATARI-MARH ROAD KM NO. 06 TO NARANJANI ROAD VIA CHAK NO. 23/UCC SHUMALI RAJPUTANWALA, TEHSIL SHARQPUR	5.3	54.633
60	REHABILITATION/ CONSTRUCTION OF EASTERN BYPASS MURIDKE CITY FROM GT ROAD NOOR MARKET DAUKE TO KORIANWAL KHO VIA CHUNGI NO. 09 OLD NARANG ROAD AND SARAJ TOWN, TEHSIL MURIDKE	5	85.454
TOTAL DISTRICT SHEIKHUPURA (03 SCHEMES)		19.1	243.257
DISTRICT NANKANA SAHIB			
61	CONSTRUCTION/ IMPROVEMENT OF METALLED ROAD FROM MANGTANWALA ROAD TO KOT DEWAN SINGH VIA BURJ ASHRAFABAD, MANGTANWALA VILLAGE AND THATHI GHULAM HUSSAIN INCLUDING LINK UPTO THATHA LAHNA DASS VIA DHODHY	10.6	182.403
62	RECONSTRUCTION/ REHABILITATION OF ROAD FROM NANKANA SHAHKOT ROAD KAMALPUR CHOKI TO CHAK NO. 13/GB VIA KAMALPUR CHAK NO. 183, TEHSIL SHAH KOT	6	93.12
TOTAL DISTRICT NANKANA SAHIB (02 SCHEMES)		16.6	275.523
TOTAL CIVIL DIVISION LAHORE (13 SCHEMES)		97.000	1487.807
DISTRICT SAHIWAL			

63	REHABILITATION/ WIDENING OF ROAD FROM CHICHAWATNI BYPASS (1122) TO 94/12-L (PHASE-II) FROM PUL 113/12-L TO 94/12-L	7.6	106.963
64	REHABILITATION/ WIDENING OF ROAD FROM KAKHANWALI ROAD TO BASTI SANPAL, CHICHAWATNI	5.5	84.008
65	REHABILITATION/ WIDENING/ CONSTRUCTION OF ROAD FROM 11 RAILWAY PHATAK (MAMDOT FARM) TO 16/14-L	5	73.918
66	REHABILITATION/ WIDENING OF ROAD FROM 66-MORR TO 67/12-L VIA 66/12-L	5.25	80.159
TOTAL DISTRICT SAHIWAL (04 SCHEMES)		23.35	345.048
DISTRICT PAKPATTAN			
67	REHABILITATION/ WIDENING AND CONSTRUCTION OF METALLED ROAD FROM TRIKHNI ROAD ADDA 66/EB TO CHAK 86/EB AND 88/EB INCLUDING LINK CHAK 68/EB	10.4	138.308
68	REHABILITATION/ WIDENING OF METALLED ROAD FROM 22/SP (NAWAZ CHOWK) TO 4/SP VIA 6/SP	9.5	129
69	REHABILITATION/ WIDENING OF OBAIDULLAH SHAH ROAD FROM PUL JALIB TO JALLAH CHOWK	11	139.984
TOTAL DISTRICT PAKPATTAN (03 SCHEMES)		30.9	407.292
DISTRICT OKARA			
70	REHABILITATION/ WIDENING/ IMPROVEMENT OF ROAD FROM ADDA KISSAN CHAK NO. 25/2-L TO RENALA SHERGARH ROAD AT PUL 2/1-L VIA CHAK NO. 24/2-L, 23/2-L, 15/1-L, 16/1-L AND 18/1-L	11	160.879
71	REHABILITATION/ WIDENING/ IMPROVEMENT (CONSTRUCTION) OF ROAD FROM SHERGARH-HUJRA ROAD AT PUL CHAK 18/D TO ASHIQABAD FARM VIA LAL KOT, KALIA IBRAHIM, THATHA KAMBOH AND LINK TO SAHNIWAL	10	139.096
TOTAL DISTRICT OKARA (02 SCHEMES)		21	299.975

