



Pak Datacom

Pak Datacom Ltd.

3rd Floor, Umar Plaza, Blue Area, Islamabad, Pakistan

T: +92 51 2344123 F: +92 51 2344111

RFP PDC/PROC/OSP-CIVIL/2026/014

Dated: 11-September-2026

Subject: Request for Submission of Proposal.

Please quote us the sealed prices by **15-September-2026** of the equipment mention in the list with description and quantity.

Bids must be accompanied with following details/documents.

- Company Profile.
- Banker's certificate of good financial standing.
- Specification / Manual/operating documents.
- GST/NTN Registration Certificate (for Local Suppliers/Manufacturer)
- Authorized Dealer /Reseller-ship Certificate (if Manufacturer is not quoting directly)
- After sale support /backup service etc.
- Earnest money (Refundable) equivalent to 2% of the value of the bid in the shape of DD/PO in the name of Pak Datacom Ltd.

Bids complete in all respect should be dropped into the drop box on **15-September-2026** up to 4 PM. Bids shall be opened at the same date at 4 PM, in the presence of bidders.

Foreign suppliers may quote through email by bid@pakdatacom.com.pk and Local Supplier may quote through the sealed envelope one for the technical proposal and the other for the financial proposal clearly mention technical/financial offer with PDL reference number. Local suppliers may also send the proposals via e-mail.

Pak Datacom Ltd reserve the right to accept or reject any or all bids and to postpone/ cancel the bidding process at any stage without incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the ground of PDL action.

Sealed Offers:

Bidders participating in tenders are required to make two separate submissions in two separate sealed envelopes. One sealed envelope shall contain the technical offer (Unpriced bid) along with specifications and all other technical details. This envelope should be clearly marked as 'Technical Offer'

Second sealed envelope shall contain the commercial offer (priced bid) with the cost breakdown as per the company price schedule/BOQ. This envelope shall be clearly marked as 'Commercial Offer'.

Both of the above-mentioned sealed envelopes must bear PDL request for proposal (RFP)/request for quotation (RFQ) reference number.

Lahore

Pak Datacom Ltd, 4th Floor, Davis Hytes,
38-Davis Road Lahore.

T: +92-042-3631280, F: +92-42-36310375

Karachi

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Equipment Detail Specs:

S.No.	Item Description	QTY
1	Fiber Optic Cable deployment on Trunkly Basis in Karachi Metropolitan and DHA area. The detailed specifications are enclosed as Annex-A	160 Km

Payment Terms & Conditions for local suppliers:

- 5% performance bond in shape of bank guarantee, issued by a Pakistani scheduled bank, of the total order will be provided by the successful bidder upon placement of purchase order. The performance bond will be released within 14 working days after complete and successful delivery of equipment.
- Bid price would be valid for minimum 30 days.

Warranty:

- Supplier will mention the warranty period, which covers replacement/repair of faulty equipment.

General:

- All correspondence on the subject may be addressed to the undersigned.
- Standard terms and conditions of the company will be applicable on purchase order.
- For any technical query, please contact with Mr. Tariq Qazi, contact no: +92-314-9539348, e-mail: tariq.qazi@pakdatacom.com.pk


General Manager (HR & A)

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PAKDATACOM (PRIVATE) LIMITED

Karachi, Pakistan

REQUEST FOR PROPOSAL

Turnkey Civil Works and 160 Route-Km Underground Optical Fibre (OFC) Backbone Deployment across Karachi Metropolitan — with Associated FTTH / GPON Access Network

Primary Scope: 160 Route-Kilometres of OFC Deployment · Various Locations Across Karachi · Separate Contracts for OFC Deployment and GPON/FTTH

RFP Reference	PDC/PROC/OSP-CIVIL/2026/014
Issue Date	
Pre-Bid Meeting	
Last Date for Queries	
Bid Submission Deadline	15 September 2026, 1600 hrs
Bid Validity	150 days from the date of bid opening
Procurement Mode	Open competitive bidding — two envelopes, technical and financial. Rate contract on measured work.
Indicative Scope	Primary scope: approximately 160 route-km of underground optical fibre (OFC) network at various locations across Karachi — East, Central, Korangi, Landhi, Malir, Bin Qasim, South, Clifton, DHA, Keamari and West — including POP / node civil works. Secondary, separately ordered scope: an FTTH / GPON access network riding on that backbone. Area coverage at Annexure-B.
Contract Duration	270 calendar days from the Notice to Proceed
Award Basis	Two separate Purchase Orders shall be issued: PO-1 for the 160 route-km OFC deployment (primary scope, Item 1 below) and PO-2 for the FTTH / GPON access network (Item 2 below). No award shall exceed the bidder's declared PEC financial limit.

