



BIDS AND AWARDS COMMITTEE FOR THE INTEGRATED GOVERNMENT PHILIPPINES PROJECT (BAC4IGOV)

Supplemental Bid Bulletin No. 1

Design, Supply, Delivery, Installation, Splicing, Testing Commissioning, Operation and Maintenance of Brand New Fiber Optic Cable in Three (3) Regional Government Centers (Tuguegarao, Pampanga, and Iloilo)

Bid Reference No. BAC4IGOV-2015-10-053 (NEGO)

After considering the queries, clarifications, recommendations and suggestions, the BAC4IGOV hereby decides to include, revise, amend, delete and/or adapt the following provisions

Original Provision	Amended Provision
Design, Supply, Delivery, Installation, Splicing Testing Commissioning, Operation and Maintenance of Brand New Fiber Optic Cable in Three (3) Regional Government Centers (Tuguegarao, Pampanga, and Iloilo)	
Technical Specifications	
3.2 Contractor is required to maintain the quantity of materials in their storage warehouse. Warehouseman must always update and maintain record of the list of components and materials, and prepare reports when stocks are being used. <u><i>In case of any loss or damages on the materials provided by ICT OFFICE, the Contractor or the winning Maintenance Provider will be accountable and must immediately replace the said materials.</i></u>	3.2 Contractor is required to maintain the quantity of materials in their storage warehouse. Warehouseman must always update and maintain record of the list of components and materials, and prepare reports when stocks are being used. <u><i>In case of any theft,</i></u> loss or damages on the materials provided by ICTO, the Contractor or the winning Maintenance Provider will be accountable and must immediately replace the said materials.
d) <u>CONTRACTORS MUST SUBMIT THE FOLLOWING DURING THE BID OPENING</u>	d)_CONTRACTORS MUST SUBMIT THE FOLLOWING <u>DURING POST QUALIFICATION:</u>
1.3 Must hold a PCAB License on Communications Facilities for a minimum of 5 consecutive years from date of Bid Opening/Negotiation. (In case of renewal, the bidder must submit	1.3 Must hold a PCAB License on Communications Facilities for a minimum of 5 consecutive years from the date of <u><i>Bid Opening.</i></u> (In case of renewal, the bidder must submit PCAB application and Official Receipt)

Supplemental Bid Bulletin No. 1



copy of PCAB application and Official Receipt).	
The schedule of activities must be within the one hundred twenty (120) calendar days' completion period of the project.	The schedule of activities must be within the <i>one hundred eighty (180)</i> calendar days' completion period of the project.
Schedule of Requirements	
The delivery schedule of service shall be completed within One Hundred Twenty (120) calendar days from the issuance of Notice to Proceed	The delivery schedule of service shall be completed within One Hundred <i>Eighty (180)</i> calendar days from the issuance of Notice to Proceed
Delivered, Weeks/Months	Delivered, Weeks/Months
Detailed work plan, including milestones and critical tasks, in implementing the project within the allotted one hundred twenty (120) calendar days from date of issuance of Notice to Proceed (NTP).	Detailed work plan, including milestones and critical tasks, in implementing the project within the allotted <i>one hundred eighty (180)</i> calendar days from date of issuance of Notice to Proceed (NTP).
Annex IV page 3 of 5 Technical Proposal Form	
Delivery and Installation Period	Delivery and Installation Period
Detailed work plan, including milestones and critical tasks, in implementing the project within the allotted one hundred twenty (120) calendar days from date of issuance of Notice to Proceed (NTP).	Detailed work plan, including milestones and critical tasks, in implementing the project within the allotted <i>one hundred eighty (180)</i> calendar days from date of issuance of Notice to Proceed (NTP).

Please use the following forms attached in this Supplemental Bid Bulletin:

- **Revised Schedule of Requirements**
- **Revised Technical Specifications**
- **Revised Annex IV**
- **Revised Checklist of Requirements for Bidders**

For information and guidance of all concerned.

Issued this 30th day of October 2015.

(SGD.) DENIS F. VILLORENTE
Chairman, BAC4IGOV



Revised Schedule of Requirements

The delivery schedule of service shall be completed **within One Hundred Eighty (180) calendar days** from the issuance of **Notice to Proceed**.

Description	Qty	ICT Office ABC	Delivered, Weeks/Months
Design, Supply, Delivery, Installation, Splicing, Testing, Commissioning, Operation and Maintenance of Brand New Fiber Optic Cable Network in Three (3) Regional Government Centers	1 Lot	113,401,722.00	Detailed work plan, including milestones and critical tasks, in implementing the project within the allotted one hundred eighty (180) calendar days from date of issuance of Notice to Proceed (NTP).

I hereby commit to comply and deliver all the above requirements in accordance with the above-stated schedule.

Name of Company

Signature Over Printed Name
Of Authorized Representative

Date



Revised Technical Specifications

INSTRUCTION TO THE SUPPLIER: Indicate “COMPLY” per line number under **Supplier’s Statement of Compliance** if Supplier can meet the technical specifications and project requirements. **DO NOT LEAVE ANY BLANK. A “YES” or “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.**

Design, Supply, Delivery, Installation, Splicing, Testing, Commissioning, Operation and Maintenance of Brand New Fiber Optic Cable Network in Three (3) Regional Government Centers