TOTAL CIVIL DIVISION SAHIWAL (09 SCHEMES)		75.25	1052.315
DISTRICT FAISALABAD			
72	RECONSTRUCTION/ CONSTRUCTION/ REHABILITATION OF ROAD FROM SHAHKOT JHUMRA ROAD ADDA CHAK NO. 156/RB DERH TO CHAK NO. 165/RB VIA CHAK NO. 156/RB DIAL GARH	5.4	53.82
73	RECONSTRUCTION OF ROAD FROM KHURRIANWALA – JHUMRA ROAD AT BISMILLA MILL TO CHAK NO. 193/RB HIGHWAY EXPRESSWAY VIA CHAK NO. 266/RB SABUANA	5.37	61.484
74	RECONSTRUCTION OF ROAD FROM JARANWALA – NANKANA ROAD AT ADDA NOOR SHAH TO MANDI BUCHIANA JARANWALA – NANKANA ROAD VIA CHAK NO. 591/GB GANGAPUR	5.67	62.438
75	RECONSTRUCTION OF ROAD FROM CHAK NO. 235/GB TO 124/GB RODI VIA CHAK NO. 234/GB LINK CHAK NO. 233/GB	5	56.119
76	WIDENING/ IMPROVEMENT/ REHABILITATION OF ROAD FROM CHAK NO. 258/RB LAMAN PIND TO CHAK NO. 248/RB BISMILLAHPUR VIA CHAK NO. 255/RB NAWAN PIND	7.04	61.519
TOTAL DISTRICT FAISALABAD (05 SCHEMES)		28.48	295.380
DISTRICT JHANG			
77	REHABILITATION/ CONSTRUCTION OF ROAD FROM CHUND KHAN DA KOT ROAD KM 9 TO ABADI	6	75.31
78	WIDENING/ IMPROVEMENT AND CONSTRUCTION OF ROAD FROM SULTAN LASHARI TO REHMATABAD VIA UCH GUL IMAM	7.85	77.853
79	WIDENING/ IMPROVEMENT AND REHABILITATION OF ROAD FROM MEERANYAWALA TO KATCHA AHMADPUR ROAD VIA PUL GAGAN	5.75	75.234

80	WIDENING/ IMPROVEMENT AND REHABILITATION OF ROAD FROM ADDA KHOI TO CHAK NO. 448 VIA CHAK NO. 446 AND CHAK NO. 447	8.2	84.401
81	WIDENING/ IMPROVEMENT AND REHABILITATION OF ROAD FROM BAGH TO PUL ASHABA BUNGALOW INCLUDING LINK ROAD TO ABADI GUTTANWALA	8.15	75.314
82	WIDENING/ IMPROVEMENT AND REHABILITATION OF ROAD FROM AHMEDPUR SIAL MORR CHANAB COLLEGE TO LINK ABADI BUNGALOW YASMIN	6.2	75.274
TOTAL DISTRICT JHANG (06 SCHEMES)		42.15	463.386
DISTRICT CHINIOT			
83	REHABILITATION OF ROAD FROM CHENABNAGAR TO MADAD ALI CHOWK, TEHSIL LALIAN	8.3	83.744
84	REHABILITATION OF ROAD FROM CHUNGI NO. 3 CHENABNAGAR TO ADDA RIAZABAD INCLUDING LINKS THATTI KHUDA YAR AND BANWARAY, TEHSIL LALIAN	17.92	148.664
85	REHABILITATION OF ROAD FROM CHAK NO. 199/JB REHMOANA TO JHANG BRANCH CANAL VIA CHAK NO. 200/JB NASRANA, TEHSIL BHOWANA	5.15	73.24
86	REHABILITATION OF ROAD FROM GAGH CHOWK TO CHAK NO. 205/JB VIA CHAK NO. 210/JB, TEHSIL BHOWANA	7.21	97.859
87	REHABILITATION OF ROAD STARTING FROM DISTRICT BOUNDARY CHINIOT AT BARANA TO JAISAL BHATTIAN, TEHSIL LALIAN	5	51.816
TOTAL DISTRICT CHINIOT (05 SCHEMES)		43.58	455.323
DISTRICT TOBA TEK SINGH			
88	IMPROVEMENT/ REHABILITATION OF ROAD FROM GOJRA - JHANG ROAD AT SADIQ MORR TO CHAK NO. 435/JB VIA CHAK NO. 431/JB, TEHSIL GOJRA	6.4	59.66