1. INVITATION

1.1 PakDataCom (Private) Limited ("PDC") invites sealed proposals from PEC-registered, ISO-certified infrastructure contractors for the turnkey design, civil construction, installation, splicing, testing and commissioning of a 160 route-kilometre underground optical fibre (OFC) network across the Karachi metropolitan area, together with the associated POP and node civil works. This 160 km OFC deployment is the primary focus of this RFP. The FTTH / GPON access network riding on that backbone is a related but distinct scope of work; PDC shall issue separate Purchase Orders for (1) the 160 km OFC deployment and (2) the FTTH / GPON access network.

1.2 This is a rate contract on measured work. The quantities against the Annexure-A items will be issued by addendum before the submission deadline and are for bid comparison only; payment shall be on joint measurement of work executed and accepted.

1.3 The route runs at various locations across Karachi, listed at Annexure-B. The 160 km OFC deployment (Item 1) and the FTTH / GPON access network (Item 2) are distinct scopes of work, each to be covered by its own separate Purchase Order; within each scope PDC may award in whole, in part or in phases, and may reject any or all proposals without assigning a reason.

1.4 This procurement is capacity-led. PDC is contracting a self-performing infrastructure contractor able to hold multiple construction fronts open concurrently at different locations in Karachi, to manufacture its own chambers, to carry its own right-of-way effort, and to hand over a surveyed, tested and geo-referenced asset. The qualification requirements at Clause 5 are set to that standard and will be applied strictly. A bidder failing any mandatory item at Clause 5.2 will not be evaluated further, and no opportunity to cure will be given after the submission deadline.

1.5 PDC will use this infrastructure primarily for IRU model for TELCOs alongwith FTTH/GPON access network. In case PDC close a deal with TELCO during or before the award of this contract than TELCO acceptance will superceed the technical specs provided in this document. It will be the primary responsibility of contractor to get acceptance from the TELCO however PDC will extend necessary support to Contractor in documentation with TELCO.

2. SCOPE OF WORK AND SPECIFICATION

The Contractor's scope is turnkey and single-point. Rates shall cover all labour, material, plant, transport, supervision, testing, safety, temporary works and disposal unless stated otherwise. The primary focus of this RFP is the 160 route-km OFC deployment described below; the FTTH / GPON access network described at the end of this clause and at BOQ Item 12 is a related but separate scope of work, covered by its own Purchase Order.

Element	Requirement
Route coverage	Approximately 160 route-km at various locations across Karachi, listed at Annexure-B. The scope is a single contract; the quantities at Annexure-A cover the whole route. Exact chainages are fixed at survey.
ROW and NOCs	Contractor to obtain all permissions — KMC, DMC/TMC, Cantonment Boards, DHA, NHA, Sindh Highways, Pakistan Railways, KPT/PQA, and utility clearances from KW&SC, K-Electric and SSGC — across the whole route concurrently. Statutory fees, road-cutting charges and restoration deposits reimbursed by PDC at actuals; liaison effort priced at BOQ item 1.2.
Survey and design	GPS route survey (WGS-84), permission drawings per authority format, and construction drawings for PDC approval, section by section. No excavation before drawing approval and NOC receipt/ Or as required by the TELCO.
Excavation	Standard trench 450 × 1200 mm. Minimum cover 1000 mm open ground, 1200 mm carriageway, where ever possible/or as accepted by the TELCO
HDPE duct	57/50 mm, PE-80 or PE-100, SDR 13.6 / PN 12.5, silicone-lined, coils of 500 m or 1000 m with metre marking. Maximum one coupler per 500 m. Rod / mandrel proving certificate required before cable pulling /or as accepted by the TELCO.
Optical fibre cable	48-core single-mode on the primary backbone links identified in the approved construction drawings; 48-core single-mode on all laterals and spurs. Both ITU-T G.652.D, loose tube, duct grade. Attenuation ≤ 0.35 dB/km @1310 nm and ≤ 0.22 dB/km @1550 nm. Blown installation. Slack 15 m at joints, 10 m at intermediate handholes, 25 m at POP entry /or as accepted by the TELCO.
Warning tape	Detectable, laid continuously 300 mm above the duct; bilingual print with PDC helpline /or as accepted by the TELCO.
Backfilling	Backfilling shall be done with excavated material. Where cover is less than two feet, four inches of concrete shall be used /or as accepted by the TELCO.
Reinstatement	Reinstatement shall be done the same as before, or as later identified by the authority, if any.
Handholes	HH-1 900 × 900 × 1000 mm, HH-2 1200 × 1200 × 1200 mm, HH-3 1800 × 1200 × 1500 mm — strictly per the Annexure-C drawings, with lockable MS/GI frame and cover, duct seals, cable hooks and ID plate with GPS coordinates. Precast chambers shall be manufactured to the same drawings and are subject to PDC inspection at the manufacturing facility /or as accepted by the TELCO.
Splicing and closures	Fusion splicing only. Dome-type IP68 enclosures — 96F on the backbone, 48F on laterals — with trays, sleeves and tagging /or as accepted by the TELCO.
Testing	• Bidirectional OTDR at 1310 nm and 1550 nm on every fibre of every section, plus end-to-end power meter loss. Native .sor traces and a consolidated summary to be submitted section by section. Target: ≤0.10 dB • Maximum individual splice: ≤0.20 dB • Any splice above the maximum should be investigated/re-spliced unless the project specification permits otherwise. • / as or accepted by the TELCO
ODF	48-port 19" rack-mount as scheduled, with SC/APC adaptors, pigtails and patch cords — supplied, installed, spliced, labelled, earthed and tested end-to-end.