ITEM	SPECIFICATION	STATEMENT OF COMPLIANCE
DESIGN, SUPPLY, DELIVERY, INSTALLATION, SPLICING, TESTING, AND COMMISSIONING OF BRAND NEW FIBER OPTIC CABLE NETWORK IN THREE (3) REGIONAL GOVERNMENT CENTERS (TUGUEGARAO, PAMPANGA, AND ILOILO)		
	i. <u>Overview</u>	
	The project consists of aerial and underground installation (micro-trenching method) and/or buried/conduit/directional boring, configuration, testing, and commissioning of approximately seventy-seven kilometers (77 km) of fiber optic cables in three (3) identified government regional centers in the country, namely:	
	a) Carig, Tuguegarao, Cagayan Valley (26 km)	
	b) San Fernando, Pampanga (16 km)	
	c) Iloilo City (35 km)	
	ii. <u>Scope of Work</u>	
	The work includes the delivery of engineering services, materials, labor, supervision, tools, supplies, and performance of all operations necessary to complete the project, all in accordance with the contract documents and subject to the terms and conditions of the contract.	
	The work covers the design-and-build of the above-mentioned project, particularly the following components:	
	a. As-build plans of all plans and drawings (network, route, termination, splicing, etc.) required by the project;	
	<i>Micro-trenching and/or buried/conduit/directional boring ducts and appurtenances for the proposed project;</i>	
	b. Optical Distribution Frame (ODF) or Cabinet, including patch cord or pig tails, optical fiber trays, db loss/amplification and other equipment and accessories, if necessary;	
	c. Pole line hardware;	



	d. Installation of underground micro-trenching method and/or buried/conduit/directional boring (for the backbone) and aerial fiber optic cable (for the distribution);																																																																	
	e. Splicing and termination of fiber optic cable;																																																																	
	f. Testing and commissioning (provisional and final acceptance) of newly installed FOC; and																																																																	
	g. Restoration of all affected facilities.																																																																	
	Note: Scope of work for the Fiber Network will be up to the Optical Distribution Frame (ODF) only.																																																																	
	All connections are to be directly terminated to the user nodes using ODFs or patch panels.																																																																	
	a) TUGUEGARAO FOC NETWORK																																																																	
	a. Laying of FOC cables (96 and 48 cores) at Carig Regional Center of approximately 26 km, with fifty-five (55) agencies to be connected																																																																	
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	b. Installation of 4-way HDPE microducts using microtrenching method and/or buried/conduit/directional boring approximately 15 km for the backbone cable routes.																																																																	
	c. Termination of 96 cores FOC on PoP (Point of Presence) and 48 cores FOC on the client agencies and stations.																																																																	
	d. Provide and install Optical Distribution Frame (ODF) or Cabinet, including patch cord or pig tails, optical fiber trays, and accessories at all designated target agencies.																																																																	
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	g. Restoration of all affected facilities and infrastructure, and demobilization.																																																																	



b) SAN FERNANDO PAMPANGA FOC NETWORK					
a. Laying of FOC cables (96 and 48 cores) at San Fernando Regional Center of approximately sixteen (16) km, with thirty-two (33) agencies to be connected					
1. DOST	12. BPI-PQS	23. OCD			
2. CSC	13. NTC	24. BFAR			
3. DENR	14. DTI	25. DOH			
4. DILG	15. SSS	26. PDEA			
5. BoT	16. DBM	27. Dep-Ed			
6. CDA	17. LBP	28. PHILHEALTH			
7. BJMP	18. POPCOM	29. DSWD			
8. TESDA	19. LTO	30. CHED			
9. NMIS	20. NAPOLCOM	31. LTFRB			
10. NEDA	21. NSO	32. PPC			
11. DOLE	22. COA	33. PAGASA			
b. Installation of 4-way HDPE microducts using microtrenching method and/or buried/conduit/directional boring approximately 10 km for the backbone cable routes.					
c. Termination of 96 cores FOC on PoP (Point of Presence) and 48 cores FOC on the client agencies and stations.					
d. Provide and install Optical Distribution Frame (ODF) or Cabinet including patch cord or pig tails, optical fiber trays, and accessories at all designated target agencies.					
e. Testing of new FOC.					
f. Commissioning					
g. Restoration of all affected facilities and infrastructure, and demobilization.					
c) ILOILO CITY FOC NETWORK					
a. Laying of FOC cables (96 and 48 cores) at Iloilo City of approximately thirty-five (35) km, with fifty-five (55) agencies to be connected					
1. DOST	15. CBP	29. DBM	43. DPWD		
2. WVSU	16. ICES	30. ICTO	44. PPA		
3. WVSU Hospital	17. DEPED	31. POSTAL	45. DEPED		
4. INHS	18. DTI	32. TESDA	46. FSPNHS		
5. DEPED	19. BFAR	33. MES	47. SEC		
6. WVSTU	20. BOC	34. GSIS	48. NBI		
7. LRA	21. BI	35. CSC	49. NEDA		
8. DOT	22. BFP	36. BJMP	50. BIR		
9. JUSTICE	23. HOR	37. PCG	51. DSWD		
10. CAPITOL	24. COA	38. DILG	52. ICC		
	25. CITY HALL		53. ICNHS		