89	REHABILITATION/ RECONSTRUCTION/ WIDENING OF ROAD FROM GOJRA – TOBA ROAD TO CHAK NO. 319/JB VIA CHAK NO. 320/JB	5.3	59.921
90	REHABILITATION/ RECONSTRUCTION/ WIDENING OF ROAD FROM CHAK NO. 709/GB BRIDGE TO RAVI KHOKHAR BRIDGE, TEHSIL KAMALIA	5	62.374
91	REHABILITATION/ RECONSTRUCTION/ WIDENING OF ROAD FROM IQBAL CHOWK TO LAGHARI CHOWK, TEHSIL PIRMAHAL	5	62.776
TOTAL DISTRICT TT SINGH (04 SCHEMES)		21.7	244.731
TOTAL CIVIL DIVISION FAISALABAD (20 SCHEMES)		135.910	1458.820
TOTAL CENTRAL ZONE (42 SCHEMES)		308.160	3998.942
DISTRICT MULTAN			
92	REHABILITATION/ WIDENING/ CONSTRUCTION OF METALLED ROAD FROM FATHUWALPUR MORR ROAD TO ALIWALA CHOWK, MUZAFFARABAD ROAD VIA BASTI FATHUWALPUR	5.5	79.823
93	REHABILITATION/ WIDENING/ CONSTRUCTION OF METALLED ROAD FROM RIAZABAD STATION TO PEERWALA PUL VIA BHU LOOTHAR, SHAHEEDABAD AND PUL AT RASHIDA	6.8	96.611
94	REHABILITATION/ WIDENING/ CONSTRUCTION OF METALLED ROAD FROM BHU SHAH QASBA MARAL ROAD VIA UMAR ALIWALA JAMPUR MINOR TO QADIRWALA MOUZA KABIRPUR	6.34	96.205
95	REHABILITATION/ WIDENING/ CONSTRUCTION OF METALLED ROAD FROM BOMB MORR TO SARAkwala	7	99.671
TOTAL DISTRICT MULTAN (04 SCHEMES)		25.64	372.310
DISTRICT KHANEWAL			

96	WIDENING/ REHABILITATION AND CONSTRUCTION OF METALLED ROAD FROM SARAI SIDHU MATITAL ROAD TO MOUZA SAKAROOWALA VIA ABBASPUR AND MANZARABAD	6	80.1
97	WIDENING/ REHABILITATION/ IMPROVEMENT OF METALLED ROAD FROM PUL BHUTTA KOT TO PUL THOKAR CHAWAN, TEHSIL KABIRWALA	5	70.6
98	WIDENING/ REHABILITATION OF METALLED ROAD FROM 10-FT TO 12-FT FROM BAROON PUL TO BATI CHOWK VIA CHAK NO. 15/9-R SAHUWALA, 14/9-R BATIANWALA	6	80.177
99	WIDENING/ REHABILITATION OF METALLED ROAD 10-FT TO 12-FT FROM CHAK NO. 15/8-BR TO CHAK NO. 19/8-BR VIA CHAK NO. 17/8-BR	6.2	85.941
100	WIDENING/ REHABILITATION/ CONSTRUCTION OF METALLED ROAD FROM N-5 AT NANAKPUR MINOR TO RANJHEWALA VIA MUSHTAQ COLONY AND AZIZABAD INCLUDING LINK TO GHAFOOR KHAN ROAD	6	85.829
101	WIDENING/ REHABILITATION OF METALLED ROAD 10-FT TO 12-FT FROM WATOO JHAL TO 30-WALI CHOWK	6	74.096
TOTAL DISTRICT KHANEWAL (06 SCHEMES)		35.2	476.743
DISTRICT VEHARI			
102	CONSTRUCTION OF CARPETED ROAD FROM CHAK NO. 537/EB (37 PHATTAK ADDA) TO 481/EB VIA 479/EB	10.1	151.574
103	WIDENING/ REHABILITATION OF METALLED ROAD FROM SAINCHANWALA – 194/EB ROAD TO CHAK NO. 20/WB VIA 198/EB	9.5	134.546
104	WIDENING/ REHABILITATION OF METALLED ROAD FROM PUL JHANDIR TO MAILSI KEHROR PACCA ROAD VIA BASTI MEERANPUR, BASHKANWALA, NORABBA AND DHORRYWALA	7.2	116.865