Element	Requirement
Documentation and GIS	As-built DWG and PDF, KMZ / GIS route file and shapefiles, handhole and joint schedule with GPS coordinates, splice diagrams, OTDR traces, test and compaction certificates, FDH / FAT and splitter schedule, and a geo-tagged photographic record. As-built tolerance ± 1 m. A web-based GIS / project portal shall be made available to PDC within 14 days of the Notice to Proceed; all data held in it is PDC property /or as accepted by the TELCO.

Note: drawing set PDC-CIV-001 to 012, PDC-OSP-001 to 006 and PDC-FTTH-001 to 004 is issued with this RFP. Rates shall be built on those drawings only. Any subsequent change by PDC to a specification already constructed or procured is a variation under Clause 4.8.

3. EXECUTION, ACCEPTANCE AND HSE

3.1 Contract duration is 270 calendar days from the Notice to Proceed and acquisition of ROW. The Contractor shall deploy, and keep deployed, not less than the following resources for the duration of the works.

Minimum deployed resource	Minimum	Basis
Construction teams (excavation, duct, backfill)	3	Deployed on separate fronts across the route
Reinstatement crews	3	As per need
Splicing teams	1	Each with fusion splicer and OTDR
Survey and GIS teams	1	Route survey, as-built capture and GIS updating
ROW / liaison teams	1	Authority-wise, working all sections in parallel
Site engineers and supervisors	3	Across all active fronts
QHSE officers	1	Across all active fronts

Milestone	Cumulative	Day
M1 — Mobilisation, route survey complete, ROW filed for the full route	—	30
M2 — 15% route complete and accepted	24 km	75
M3 — 35% route complete and accepted	56 km	120
M4 — 60% route complete and accepted	96 km	170
M5 — 85% route complete and accepted	136 km	220
M6 — 100% backbone complete, spliced, tested, ODFs installed, POP civil works complete	160 km	255
M8 — As-built, GIS dataset and documentation accepted	—	285

3.2 Hold points requiring PDC witness before covering up: trench depth, duct laid, warning tape laid, duct proving, drum test, handhole reinforcement, splicing, reinstatement, FDH plinth and earthing, and POP foundation reinforcement. Work covered up without a witnessed hold point may be ordered uncovered at the Contractor's cost if required.

3.3 A Sectional Acceptance Certificate shall be issued per section on completion of hold-point records, test results and documentation. Payment is linked to sectional acceptance, not to overall project completion.

3.4 A weekly ROW tracker shall be submitted, stating for each pending segment: route ID, chainage from-to, length pending, authority name, application reference and date, status, named contact and expected clearance date.

3.5 Where an authority verbally refuses or suspends permission without written confirmation, the Contractor shall record the refusal in writing to that authority, copy to PDC, within three working days. Such segments become Suspended Segments and are excluded from liquidated damages for the period of suspension.

3.6 HSE: a site-specific HSE plan before mobilisation; mandatory PPE; a traffic management plan approved by the traffic authority for all carriageway works; workmen's compensation, contractor's all-risk and third-party liability insurance of not less than PKR 5 million per occurrence. Serious incidents to be reported within two hours.

3.7 Within 10 days of the Letter of Intent the Contractor shall submit a resource deployment matrix showing the teams, plant registration numbers and site offices assigned to each active front. Resources declared for one front shall not be re-badged to another to satisfy this clause; PDC may audit deployment on site without notice and may withhold certification of a running bill where the audited deployment falls below the declared matrix. However TELCO acceptance shall supercede.