	11.LBP 12.QUARANTINE 13.DENR 14.DA	26.DBP 27.BTr 28.LBP	39.MICO 40.PDEA 41.PNP 42.DND	54.HDMF 55.UPV		
	b. Installation of 4-way HDPE microducts using microtrenching method and/or buried/conduit/directional boring of approximately 20 km for the backbone cable routes.					
	c. Termination of 96 cores FOC on PoP (Point of Presence) and 48 cores FOC on the client agencies and stations.					
	d. Provide and install Optical Distribution Frame (ODF) or Cabinet, including patch cord or pig tails, optical fiber trays, and accessories at all designated target agencies.					
	e. Testing of new FOC.					
	f. Commissioning.					
	g. Restoration of all affected facilities and infrastructure, and demobilization.					
	iii. <u>SURVEY, ENGINEERING AND CONSTRUCTION DESIGN (after contract awarding before installation)</u>					
	(a) The Contractor is required to carry out the detailed site survey and engineering for the optic fiber cable routes to justify the installation and construction designs together with the bill of quantities (BOQ). Included in the Contractor's BOQ is all local materials and labor. (Initial Cable Route Plan will be provided by DOST-ICT Office for reference)					
	(b) The Contractor shall submit to DOST-ICT Office for approval a detailed work plan and installation or construction design drawings within ten (10) calendar days after receipt of Contract and prior to installation. The DOST-ICT Office will check and review the design drawings, accompanied by justification or verification reports, and issue a decision within one (1) week from receipt of the drawings.					
	(c) As part of each telecommunications work order or project, detail schematic drawings shall be prepared for each fiber optic span or cable route, showing the following information:					
	Fiber cable data:					
	1. Cable manufacturer;					
	2. Cable size (number of fibers);					
	3. Cable type;					
	4. Cable make-up;					
	5. Type of fiber;					
	6. Transmission characteristics (dB loss/km at given					



	wavelength); and	
	7. Dispersion specification in ps/(nm . km).	
	Other information:	
	a) Trunk number/cable number;	
	b) Span length;	
	c) Manhole/handhole number and duct number;	
	d) Major intersections and key streets;	
	e) Fiber cable splice points with station location;	
	f) Splice-to-splice cable lengths;	
	g) Change in cable route; and	
	h) Budget loss link calculation.	
	(d) Preparation of Design Drawings	
	a. Kinds of installation drawings	
	i. The Contractor shall, at its own expense, produce installation or construction design drawings in conformity with design principles, and submit them to the DOST-ICT Office for approval.	
	ii. Preparation and standard size of installation or construction design drawings: The Contractor shall draw the installation or construction designs on standard size paper.	
	iii. As noted in other sections of this TOR, the Contractor shall supply drawings in a computer-aided design (CAD) format.	
	iv. Geospatial data using the ICTO-defined GIS application indicating the route plan, including the splicing point, termination point, and ODF.	
	(e) Reports, Specifications, Practices and Procedures	
	a. Preparation of Technical Documents	
	The following reports, specifications, practices and procedures shall be prepared by the Contractor, called as the "Technical Documents" in this paragraph, to be approved by DOST-ICT Office. The Contractor must submit a progress report every Monday.	
	i. Survey report.	
	ii. Design reports.	
	iii. Material Specifications for Optical Fiber Cable and Duct/Trench Systems.	
	iv. Installation and Construction Practices, for Optical Fiber Cable, Duct and Direct buried Systems.	
	v. Factory Inspection and Test Procedures.	
	vi. Inspection and Acceptance Test Procedures, for Duct System and Optical Fiber Cable Systems.	
	vii. Others.	

	b. Number of Copies of Installation or Construction Design Drawings, Reports, Specifications, Practices and Procedures (as part of requirement for payment)	
	The Contractor shall submit to DOST-ICT Office the specified numbers of original and copies of the installation or construction design drawings and technical documents, such as:	
	i. Soft copy, in original editable format, of all as-built plans and drawings involved in the project;	
	ii. Design standard and application details;	
	iii. Survey and design reports;	
	iv. Material Specifications	
	v. Installation and Construction Practices in accordance with ITU-T Standard.	
	vi. Factory Inspection and Test Procedures; and	
	vii. Inspection and Acceptance Test Procedures	
	(f) Construction Design	
	All construction plans or designs shall be in accordance with DOST-ICT Office specifications. Construction plans or designs are composed of:	
	a. Optical Fiber Cable Plan	
	i. Key Map for optical fiber cable route	
	ii. Optical fiber cable plan	
	iii. Optical fiber cable arrangement and termination on ODF frames	
	iv. Optical fiber cable arrangement on splice closure	
	v. Schematic diagram for fiber optic cores assignment	
	vi. Cable Entrance Facilities/Structural Cabling inside the agencies	
	b. Contents of Installation or Construction Drawings for Optical Fiber Cable System.	
	i. Key Map for Optical Fiber Cable route.	
	The key map is to indicate the proposed optical fiber cable route between two nodes with latest route conditions as well as future plan along the route. The following items shall be considered:	
	1. The proposed optical fiber cable route shall be covered from end to end;	
	2. The road, river, railway, remarkable buildings and typical public facilities, including the planned ones with each name along the junction or trunk route;	



	3. Proposed or existing location of the nodes;	
	4. Size, type and capacity of the proposed optical fiber cable;	
	5. Location of repeater, if applied; and	
	6. Road side of proposed optical fiber cable route indicated by writing the road name.	
	(g) The Optical Fiber Cable Plan Must Include the Following Specifics:	
	a. All proposed manhole or handhole and duct runs with type, name, capacity and distances;	
	b. Assignment of duct for proposed optical fiber cable;	
	c. Typical drawing(s) for cable arrangement in manhole or handhole;	
	d. Splice points of optical fiber cable with 3-POINT reference and GPS coordinates;	
	e. Distance between existing facilities (such as center or edge of the road and canal) and DOST-ICT Office proposed facilities should be reflected on engineering and as-built plan;	
	f. Number and distance of microducts;	
	g. Road side of proposed optical fiber cable route indicated by writing the road name;	
	h. Location of cable within railroad right-of-way;	
	i. North point; and	
	j. Town and barangay boundaries	
	(h) Optical Fiber Cable Arrangement and Termination	
	This drawing shall cover terminations in the ICT room; cable runs from entrance in building and to the cable entrance point from duct or pole route.	
	a. Location and dimensions of fiber distribution frame with 3 dimensions.	
	b. Location of termination of joint, assignment and arrangement of termination O/F cords and detailed cable runs.	
	c. Details of cable racking structure and racking method.	
	d. Contents of optical fiber cable system such as junction section, capacity of line system, attenuation loss, name of optical mode, and so on.	
	(i) Schematic Diagrams for Optical Fiber Cable Core and Fiber Optics Covers.	
	This drawing shall cover all necessary factors for interfacing with transmission systems as the line system design.	
	(j) Contents of Installation or Construction Drawings for the	