105	CONSTRUCTION OF ROAD FROM MAILSI KEHROR PACCA ROAD TO ALI WAH VIA NAGANA	5.2	79.896
106	WIDENING/ REHABILITATION OF METALLED ROAD FROM MAILSI – KEHROR PACCA ROAD ADDA MEHFOOZABAD TO MIANWALA	5	76.492
TOTAL DISTRICT VEHARI (05 SCHEMES)		37	559.373
DISTRICT LODHRAN			
107	CARPETING/ WIDENING/ REHABILITATION OF METALLED ROAD 10' TO 12' FROM JALALPUR PEERWALA ROAD PACCA MUNNA VIA BASTI SAIFAL KHAN TO PUL BUGRAIN	6.5	99.1
108	CARPETING/ WIDENING/ REHABILITATION OF METALLED ROAD 10' TO 12' FROM ADDA SIKANDARI (AMINA SCHOOL) VIA MUJAHIDABAD STATION, CHAK 49/M TO MOUZA SIKANDARPUR MORR	5	73.2
109	CARPETING/ WIDENING/ REHABILITATION/ CONSTRUCTION OF ROAD 10' TO 12' FROM CHAK NO. 344/WB TO PUL CHAK NO. 341/WB BASTI BALOCHANWALI VIA PUL CHAK NO. 343/WB, TEHSIL DUNYAPUR	7	108.249
110	CONSTRUCTION OF CARPET ROAD 12' WIDE FROM CHAK NO. 43/M TO CHAK NO. 34/M INCLUDING LINK CHAK NO. 42/M (MISSING LINK), TEHSIL DUNYAPUR	5.5	92.155
TOTAL DISTRICT LODHRAN (04 SCHEMES)		24	372.704
TOTAL CIVIL DIVISION MULTAN (19 SCHEMES)		121.840	1781.130
DISTRICT BAHAWALPUR			
111	REHABILITATION OF METALLED ROAD FROM CHUNNAWALA TO CHAK NO. 198/M, TEHSIL HASILPUR	5	69.653
112	REHABILITATION OF METALLED ROAD FROM KAINCHI MORR TO RD-80 VIA CHAK NO. 145/DB, 146/DB, 147/DB AND 148/DB, TEHSIL YAZMAN	6.9	92.211