4. COMMERCIAL TERMS

4.1 Rate contract on measured work, turnkey execution, single point of responsibility. Separate Purchase Orders shall be issued for the 160 km OFC deployment (Item 1, the primary scope) and the FTTH / GPON access network (Item 2); each Purchase Order shall be measured, invoiced, certified and paid independently of the other.

4.2 Mobilisation advance up to 30% of the awarded value.

4.3 Payment: running bills against joint measurement, submitted section-wise; certification within 10 working days; payment within 30 days of certification. Material at site up to 70% of invoiced value, adjusted on installation.

4.4 Taxes: rates exclusive of Sindh Sales Tax on Services, shown separately on the invoice. Income tax withheld at prevailing rates, applied separately to supply and service components. No withholding tax shall be deducted twice on the same value — tax withheld on a mobilisation advance shall be credited against tax due on the invoices adjusting that advance. Deduction certificates to be issued within 15 days.

4.5 Price adjustment: rates firm for 90 days from the Purchase Order date; thereafter adjusted quarterly on the formula at Clause 4.6, with a $\pm 5\%$ dead band, operating in both directions. The formula is contractual and non-discretionary.

$$4.6 \quad A = V \times [0.20 (F_n/F_0 - 1) + 0.20 (S_n/S_0 - 1) + 0.15 (C_n/C_0 - 1) + 0.15 (L_n/L_0 - 1)]$$

where V = value of work executed in the quarter; F = HSD price, Karachi (OGRA); S = steel / MS sheet (PBS SPI-WPI); C = cement per bag (PBS SPI); L = unskilled labour wage (PBS WPI / Sindh minimum wage). Subscript 0 = value at PO date, subscript n = quarterly average. Claims within 15 days of quarter end.

4.7 Liquidated damages: 0.05% of the value of the delayed section per week, capped at 3% of contract value. Not applicable to Suspended Segments under Clause 3.5, PDC delay in drawings, access or supplied material, or Force Majeure. Extension of Time granted day-for-day on written application within 14 days.

4.8 Variations: in writing by PDC's authorised signatory only — verbal, WhatsApp or site-level instructions are not variations. New items valued from contract rates or on actual cost plus 15%. Where a specification change affects work already constructed or material already procured to the approved specification, PDC shall bear the cost difference and the cost of redundant material.

4.9 Force Majeure is limited to natural disaster, war, civil commotion, strike, epidemic and government or judicial order preventing performance. Inflation and market price movement are not Force Majeure; they fall exclusively under Clauses 4.5 and 4.6.

4.10 Disputes: negotiation within 30 days, then a sole adjudicator deciding within 45 days, then arbitration under the Arbitration Act, 1940, seated in Karachi. Work continues and undisputed amounts remain payable during any dispute.

4.11 Sub-contracting beyond 80% of contract value requires prior written approval. The core activities — excavation, duct laying, cable blowing, fusion splicing, testing, handhole manufacture and FTTH commissioning — shall be self-performed by the Contractor with its own plant and its own payroll workforce. All installed material, drawings, GIS data and test records are PDC property and shall be treated as confidential.

4.12 Performance guarantee of 10% of the awarded value, in the form of an unconditional bank guarantee from a scheduled bank or Cheque to be furnished within 14 days of the Letter of Intent and to remain valid until 30 days after expiry of the Defect Liability Period.

5. ELIGIBILITY AND QUALIFICATION

5.1 All qualification documents shall be valid on the bid submission date. Photocopies shall be attested. PDC reserves the right to verify any document directly with the issuing authority, the certification body or the named client, and to inspect the

bidder's plant yard, chamber manufacturing facility and site offices before award. Any misdeclaration shall result in rejection of the bid and forfeiture of the bid security, and in disqualification from PDC procurement for three years.

5.2 Mandatory qualification criteria — pass / fail. Failure of any single item disqualifies the bid without further evaluation.