	Microduct System	
	a. The duct system drawings are composed of 2 kinds of drawings, and are to be combined and drawn on A-1 size paper. One is the geographic plan for roads along routes of duct system drawn to a scale of 1/1000.	
	b. The other is the longitudinal profile of vertical section along the center line of duct system routes, and is to be on a scale of 1/1000 for horizontal length and 1/100 for vertical level.	
	The plan drawing shall contain:	
	i. The location of manholes with their names and types supported by cross-section drawings of roads at a scale of 1/100;	
	ii. The location of duct runs with the duct composition and each duct span length between adjacent 2 centers of manhole, riser ducts or the internal wall of a cable vault;	
	iii. The location of length of sections showing details of protective measures;	
	iv. The location and length of duct bridges, duct attachments to bridges and boring sections supported by detailed drawings of structure; and	
	v. The direction of north.	
	c. Longitudinal profile drawings shall contain:	
	i. Level of ground, top and bottom, of duct run at each 30s horizontal distance, and levels of bottom and shoulder (outer side) of manhole;	
	ii. Top and bottom levels of other underground facilities (power cable, water and sewage pipe, etc.) and levels of natural or artificial features along the duct routes (river, culvert, railways, etc.); and	
	iii. The manhole on the plan drawing.	
	(k) The Contractor is required to designate a qualified on-site engineer for proper supervision and coordination of the project, and must undergo interview with DOST-ICT Office FOC Team for verification.	
	(l) The Contractor shall, in order to keep the design accurate and practical and at his own expense, perform the following:	
	a. When necessary, make test holes at key point of the route to avoid interference with underground facilities and/or hard rocks as much as practically	



	possible.	
	b. Obtain prior approval from municipalities and/or other relevant authorities or agencies, and third parties for the execution of the work.	
	c. The Contractor shall abide and comply with the terms and conditions specified in the permits obtained from said municipalities and/or other relevant authorities or agencies.	
	All necessary Right-of-Way and Joint Pole Agreement (JPA) permits shall be secured by the Contractor in favor of the DOST-ICT Office.	
	All permits and fees for the JPA lease and monthly lease for road or underground trench or duct will be eventually shouldered by the Project once the Final Acceptance Certificate is issued by DOST-ICT Office.	
	All charges pertaining to permits and other fees for JPA lease and Right-of-Way for the duration of the contract shall be at the expense of the Contractor.	
	(m) The Contractor must conduct due diligence and shall restudy and amend or modify the design drawings not only upon the comments of DOST-ICT Office but also on its own volition, taking into consideration the design concept. It shall resubmit the modified design drawings to DOST-ICT Office within one (1) week after receipt of DOST-ICT Office comments for approval.	
	(n) In case the Contractor's restudy of the design is incomplete, and the DOST-ICT Office disapproved it a second time, then the Contractor shall be fully responsible for any delay in progress, cost of redesign, etc. The DOST-ICT Office will also keep the right to order the replacement of the Contractor's engineer or management in charge of installation or construction design at the Contractor's own expense.	
	(o) The Contractor shall submit the combined bill of quantities for Duct System and Optical Fiber Cable System as a part of installation or construction design, and shall get approval from DOST-ICT Office and/or Consultant following the same procedures as applied to get approval for installation or construction drawings.	
	In case the bill of quantities for the Optical Fiber Cable System associated with the related installation or construction drawings are within the originally contracted amount and are approved by DOST-ICT Office, then such DOST-ICT Office approval shall be considered as commencement order for site implementation of the approved Bill of Quantities.	
	(p) The Contractor shall be responsible for the installation or	



	construction drawings and Bill of Quantities, as a consequential obligation under the Contract to DOST-ICT Office, NGAs and LGUs, other organization or authorities concerned and also to third parties or personnel until the completion of the project.	
	(q) The Contractor shall regard the implementation schedule as the priority requirement. In case the priority order for any section is required by DOST-ICT Office, then the Contractor shall adjust the schedule accordingly.	
	a. The Contractor shall submit the survey schedule, in great detail for existing facilities, at least ten (10) days prior to the commencement of the survey for each section.	
	(r) In case an agency is found to be in a different location or site than the one specified in the ToR of the detailed site survey or engineering by the winning Contractor, the Contractor is required to connect said agency to the Fiber Infra Network.	
	iv. PROJECT MILESTONES	
	1. Implementation Schedule	
	1. The Contractor shall submit an integrated project implementation plan for each of the provinces (Tuguegarao, Pampanga, and Iloilo) showing the following:	
	2. Detailed work plan, including milestones and critical tasks, in implementing the project within the allotted one hundred twenty (120) calendar days from date of receipt of Notice to Proceed (NTP).	
	1. Number of work teams at any given time.	
	2. Specific dates for work and quality inspection by the DOST-ICT Office team in the FOO clusters.	
	3. The Contractor shall submit integrated implementation updates every Monday of the week to DOST-ICT Office throughout the contractual installation and construction period from the effective date of the Contract until the completion of the Project, showing the detailed milestone, and in accordance with the established schedule and priorities.	
	4. The implementation shall be accurate and include the following considerations:	
	1. Ensure that the workforce is well-distributed through the contractual period taking quality control and timely progress into consideration.	
	2. Allow sufficient time and manpower for self-inspections or tests prior to being witnessed by	