113	REHABILITATION OF METALLED ROAD FROM HEAD RAJKAN TO CHAK NO. 2/DNB COLONY, TEHSIL YAZMAN	6.9	99.786
114	REHABILITATION/ CONSTRUCTION OF METALLED ROAD FROM BASTI LARWALI TO BASTI DERA IZZAT VIA PUL BALOUCHAN, BASTI RAHIMABAD, BASTI KARIMABAD	5	80.147
115	CONSTRUCTION/ REHABILITATION OF METALLED ROAD FROM DERA NAWAB SAHIB TO KHAMISA PAKHIWAR, TEHSIL AHMEDPUR (EAST)	9.4	133.985
116	CONSTRUCTION OF METALLED ROAD FROM MANIK NOSHEHRA TO KOTLA SHAIKHAN, TESHIL AHMEDPUR (EAST)	5	81.648
117	REHABILITATION OF METALLED ROAD FROM LALO BRIDGE (KLP) TO BUNGALOW MASTOI BHULA JHULAN ROAD, TEHSIL AHMEDPUR (EAST)	5.32	52.496
TOTAL DISTRICT BAHAWALPUR (07 SCHEMES)		43.52	609.926
DISTRICT BAHAWALNAGAR			
118	CONSTRUCTION OF METALLED ROAD FROM KHOWARYANWALI JHAAL TO BAKKA REHMUKA ROAD VIA CHAK SARWAR DIN INCLUDING LINKS TAWAKAL BODLA TO CHAK AZAM CHEENA, BHENI BAGGUWALI AND BRIDGE CHAK SARWAR DIN TO RASULPUR, TEHSIL MINCHINABAD	10	154.78
119	CONSTRUCTION/ WIDENING AND IMPROVEMENT OF METALLED ROAD FROM CHAK MADRISSA TO CHAK SARKARI AND LINK TO JORANA CHOWK	10	154.735
TOTAL DISTRICT BAHAWALNAGAR (02 SCHEMES)		20	309.515
DISTRICT RAHIM YAR KHAN			
120	REHABILITATION/ WIDENING AND IMPROVEMENT OF METALLED ROAD FROM ABBASNAGAR TO BASTI KHAWAJA MIAN MANZOOR AHMED CHOCHAN VIA MORI GHACHAL	8.2	106.448

121	CONSTRUCTION OF METALLED ROAD FROM SHAHI ROAD KM NO. 103 TO PUL 14 ABBASIA 2/R VIA LABANA PHATAK PUL 22/A ALONGWITH 2/R, GRID STATION, 25/A TO 14/A LIAQATPUR	6.5	106.467
122	REHABILITATION/ WIDENING AND IMPROVEMENT OF METALLED ROAD FROM ADDA NIZAM SHAH TO PUL TURKAN VIA BUNGALOW NAWANKOT	9.34	106.2
123	REHABILITATION/ WIDENING/ IMPROVEMENT OF METALLED ROAD FROM IQBALABAD TOWARDS MORI ABBASAN VIA CHAK ABBAS	10.6	148.693
124	CONSTRUCTION/ REHABILITATION/ WIDENING AND IMPROVEMENT OF METALLED ROAD FROM SHAHI ROAD (SUZUKI SHOWROOM) TOWARDS SAR BHORI ROAD VIA CHAK NO. 99/P, CHAK NO. 100/P	7.15	106.633
125	CONSTRUCTION/ RECONSTRUCTION AND WIDENING OF METALLED ROAD FROM CHAMBI CHOWK THUL HAMZA TO SIDHUWALI ROAD VIA BASTI JAM ARIF ALONGWITH THUL HAMZA MINOR, TEHSIL LIAQATPUR	5.1	72.115
126	REHABILITATION/ WIDENING/ IMPROVEMENT AND CONSTRUCTION OF METALLED ROAD FROM PUL BEHRAM TO HEAD EHSANPUR VIA SHAHPUR INCLUDING PILE FOUNDATION BRIDGE ON SADIQ CANAL AND LINK TO THULL HASSAN	14.8	256.958
TOTAL DISTRICT RY KHAN (07 SCHEMES)		61.69	903.514
TOTAL CIVIL DIVISION BAHAWALPUR (16 SCHEMES)		125.21	1822.955
DISTRICT DERA GHAZI KHAN			
127	WIDENING/ IMPROVEMENT/ CONSTRUCTION OF METALLED ROAD FROM INDUS HIGHWAY (N-55) RETRA TO BASTI BAGRI VIA BASTI DEWRA, BASTI SUMRA, KAZMI CHOWK	6	77.739
128	WIDENING/ IMPROVEMENT/ RECONSTRUCTION OF METALLED ROAD FROM INDUS HIGHWAY TO MAKWAL	5	64.841