#	Requirement	Standard and evidence required
M1	Legal status	The bidder shall be a firm lawfully constituted in Pakistan as a sole proprietorship, a registered partnership or an incorporated company, operating under one continuous firm name. Evidence: firm registration certificate, partnership deed or SECP incorporation certificate, as applicable, together with a board resolution or power of attorney for the authorised signatory.
M2	PEC registration	Valid Pakistan Engineering Council contractor licence, Category C-4 or above.
M3	Tax status	FBR National Tax Number and Sindh Revenue Board Sales Tax Registration Number, both showing Active on the respective Active Taxpayer Lists on the submission date. Evidence: NTN and STRN certificates, ATL printouts dated within seven days of submission, and the acknowledgement of the latest filed income tax return.
M4	Operating history	Not less than five (5) years of continuous operation in civil construction and telecom infrastructure works under the same firm name. Evidence: date of first registration, together with the earliest and the most recent work orders held by the firm.
M5	Turnkey OFC — single contract	At least one single turnkey underground OFC contract of 50 route-km or above, completed or substantially completed within the last five years for a licensed telecom operator, executed on a single-point turnkey basis covering survey, ROW, civil works, duct, cable, splicing, testing and as-built documentation. Evidence: work order, completion certificate and a client reference naming the route length in kilometres.
M6	Underground OFC — cumulative	Not less than 100 route-km of underground OFC completed within the last five years, of which not less than 60 route-km within the Sindh Province, Evidence: client-wise experience schedule at Annexure-E, supported by work orders and completion certificates.
M7	FTTH / GPON access network	Not less than 50 route-km of FTTH / GPON access network — feeder and distribution — designed, deployed and commissioned within the last five years, including FDH / DP cabinets, FAT and splitter installation, micro-duct or drop network, and live end-customer connections. Evidence: client certificate stating route-km, FDH count and connection count, together with a specimen GIS / as-built deliverable from one such project. This is applicable on GPON/ FTTH PO and not with 160 KM OFC deployment
M8	Civil construction experience	Civil construction works of not less than PKR 40 million in aggregate completed within the last three years for a utility, telecom operator or public-sector client, comprising RCC or masonry structures, boundary walls, roads, drainage or shelter works. Evidence: work orders and completion certificates. Civil works executed as part of an OFC contract may be counted only where separately measured and certified.
M9	Telecom works revenue	Cumulative value of telecom infrastructure work orders executed over the last five financial years not less than PKR 300 million, of which not less than PKR 100 million in the most recently completed financial year. Evidence: a client-wise, order-wise schedule certified by the bidder's auditor and reconciled to the audited accounts at M10, supported by the underlying work orders.
M10	Audited accounts	Audited financial statements for the last three financial years, audited by a firm of practising Chartered Accountants or Cost & Management Accountants. Positive net worth in each of those years.
M11	Quality, environment and safety certification	Valid ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certificates, issued by an accredited certification body, whose certified scope expressly covers optical fibre / outside-plant deployment and civil works, and which remain valid for the whole contract period. Where a certificate expires within twelve months of the bid date, a written renewal undertaking shall accompany it.
M13	In-house/outsource survey and GIS capability	A dedicated in-house/outsource survey and GIS department, with licensed AutoCAD and ArcGIS or QGIS, able to issue as-built DWG, KMZ and shapefile deliverables. Evidence: software licences, and a specimen as-built drawing and KMZ from a completed project. Survey and GIS work outsourced to a third party does not satisfy this item.
M16	HSE system and record	A documented HSE management system comprising, at minimum, an HSE policy, HIRA and risk register, incident management procedure, permit-to-work procedure, excavation procedure, work-at-height procedure, road-safety procedure and PPE matrix. Accompanied by a declaration of no fatal accident on any project in the last three years.
M17	Integrity	Affidavit on judicial stamp paper of no blacklisting by, and no pending litigation with, any telecom operator, utility or public body; declaration of no conflict of interest with PDC or its directors; signed integrity pact; and bid security in the prescribed form and amount.

5.3 A bidder that does not itself hold every mandatory item may not cure the shortfall by joint venture, consortium, sub-contractor or associate-firm credentials. Experience, plant, certification and financial standing shall all belong to the bidding entity.

5.4 Technical evaluation — 100 marks. A minimum of 75 marks is required to qualify for financial opening. A bidder scoring less than 60% of the marks available under any of criteria T1, T2 or T5 shall be disqualified irrespective of its total.

#	Criterion	Basis of award	Marks
T1	Turnkey underground OFC — single-contract route-km evidenced	5 marks on evidencing 50 route-km in a single turnkey contract. 2 further marks for each additional 5 route-km. Maximum at 75 route-km and above.	25
T2	FTTH / GPON access network deployed and commissioned in the last five years	8 marks on evidencing 50 route-km. 2 further marks for each additional 5 route-km. Maximum at 80 route-km and above.	10
T3	Cumulative underground OFC route-km completed in Sindh in the last five years	6 marks at 60 route-km. 1 further mark for each additional 10 route-km. Maximum at 100 route-km and above.	10
T4	Civil construction experience with utility, telecom or public-sector clients	4 marks at PKR 5 million. Pro rata thereafter, maximum at PKR 10 million and above.	8
T5	Deployment capacity	7 for meeting M12 in full. Up to 3 for plant held beyond the minimum. 2 for an owned precast chamber manufacturing facility.	12
T6	ROW capability and track record with Sindh authorities	3 for the four authorities required at M14. 1 further mark per additional authority evidenced, maximum at seven authorities.	8
T7	PEC registration — category and specialisation	4 marks for a valid PEC licence of Category C-4 or above.	6
T8	ISO certification	2 marks each for ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 held valid from an accredited body with a certified scope covering OFC / OSP deployment and civil works.	10
T9	Telecom client references and completion certificates	1 mark per verified completion certificate for a telecom infrastructure contract of PKR 50 million or above,	1
T10	In-house survey, GIS and digital documentation	Assessed on the specimen as-built, KMZ and shapefile submitted, and on software licences held.	4
T11	Methodology, programme and quality plan	Assessed on the construction programme, the traffic management approach and the inspection and test plan.	3
T12	Financial strength	Assessed on turnover and net worth per the audited accounts at M10.	3
	Total		100