	DOST-ICT Office for interim inspections or tests and provisional acceptance tests.	
	3. Allow reasonable time for witnessing by DOST-ICT Office of interim inspections or tests considering the work sequence such as cable laying work after DOST-ICT Office has accepted completed systems.	
	4. Ensure the sites are properly managed to enable the following:	
	a. Coordination with NGAs, LGUs and other authorities or agencies concerned.	
	b. Obtaining site implementation permits and site-entry permits.	
	c. Adequacy of site security arrangements.	
	5. Keep sufficient time and manpower for transferring site know-how, quality control, tools and formats, standard safety arrangement, first aid, etc., to the local staff and local foreman.	
	6. Make sure the quality and functions of domestic products fully conform to the specifications and time necessary to upgrade the same.	
	5. The Contractor shall conform to the integrated implementation schedules as strictly as possible after examination and approval by DOST-ICT Office.	
	6. If discrepancies or ambiguities are found, or some deviation is necessary in the actual implementation progress, the Contractor shall report the same to the DOST-ICT Office and shall take all corrective actions at the Contractor's expense, in accordance with the instructions given by DOST-ICT Office.	
	7. The initial synchronized and integrated implementation schedule specified for the project shall be submitted for DOST-ICT Office's approval within five (5) days after the effective date of the Contract.	
	v. AS-BUILT DRAWINGS	
	1. Technical documents, including the As-Built Drawings shall be required by DOST-ICT Office.	
	1. Documents for Execution of Provisional Acceptance Test:	
	2. For the main purpose of executing the Provisional Acceptance Test, the Vendor shall prepare the As-Built Drawings. The As-Built Drawings shall be made in a CAD format.	
	3. As-Built Drawings for Cable Networks.	



	The following as-built drawings will have the same size as the designs and drawings:	
	1. General Map to cover all of the serving area;	
	2. Junction Cable Diagram for the Network;	
	3. Key Map for Cable Route (each cable section);	
	4. Junction Cable Duct Assignment Diagram (each cable section);	
	5. Detailed fiber core assignments (each cable section and splicing point);	
	6. Junction Cable Location Map (each cable section);	
	7. Optical Fiber Cable Arrangement and Termination on the fiber distribution frame;	
	8. Schematic diagram for Fiber Optic Core Assignment; and	
	9. Special Design Drawing, if any.	
vi.	<u>BILL OF QUANTITIES</u>	
	1. The contractor must attach a detailed Bill of Quantities (BOQ) showing all the components required to complete the project. This may include:	
	1. Fiber optic cable (SMF, ITU –T Recommendation G.652d, NECA/FOA 301 Compliant), closure, and cabinet	
	2. Pole line hardware and accessories	
	3. Poles	
	4. Underground microtrenching materials	
	5. Optical Distribution Frame (ODF) or Cabinet, including patch cord or pig tails, optical fiber trays, db loss/amplification and other equipment, if necessary, and accessories	
	6. Engineering, right-of-way, permits	
	7. List of equipment	
	8. Contingency	
vii.	<u>TESTING, COMMISSIONING, AND ACCEPTANCE</u>	
	1. The Contractor is responsible for the performance of all civil and cable network pre-test requirements.	
	a. Fiber Optic Cable (FOC) – attenuation and all its related testing, power meter test, and grounding test, and all other tests that may be needed to complete the FOC test requirements.	
	i. The Contractor is also required to submit their FOC testing procedures and protocols.	
	i. On-reel acceptance tests shall be performed on the cable to confirm the manufacturer’s tests before the installation operation begins. This will also be used to validate	

	the fiber loss/km; at wavelength 1310nm loss shall be 0.4 db/km or less; at 1550nm shall be 0.3dB/km or less.	
	ii. End-to-end acceptance tests (<i>typically conducted after completion of installation and splicing and before installing terminal equipment</i>).	
	iii. End-to-end attenuation is the amount of optical power loss between cable system connector tips. This will include the fiber and splice or connector loss in the cable system after it has been installed.	
	iv. Splice acceptance tests (<i>individual splice insertion losses</i>)	
	1. <i>splice loss shall not be above 0.1 dB for fusion and 0.2 dB for mechanical splices; and</i>	
	2. <i>connectors shall have insertion losses of 0.5 dB or less.</i>	
	v. All test equipment that will be used for this project shall have updated calibration certificates to ensure accuracy of results. Contractor is required to submit calibration certificates prior to testing.	
	b) Link Loss Requirements	
	During the design stage a link loss calculation shall be prepared and included with the project proposal and design packages. The link loss budget shall include:	
	a. Total fiber attenuation (loss).	
	b. Splice loss (including pigtail splices, if pigtails are used).	
	c. Connector loss.	
	d. The calculated dB loss cannot exceed the operating range of the terminal equipment that will be installed. Measured end-to-end loss should measure less than the calculated loss. Fibers that measure a higher loss than the link loss budget will not be accepted.	
	c) Contractor Performance and Workmanship	
	a. The DOST-ICT Office will issue provisional and final acceptance certificate to the Contractor, certifying that the scope of work has been performed and accomplished in accordance with the approved plans and specification schedules, variation orders if any, and other related contract document.	