129	WIDENING/ IMPROVEMENT/ CONSTRUCTION OF METALLED ROAD FROM INDUS HIGHWAY (N-55) KOT MORR TO PATTAN VIA BASTI LEGHARI AND JARH LEGHARI	6.5	90.112
130	WIDENING/ IMPROVEMENT/ CONSTRUCTION OF METALLED ROAD FROM KOT BUTTA (RAILWAY PHATAK) TO MUNDHAYWALI PULY VIA BASTI SANJRANI, BASTI MALUK GRAVEYARD AND BASTI DAHO	6.5	85.477
131	WIDENING/ IMPROVEMENT OF METALLED ROAD FROM JHOKE YAAR SHAH TO LADAN	7.5	92.716
132	CONSTRUCTION OF METALLED ROAD FROM INDUS HIGHWAY (N-55) NARI JANUBI TO LANGHARWALI VIA DADWALI, SHAHROWALI AND BASTI LESHARI	9.2	128.098
133	WIDENING/ IMPROVEMENT/ RECONSTRUCTION OF METALLED ROAD FROM N-55 ADDA PAIGAN TO KOT CHUTTA DRAHMA ROAD VIA BASTI GUJAR COLONY DADDYWALA AND WAKELANWALA	6	76.967
134	WIDENING/ IMPROVEMENT/ RECONSTRUCTION/ CONSTRUCTION OF METALLED ROAD FROM SHEWANI TO BAIGWALA WITH LINK TO JAITHAYWALA AND KHALILABAD	6	77.672
TOTAL DISTRICT DG KHAN (08 SCHEMES)		52.7	693.622
DISTRICT RAJANPUR			
135	WIDENING/ RECONSTRUCTION/ CONSTRUCTION OF METALLED ROAD FROM JAMPUR DAJAL ROAD MOHIB SHAH TO INDUS HIGHWAY FERTILIZER STORE VIA BASTI TALIB AHMADANI, BHU TATARWALA, BASTI HAJJANA, DAHYWALA, GADDENWALA, U/C ALLAHABAD SHARQI, GHARBI	9.3	113.293
136	WIDENING/ RECONSTRUCTION OF METALLED ROAD FROM ADDA CHARAGH SHAH TO PATWALI VIA GIDDER MAR DAFF, BASTI CHANNER	8	106.668

137	WIDENING/ RECONSTRUCTION OF METALLED ROAD FROM NOORPUR MANJHOOWALA TOWARDS KOTLA RUBAIT N-55 (PHASE-I, KM 0.00 TO KM 5.00 BASTI NAZAR HOORA) ALONG ABBAY-E-HAYAT MINOR, U/C NOOPUR MANJHOOWALA	5	72.664
138	WIDENING/ RECONSTRUCTION/ CONSTRUCTION OF METALLED ROAD FROM NOSHERA SHARQI ROAD SHAH GEE PETROL PUMP TO BASTI DANGAR VIA BASTI BHATTI ETC., U/C NOSHERA SHARQI	5	68.242
139	WIDENING/ RECONSTRUCTION OF METALLED ROAD FROM INDUS HIGHWAY KOTLA NASEER TO RAJANPUR ASNI ROAD VIA BASTI BACHAL, FAQEER BASTI FIAZ KHAN DRESHAK, BASTI SOBDAR KHAN DRESHAK, U/C ASNI, KOTLA NASEER	9	116.48
140	CONSTRUCTION OF METALLED ROAD FROM INDUS HIGHWAY MILE 50 TO BASTI MIANI JATTAN ZAHID ROAD VIA BASTI MUHKUM JATT, BASTI AHMAD NAWAZ KHIRD MAZARI, U/C GADHA NAR	9	133.039
TOTAL DISTRICT RAJANPUR (06 SCHEMES)		45.3	610.386
DISTRICT MUZAFFARGARH			
141	WIDENING/ IMPROVEMENT AND RECONSTRUCTION OF METALLED ROAD FROM BADLA SHAHZAD MUZAFFARGARH MEHMOOD KOT ROAD AT ADDA GHULAM ALIIN	5	63.638
142	CONSTRUCTION/ WIDENING AND IMPROVEMENT OF METALLED ROAD FROM CHOWK NAZEERWALA TO MOCHIWALA VIA BYPASS VIG AND CHOWK NAZEERWALA TO CHAH PEERWALA	5	65.278
143	RECONSTRUCTION/ WIDENING AND IMPROVEMENT OF METALLED ROAD FROM KALLARWALI JALOO SAHOO ROAD TO BASTI ALLAH BAKHSH AND PUL KHARORA TO KHANWALA, TEHSIL JATOI	5	64.676
144	RECONSTRUCTION OF METALLED ROAD FROM MP ROAD TO CHANIGOTH ROAD ALONG CHANDURBHAN NALLAH, TEHSIL ALIPUR	5	64.142