5.5 Financial evaluation: the lowest evaluated responsive bid among technically qualified bidders. Unbalanced bids, front-loaded rates, and rates that in PDC's assessment cannot sustain the specification may be rejected. PDC may require a bidder to justify any rate in writing before award.

5.6 A bid may be rejected without further evaluation where it is conditional, where a required document is absent, where the bid security is short or improperly drawn, where prices appear in the technical envelope, or where the bidder attempts to influence the evaluation.

6. BID SUBMISSION AND AWARD

6.1 Two sealed envelopes marked "TECHNICAL PROPOSAL" and "FINANCIAL PROPOSAL" in one outer sealed envelope bearing the RFP reference and the bidder name. No prices are to appear in the technical proposal.

6.2 The technical proposal shall be paginated, indexed and tabbed in the order of the Annexure-D checklist, and shall contain:

- Covering letter, company profile, and every document listed against M1 to M17 at Clause 5.2
- The completed Annexure-D compliance checklist, cross-referencing each mandatory item to a tab and page number in the submission
- The completed Annexure-E experience schedule, with completion certificates and client references
- The completed Annexure-E plant schedule, with ownership proof and the chamber manufacturing facility address
- Methodology, construction programme, quality plan and inspection and test plan, and the site-specific HSE plan

- Material schedule stating make, origin and standard for duct, OFC, closures, FDH, FAT, splitters and ODF, with manufacturer datasheets and type-test certificates
- Specimen as-built drawing, KMZ and shapefile from a completed project
- Bid security, signed integrity pact, and non-disclosure undertaking

6.3 The financial proposal shall be the Annexure-A BOQ, priced in the format issued, each page signed and stamped, with the total in figures and words. The unit rate governs over the extension, and words govern over figures.

6.4 Submission by hand against a receipt. Late bids shall not be accepted; emailed bids shall be rejected. Queries in writing by the date on the cover; responses issued to all bidders as an addendum. Verbal clarifications are not binding.

6.5 Bidders shall satisfy themselves as to site, traffic, soil and authority conditions before bidding.

6.6 Award by Letter of Intent followed by separate Purchase Orders or Contract Agreements — one for the 160 km OFC deployment and one for the FTTH / GPON access network — which may be issued on different timelines. Work under each Purchase Order shall commence only on its own written Notice to Proceed. Performance guarantee and insurances within 14 days of the Letter of Intent, failing which the bid security may be encashed.

ANNEXURE-A — BILL OF QUANTITIES

Quantities against each item will be issued by addendum before the bid submission deadline. Payment shall in any case be on actual joint measurement of work executed and accepted. Rates in PKR, exclusive of Sindh Sales Tax on Services. Contractor can provide Lumpsum rates for 160 KM OFC deployment on turnkey basis. however unitwise rates for GPON/ FTTH is necessary. Items 1 to 11, 13 and 14 constitute the 160 km OFC deployment, the primary scope of this RFP, and will be covered by PO-1. Item 12 (FTTH / GPON Access Network) is a separate scope and will be covered by a separate Purchase Order, PO-2, issued independently of PO-1.