	<p>b. The Contractor likewise agrees to correct any defect accruing after the final acceptance of the site facility under the project within the guarantee period. Effective duration shall be one (1) year commencing from the date of final acceptance by DOST-ICT Office.</p>	
<p>MAINTENANCE OF FOC NETWORK IN THREE (3) REGIONAL GOVERNMENT CENTERS (TUGUEGARAO, PAMPANGA, AND ILOILO) FOR TWO (2) YEARS</p>		
	<p>Note: The maintenance of FOC Network will start once the project is 100% accepted.</p>	
	<p>1. <u>SCOPE OF WORK</u></p>	
	<p>The work includes the following services to be rendered by the Contractor to ensure the continuous operation of the FOC Network:</p>	
	<ul style="list-style-type: none"> • Daily physical inspections of the coverage area. 	
	<ul style="list-style-type: none"> • Inspection at least every quarter per year of routes covering all agencies connected. 	
	<ul style="list-style-type: none"> • 24/7 maintenance team. 	
	<ul style="list-style-type: none"> • Monthly maintenance report. In case of problems encountered and restorations are being done, a separate incident report shall be accomplished. 	
	<ul style="list-style-type: none"> • Restoration and replacement of damaged FOC. 	
	<ul style="list-style-type: none"> • Repair or restoration of ODF. 	
	<ul style="list-style-type: none"> • Replacement, relocation, straightening, and erection of poles. 	
	<ul style="list-style-type: none"> • Repair of damaged duct system. 	
	<ul style="list-style-type: none"> • Re-tensioning and separation of FOC to powerline. 	
	<ul style="list-style-type: none"> • Replacement of FOC pigtail and/or patchcord at the ODF. 	
	<ul style="list-style-type: none"> • Replacement of network equipment (active equipment) and ODF. 	
	<ul style="list-style-type: none"> • Re-tensioning of FOC. 	
	<ul style="list-style-type: none"> • Straightening of leaning concrete poles. 	
	<ul style="list-style-type: none"> • Replacement, relocation, and erection of concrete poles. 	
	<ul style="list-style-type: none"> • Replacement of stolen and burned FOC. 	
	<ul style="list-style-type: none"> • Re-labeling of pole tags. 	
	<ul style="list-style-type: none"> • Re-grounding. 	
	<ul style="list-style-type: none"> • Tree or branch-trimming, if necessary. 	
	<ul style="list-style-type: none"> • Restoration and replacement of damaged microducts. 	
	<ul style="list-style-type: none"> • Maintenance of a warehouse for safe keeping of spare materials. 	
	<ul style="list-style-type: none"> • 24/7 on-call or standby service crew for immediate response in case of network failure. 	
	<p>1. <u>RESPONSE AND REPORT TIME TARGET</u></p>	
	<p>The Contractor shall consider all interruptions in service as urgent.</p>	



Expected response and repair time are given in the table below:			
<i>Hours/Days of Coverage</i>		<i>Response Time</i>	<i>Restoration</i>
		<i>Maximum time to respond</i>	<i>Maximum time to up the network</i>
<i>24 x 7 x 365 Days</i>	<i>Monday to Sunday</i>	<i>1 hour</i>	<i>6 hours from the issuance of trouble ticket</i>
III. MANPOWER REQUIREMENTS			
The personnel must be properly trained to use such equipment and do the troubleshooting and restoration and must be available on a moment's notice.			
In order to effectively maintain the FOC Network, maintenance personnel, at the minimum, must include the following:			
San Fernando Area			
1 One (1) Project engineer or coordinator			
2 One(1) FOC team consisting of seven (7) personnel			
1. One (1) OSP supervisor			
2. Two (2) Linemen			
3. Two (2) Splicers or commissioning personnel			
4. Two (2) Support personnel			
Tuguegarao Area			
1. One (1) Project field engineer or coordinator			
2. One (1) FOC team consisting of seven (7) personnel			
1. One (1) OSP supervisor			
2. Two (2) Linemen			
3. Two (2) Splicers or commissioning personnel			
4. Two (2) Support personnel			
Iloilo Area			
1.2. One (1) Project field engineer or coordinator			
1.3. One (1) FOC team consisting of seven (7) personnel			
1. One (1) OSP supervisor			
2. Two (2) Linemen			
3. Two (2) Splicers or commissioning personnel			
4. Two (2) Support personnel			
IV. TOOLS, EQUIPMENT, AND MATERIAL REQUIREMENTS			
As part of the activity, the following equipment, facilities, tools, and materials must be available at all times.			
#	Qty	Unit	Description
1	1	set	Arc Fusion Machine
2	1	set	Optical Loss Test Set (Power Meter and Light Source)

	3	1	set	Optical Time Domain Reflectometer (OTDR)	
	4	2	sets	Fiber Extension Ladder 24 feet length	
	5	2	sets	Lineman safety belts	
	6	2	sets	Lineman Tool Kit	
	7	1	set	Cable jack/trailer	
	8	2	sets	Digging bar, shovel, clamshell digger,	
	9	2	sets	Carpentry Tools	
	10	2	pcs.	Wheel meter	
	11	2	pcs.	Cable Cutter	
	12	2	pcs.	Messenger wire cutter	
	And other necessary tools and equipment needed for maintenance of FOC				
	1. List of Tools and Equipment				
	Contractor must have the following tools and equipment to do such restoration activities in each area:				
	1.2. San Fernando				
	#	Qty	Unit	Description	
	1	1	set	Arc Fusion Machine	
	2	1	set	Optical Loss Test Set (Power Meter & Light Source)	
	3	1	set	Optical Time Domain Reflectometer (OTDR)	
	4	2	sets	Fiber Extension Ladder 24 feet length	
	5	2	sets	Lineman safety belts	
	6	2	sets	Lineman Tool Kit	
	7	1	set	Cable jack/trailer	
	8	2	sets	Digging bar, shovel, clamshell digger,	
	9	2	sets	Carpentry Tools	
	10	2	pcs.	Wheel meter	
	11	2	pcs.	Cable Cutter	
	12	2	pcs.	Messenger wire cutter	
	And other necessary tools and equipment needed for maintenance of FOC				
	1.3. Tuguegarao				
	#	Qty	Unit	Description	
	1	1	set	Arc Fusion Machine	