145	WIDENING/ IMPROVEMENT AND RECONSTRUCTION OF METALLED ROAD FROM BASTI SHEIKH TO MAKHDOOM JAFFAR SHAH VIA SEETPUR BYPASS, TEHSIL ALIPUR	5	64.05
146	WIDENING/ IMPROVEMENT AND RECONSTRUCTION OF METALLED ROAD FROM KALOO CHOWK TO BASTI ALLAH WASAYA VIA PUL NISHAN TEHSIL JATOI	5	64.212
147	CONSTRUCTION/ WIDENING AND IMPROVEMENT OF METALLED ROAD FROM DC PUL TO USMAN KORIYA	5	64.292
148	WIDENING/ IMPROVEMENT AND RECONSTRUCTION OF METALLED ROAD FROM NALLAH SAANWAH AT DG KHAN MUZAFFARGARH ROAD TO BARA SAADAT ALONG SAANWAH NALLAH	5	64.235
149	WIDENING/ IMPROVEMENT AND RECONSTRUCTION OF METALLED ROAD FROM 1-R PACCA MINOR AT SINAWAN LANGER SARAI ROAD TO HEAD DADWALA, TEHSIL KOT ADDU	5	64.229
150	WIDENING/ IMPROVEMENT AND RECONSTRUCTION OF METALLED ROAD FROM NORTHERN RAILWAY PHATTAK TO KOT ADDU BYPASS ROAD, TEHSIL KOT ADDU	5	64.453
TOTAL DISTRICT MUZAFFARGARH (10 SCHEMES)		50	643.205
DISTRICT LAYYAH			
151	WIDENING/ IMPROVEMENT AND RECONSTRUCTION OF METALLED ROAD FROM KAROR WARAN SEHRAN ROAD KAROR TO PUL BODU VIA BASTI QURASHI AND LINK TO BASTI KUMHARAN	7.5	97.945
152	WIDENING/ IMPROVEMENT AND RECONSTRUCTION OF METALLED ROAD FROM KAROR LASKANIWALA ROAD KHIARA MORR TO PUL BASEERA VIA LASKANIWALA	7.5	99.084

153	WIDENING/ IMPROVEMENT/ RECONSTRUCTION AND CONSTRUCTION OF METALLED ROAD FROM CHAK NO. 473/TDA TO CHAK NO. 479/TDA VIA CHAK NO. 476/TDA, 450/TDA AND 451/TDA	6.5	98.454
154	WIDENING/ IMPROVEMENT/ RECONSTRUCTION AND CONSTRUCTION OF METALLED ROAD FROM 150/TDA CHOWK TO CHAK NO. 146/TDA VIA CHAK NO. 151/TDA, CHAK NO. 150-A/TDA, KOTLA NARANG SARANG, BASTI MALKANA	7	98.618
TOTAL DISTRICT LAYYAH (04 SCHEMES)		28.5	394.101
TOTAL CIVIL DIVISION DERA GHAZI KHAN (28 SCHEMES)		176.5	2341.314
TOTAL SOUTH ZONE (63 SCHEMES)		423.550	5945.399
GRAND TOTAL (154 SCHEMES)		1078.100	14343.767