Item	Description	Unit	Qty	Lum Sum Unit Rate (PKR)
1. SURVEY, DESIGN AND ROW				
1.1	Route survey, detailed design, permission and construction drawings	m	1	
1.2	ROW / NOC processing and authority liaison (statutory fees reimbursed at actuals)	m		
2. EXCAVATION				
2.1	Trench excavation depth 900/1200 mm in ordinary soil	m		
2.2	Trench excavation in hard soil / murrum	m		
2.3	Trench excavation in rock (chisel / breaker)	m		
2.4	Cutting and excavation through asphalt carriageway	m		
2.5	Cutting and excavation through PCC / RCC surface	m		
2.6	Excavation through tuff tile / paver / footpath	m		
3. CROSSINGS				
3.1	HDD including 110 mm HDPE casing, entry/exit pits and reinstatement	m		
3.2	HDD through rail / nallah including casing and authority compliance	m		
3.3	Laying of GI pipe — service only, pipe supplied by PDC	m		
4. HDPE DUCT				
4.1	Supply of HDPE duct 57/50 mm, PE-80, silicone-lined	m		
4.2	Laying of HDPE duct including couplers, end caps and proving	m		
5. OPTICAL FIBRE CABLE				
5.1	Supply of 96F SM G.652.D loose-tube duct-grade OFC — backbone links	m		

5.2	Supply of 48F SM G.652.D loose-tube duct-grade OFC — laterals and spurs	m
5.3	Blowing / laying of OFC in duct including slack, any fibre count	m
6. WARNING TAPE AND MARKERS		
6.1	Supply and laying of detectable warning tape	m
6.2	Supply and fixing of RCC route marker	no.
7. BACKFILLING		
7.1	Sand bedding and surround — supply and placing	m
7.2	Backfilling with selected earth in layers, compacted to 95% MDD	m
7.3	Concrete-tiered backfill under carriageway, per approved section	m
8. REINSTATEMENT		
8.1	Reinstatement of asphalt carriageway (sub-base + PCC + 50 mm asphalt)	m ²
8.2	Reinstatement of PCC / concrete road	m ²
8.3	Reinstatement of tuff tile / paver / footpath	m ²
8.4	Reinstatement of earth / shoulder / green belt	m
9. HANDHOLES		
9.1	HH-1, 900 × 900 × 1000 mm, complete with frame and cover per Annexure-C	no.
9.2	HH-2, 1200 × 1200 × 1200 mm jointing chamber, complete	no.
9.3	HH-3, 1800 × 1200 × 1500 mm junction chamber, complete	no.
10. SPLICING, ENCLOSURES AND TESTING		
10.1	Supply of 96F dome-type joint enclosure, IP68	no.
10.2	Supply of 48F dome-type joint enclosure, IP68	no.
10.3	Splicing of 96F joint complete, including trays, sleeves and tagging	no.
10.4	Splicing of 48F joint complete, including trays, sleeves and tagging	no.
10.5	Bidirectional OTDR testing at 1310/1550 nm, with traces and report	km
11. OPTICAL DISTRIBUTION FRAME		
11.1	Supply of 96-port 19" ODF with adaptors, pigtails and patch cords	no.
11.2	Supply of 48-port 19" ODF with adaptors, pigtails and patch cords	no.
11.3	Installation, splicing, labelling, earthing and end-to-end testing of ODF	no.
13. POP AND NODE CIVIL WORKS		
13.1	POP / node room civil works — RCC raft, block masonry, plaster, flooring, steel door and ventilation, complete	no.
13.2	Boundary / compound wall including foundation, RCC coping and razor-wire fencing	m
13.3	Equipment plinth, cable entry, cable trays and sealing at POP	no.
13.4	Earthing system — copper plate electrode pit, ≤ 1 Ω, including testing	no.
13.5	DG foundation and bunded fuel-tank base	no.
13.6	External works — paving, surface drainage, gate and site levelling	m ²

14. DOCUMENTATION				
14.1	As-built drawings (DWG), KMZ / GIS, schedules and geo-tagged photographic record	km		
14.2	Web-based GIS / project portal — setup, hosting for the contract period and handover of all data to PDC	LS		
	SUB-TOTAL — PO-1 (OFC DEPLOYMENT, ITEMS 1–11, 13–14)			
12. FTTH / GPON ACCESS NETWORK — SEPARATE SCOPE, PO-2				
12.1	Supply and installation of outdoor FDH cabinet 288F, with plinth, terminations and cable management	no.	1	
12.2	Supply and installation of 1×8 / 1×16 PLC splitter in FDH or FAT	no.	1	
12.3	Supply and installation of FAT / DP box, 8–16 port, wall or pole mounted	no.	1	
12.4	Supply and laying of 12-way / 4-way micro-duct 7/3.5 mm	m	1	
12.5	Supply and blowing of 24F / 12F distribution OFC in micro-duct	m	1	
12.6	Supply and laying of 2F / 4F FTTH drop cable, ducted or aerial, with accessories	m	1	
12.7	End-customer termination — drop splicing, SC/APC termination, ONT installation and activation	no.	1	
12.8	GPON commissioning per FDH — splitter mapping, OLT-to-ONT loss budget verification and acceptance	no.	1	
	SUB-TOTAL — PO-2 (FTTH / GPON ACCESS NETWORK, ITEM 12)			
	COMBINED SUB-TOTAL (PO-1 + PO-2, FOR BID COMPARISON)			
	Sindh Sales Tax on Services			
	GRAND TOTAL			