	2	1	set	Optical Loss Test Set (Power Meter & Light Source)	
	3	1	set	Optical Time Domain Reflectometer (OTDR)	
	4	2	sets	Fiber Extension Ladder 24 feet length	
	5	2	sets	Lineman safety belts	
	6	2	sets	Lineman Tool Kit	
	7	1	set	Cable jack/trailer	
	8	2	sets	Digging bar, shovel, clamshell digger,	
	9	2	sets	Carpentry Tools	
	10	2	pcs.	Wheel meter	
	11	2	pcs.	Cable Cutter	
	12	2	pcs.	Messenger wire cutter	
	And other necessary tools and equipment needed for maintenance of FOC				
	1.4. Iloilo				
	#	Qty	Unit	Description	
	1	1	set	Arc Fusion Machine	
	2	1	set	Optical Loss Test Set (Power Meter & Light Source)	
	3	1	set	Optical Time Domain Reflectometer (OTDR)	
	4	2	sets	Fiber Extension Ladder 24 feet length	
	5	2	sets	Lineman safety belts	
	6	2	sets	Lineman Tool Kit	
	7	1	set	Cable jack/trailer	
	8	2	sets	Digging bar, shovel, clamshell digger,	
	9	2	sets	Carpentry Tools	
	10	2	pcs.	Wheel meter	
	11	2	pcs.	Cable Cutter	
	12	2	pcs.	Messenger wire cutter	
	And other necessary tools and equipment needed for maintenance of FOC				
	2. FOC Network Maintenance Supplies for the Three (3) Regions				
	Listed in the table are the common materials necessary for the maintenance of the network.				

#	Qty	Unit	Description
1	9	drums	96 core, FOC, SM, 1310, Air blown or underground or buried fiber (depending on what type of fiber to be installed) 4km/drum
2	9	drums	48 core, FOC, SM, 1310. Self-support (depending on what type of fiber to be installed), 4km/drum
2	90	sets	FOC Splice Closure-48 core
3	300	pcs.	Patch Cord, LC/LC
4	9000	mtrs.	4-way micro-duct, HDPE
5	3	lots	Different size of pole clamps (10 each)
6	3	lots	Different types of suspension clamps (10 each)
7	300	pcs.	Messenger/Guy grip
Other necessary materials for cable attachments on aerial/underground			
Note: All the above mentioned materials shall be made available at the time of the Final Acceptance.			
3. Others			
3.1. Vehicles per Region			
Contractor must have the following vehicles to mobilize necessary tools and materials that will be used in the maintenance of the network in each of the provinces:			
3.1.1. One (1) Splicing Van with Ladder rack/holder			
3.1.2. One (1) Bucket/Boom Truck			
3.1.3. One (1) Service Vehicle with Ladder rack/holder			
3.2. Warehouse (ICTO will provide a 300 square meter open space)			
Contractor is required to maintain the quantity of materials in its storage warehouse. Warehouseman must always update and maintain a record of the list of components and materials, and prepare reports when stocks are being used. <u>In case of any loss or damages on the materials provided by ICTO, the Contractor or the winning Maintenance Provider will be accountable and must immediately replace the said materials.</u>			
3.3. Personnel Protective Equipment (PPE) and Safety Devices			
Contractor must also provide and ensure that all personnel are wearing proper PPE at all times and use safety devices in their working area to avoid any accident.			
b) FIBER OPTIC CABLE SPECIFICATIONS			
2. General Scope:			
This covers the minimum requirement of single mode optical fiber cables for the iGovPhil Regional FOC Network as per ITU-T			



	Recommendation G.652d standard.	
	All the terms used in this specification of single-mode optical fiber cable shall be as defined in the latest ITU-T Recommendation G.652d.	
	Characteristics not clearly defined in these specifications shall comply with the latest ITU-T G.652d recommendation.	
	1.3.1. Cable Construction: General considerations	
	The basic purpose is to keep transmission and mechanical strength properties stable in the course of the cable manufacturing process, cable installation work and operation.	
	Optical fiber cables offered must be able to withstand all possible weather conditions in the Philippines when used outside the plant and installed aboveground or underground. The optical fiber cables and accessories offered must be mechanically strong and chemically resistant to be suitable for use under extreme external conditions.	
	1. Design Consideration	
	The <u>maximum</u> number of optical fibers in a loose tube shall be 12 for cables 48-fiber and above. This requirement must be strictly complied.	
	The loose tubes and interstices of cable core shall be filled with a suitable compound that could prevent penetration of water over a long period. Information on the material used for the filling compound shall be stated by the manufacturer.	
	1.1 Figure-8/Self-support Fiber optic cable	
	1.1.1. Cable Sheath	
	1.1.1.1. Black HDPE, a compound of PE and carbon black shall be used for the cable sheath	
	1.1.1.2. The moisture barrier shall consist of a longitudinally applied laminate of polymer coated aluminum foil.	
	1.1.1.3. A rip cord having a minimum breaking load of 150N shall be laid beneath the outer sheath to facilitate access to the fiber.	
	1.1.1.4. Cable sheath marking shall be as follows:	
	a. Property of DOST Philippines;	
	b. Manufacturer's Name and Fiber Count;	
	c. Date of Manufacture;	
	d. Length Marker; and	
	e. Fiber type: SM	
	1.1.1.5. The completed cable shall have sequentially numbered length markers at regular intervals of one meter (1.0m).	
	1.1.1.6. The figure-8/self-support optical	