**TOTAL NO. OF TESTS TO BE CONDUCTED BY TPV CONSULTANT
RAP PHASE II**

Gujranwala**Package I RAP Phase II**

Sr. No	Road Length	No. of sets per Road	No. of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	13	351
2	7.6-10 km	4 Sets	35	1	35
3	10.1-15 km	5 Sets	43	0	0
4	>15	7 Sets	59	0	0
Total			164	14	386

Lahore**Package II RAP Phase II**

Sr.No	Road Length	No. of sets per Road	No .of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	8	216
2	7.6-10 km	4 Sets	35	3	105
3	10.1-15 km	5 Sets	43	2	86
4	>15	7 Sets	59	0	0
Total			164	13	407

Rawalpindi**Package III RAP Phase II**

Sr.No	Road Length	No. of sets per Road	No. of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	9	243
2	7.6-10 km	4 Sets	35	2	70
3	10.1-15 km	5 Sets	43	0	0
4	>15	7 Sets	59	0	0
Total			164	11	313

Sahiwal**Package IV RAP Phase II**

Sr.No	Road Length	No. of sets per Road	No.of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	3	81
2	7.6-10 km	4 Sets	35	3	105
3	10.1-15 km	5 Sets	43	3	129
4	>15	7 Sets	59	0	0
Total			164	9	315

Sargodha**Package V RAP Phase II**

Sr.No	Road Length	No. of sets per Road	No.of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	18	486

2	7.6-10 km	4 Sets	35	1	35
3	10.1-15 km	5 Sets	43	4	172
4	>15	7 Sets	59	1	59
Total			164	24	752

Faisalabad**Package VI RAP Phase II**

Sr. No	Road Length	No. of sets per Road	No. of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	15	405
2	7.6-10 km	4 Sets	35	4	140
3	10.1-15 km	5 Sets	43	0	0
4	>15	7 Sets	59	1	59
Total			164	20	604

Multan**Package VII RAP Phase II**

Sr. No	Road Length	No. of sets per Road	No. of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	17	459
2	7.6-10 km	4 Sets	35	1	35
3	10.1-15 km	5 Sets	43	1	43
4	>15	7 Sets	59	0	0
Total			164	19	537

Bahawalpur**Package VIII RAP Phase II**

Sr. No	Road Length	No. of sets per Road	No. of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	9	243
2	7.6-10 km	4 Sets	35	5	175
3	10.1-15 km	5 Sets	43	2	86
4	>15	7 Sets	59	0	0
Total			164	16	504

D.G khan**Package IX RAP Phase II**

Sr. No	Road Length	No. of sets per Road	No. of Test per Roads	No. of Roads	Total No. of Tests
1	5-7.5 km	3 Sets	27	23	621
2	7.6-10 km	4 Sets	35	5	175
3	10.1-15 km	5 Sets	43	0	0
4	>15	7 Sets	59	0	0
Total			164	28	796

G. Total of Tests				154	4614
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CROSS SECTION FOR TPV ROAD TESTS

1 Set – 2.5 Km

Asphalt Wearing Course:	Bitumen Extraction	Content Test	(1) (1)
Base Course:	Gradation Field	Density Test	(1) (1)
Sub-base Course:	Gradation Field	Density Test	(1) (1)
Sub Grade:	Gradation Field	Density Test	(1) (1)

Note:

- 1 Set will include 08 No. of Tests.
- For the whole length of road; 01 No. of CBR Test will be performed for Base Course, Sub-base Course and Sub Grade each.
- The TPV Consultants will perform compaction tests on shoulders on both sides of main carriageway as part and parcel of main carriageway testing with the same cost.