Total in words: _____

Name and designation of authorised signatory: _____

Signature and company stamp: _____ Date: _____

ANNEXURE-B — ROUTE LOCATIONS AND AREA COVERAGE

The 160 km OFC deployment (the primary scope, PO-1) runs at the locations below and, within that scope, is awarded as a whole, not area by area. The FTTH / GPON access network (PO-2) rides on this same route footprint but is ordered separately. Exact chainages, section limits and the sequence of construction are fixed at survey and set out in the approved construction drawings.

Zone	Areas covered
Karachi East	Gulshan-e-Iqbal, Gulzar-e-Hijri, Safoora, Scheme 33, University Road corridor
Karachi Central	North Nazimabad, Nazimabad, Liaquatabad, Gulberg, New Karachi
Korangi and Landhi	Korangi Industrial Area, Landhi, Shah Faisal, Model Colony
Malir and Bin Qasim	Malir, Shah Latif, Steel Town, Gulshan-e-Hadeed, Port Qasim
Karachi South, Clifton and DHA	Saddar, Civil Lines, Clifton, DHA Phase I to VIII
Keamari and West	SITE, Baldia, Orangi, Mauripur, KPT approaches

ANNEXURE-C — STANDARD DRAWINGS

The following drawing set is issued with this RFP and forms part of it. Rates shall be built on these drawings only.

Drawing number	Title
PDC-CIV-001 to 004	Standard trench sections — open ground, carriageway, footpath and crossing or Telco Operators Standards

Drawing number	Title
PDC-CIV-005 to 008	Handhole details HH-1, HH-2 and HH-3 — plan, section, reinforcement, frame and cover or or Telco Operators Standards
PDC-CIV-009 to 010	Reinstatement details — asphalt, PCC, tuff tile and shoulder or Telco Operators Standards
PDC-CIV-011 to 012	POP / node room, boundary wall, plinth and earthing details or or Telco Operators Standards
PDC-OSP-001 to 003	Duct configuration, coupler and end-seal details, route marker or or Telco Operators Standards
PDC-OSP-004 to 006	Joint closure layout, slack management and ODF termination schematic or or Telco Operators Standards
PDC-FTTH-001 to 004	FDH cabinet and plinth, FAT mounting, splitter schematic and drop-cable details or Telco Operators Standards

ANNEXURE-D — MANDATORY QUALIFICATION COMPLIANCE CHECKLIST

To be completed, signed and stamped by the bidder and placed at the front of the technical proposal. Each entry shall cite the tab and page number at which the evidence appears. An item marked complied but not evidenced at the page cited shall be treated as not complied.

#	Mandatory requirement	Complied	Tab / page
M1	Legal status — registration and signatory authority		
M2	PEC licence C-4 or above, 2026-27, with specialisation schedule and financial limit		
M3	NTN, SRB STRN, both ATL Active; latest return acknowledgement		
M4	Five years' continuous operation — earliest and latest work orders		
M5	Single turnkey OFC contract of 50 route-km or above		
M6	100 route-km cumulative, 60 route-km in Sindh Province.		
M7	50 route-km FTTH / GPON commissioned		
M8	PKR 40 million civil construction in the last three years		
M9	PKR 300 million telecom works over five years; PKR 100 million in the latest year		
M10	Audited accounts, three years, CA or CMA firm		
M11	ISO 9001, ISO 14001 and ISO 45001 certificates with scope		
M12	Owned plant schedule with ownership proof		
M13	In-house/outsource survey and GIS — licences, specimen as-built and KMZ		
M14	ROW / NOC evidence from four or more Sindh Province authorities		
M15	Enlistment or frame contract with one or more operators or utilities		
M16	HSE system documents and three-year no-fatality declaration		
M17	Blacklisting affidavit, integrity pact, bid security		

I certify that the entries above are correct, that every document cited is genuine and valid on the submission date, and that the experience, plant and certification declared belong to the bidding entity itself.

Signature and company stamp: _____ Date: _____

ANNEXURE-E — EXPERIENCE

Form E-1 — Experience schedule. One line per work order. Attach the work order and completion certificate behind this form, in the same order.

#	Client	Project and scope	Route-km	Value (PKR)	Completed	Certificate
1						

#	Client	Project and scope	Route-km	Value (PKR)	Completed	Certificate
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Signature and company stamp: _____ Date: _____