	fiber cable shall have 3.2mm thick yellow stripe marked continuously on the sheath.	
	1.1.2. Strength Member	
	1.1.2.1. One or more strength members shall be incorporated into a cable structure designed to carry the tensile load associated with installation.	
	1.1.2.2. The fiber reinforced plastic (FRP), serving mainly as the central strength member must be laminated with an MDPE-Jacket to prevent disintegration or breakage of plastic materials used.	
	1.2. Air-blown Microfiber optic cable	
	1.2.1. Cable Sheath	
	1.2.1.1. Black HDPE, a compound of PE and carbon black shall be used for the cable sheath.	
	1.2.1.2. The moisture barrier shall consist of a longitudinally applied laminate of polymer coated aluminum foil.	
	1.2.1.3. A rip cord having a minimum breaking load of 150N shall be laid beneath the outer sheath to facilitate access to the fiber.	
	1.2.1.4. Cable sheath marking shall be as follows;	
	a. Property of DOST Philippines;	
	b. Manufacturer's Name and Fiber Count;	
	c. Date of Manufacture;	
	d. Length Marker; and	
	e. Fiber type: SM	
	1.2.1.5. The completed cable shall have sequentially numbered length markers at regular intervals of one meter (1.0m)	
	1.2.2. Strength Member	
	1.2.2.1. One or more strength members shall be incorporated into a cable structure designed to carry the tensile load associated with installation.	
	1.2.2.2. The fiber reinforced plastic (FRP), serving mainly as the central strength member must be laminated with an MDPE-Jacket to prevent disintegration or breakage of plastic materials used	
	1.1. Identification	
	1.1.1. The color coding of the loose tubes and the	

	individual fibers within each loose tube shall be as follows:			
	Tube No./ Fiber No.	Fiber Color	Tube Color	
	1	Blue	Blue	
	2	Orange	Orange	
	3	Green	Green	
	4	Brown	Brown	
	5	Slate	Slate	
	6	White	White	
	7	Red	Red	
	8	Black	Black	
	9	Yellow	Yellow	
	10	Violet	Violet	
	11	Rose	Rose	
	12	Aqua blue	Aqua Blue	
	2. Packing of Cables			
	<p>2.1. Cable protection shall include, as a minimum, a covering placed between the cable reel flanges and over the exposed layer of the cable. The covering shall be weather resistant and shall limit solar heating of the cable such that the cable surface temperature does not exceed 10°C above ambient temperatures under maximum solar radiation.</p>			
	<p>2.2. The cable ends shall be accessible for testing, and securely fastened to the reel to prevent the cable from becoming loose in transit or during cable installation.</p>			
	<p>2.3. End caps shall be securely installed to both cable ends to prevent escape of filling compound and entry of moisture during shipping, handling, and storage.</p>			
	<p>2.4. The manufacturer shall state the size of cable drums used for the purpose of packing the offered single mode optical fiber cables. The minimum diameter of spool of the cable drums shall be at least 20 times the cable diameter.</p>			
	<p>2.5. The spindle hole of each cable drum shall be greater than 100mm.</p>			
	<p>2.6. Cable length per reel /drum must be continuous.</p>			
	3. Cable Size			
	The manufacturer shall state the outer diameter of the various sizes of the single mode fiber optic cables offered, subject to DOST-ICT Office's approval.			
	c) <u>HANDLING AND STORAGE OF FIBER OPTIC CABLES, EQUIPMENT, FACILITIES, AND MATERIALS</u>			



	The Contractor shall ensure that all FOC, equipment, and materials necessary for the project are properly handled and secured.	
	1. As part of the Contract, Contractor must acquire storage house (warehouse) in 3 identified provinces to keep and secure all necessary materials and facilities prior to installations.	
	2. Contractor must submit handling and storage procedures, particularly of the fiber optic cable. This also includes the shipment or transfer of FOC when necessary.	
	d) CONTRACTORS MUST SUBMIT THE FOLLOWING DURING POST QUALIFICATION:	
	3. <u>Contractor's Qualifications:</u>	
	1.1. Written statement of the contractor, signed by its authorized representative, that it has at least 10 years of direct experience on planning, engineering, supply and delivery, installation, testing and commissioning, and experience in operations and maintenance of optical fiber transmission backbone projects/systems with major telecommunications carriers in the Philippines.	
	1.2. The Contractor shall submit the resume of key personnel to be assigned to the project.	
	1.3. Must hold a PCAB License on Communications Facilities for a minimum of 5 consecutive years from the date of <i>Bid Opening</i> . (In case of renewal, the bidder must submit PCAB application and Official Receipt)	
	2. <u>Fiber Optic Cable Specifications:</u>	
	2.1. The Contractor must provide to DOST-ICT Office the detailed specifications of its offered fiber optic cable (FOC) vis-à-vis to comply with ITU-T Recommendation G.652d.	
	2.2. The Contractor must submit a manufacturer's ISO certification or other internationally accepted third party certifying authority of offered FOC.	
	2.3. The optical fiber cables shall have an expected shelf life span of <u>more than</u> forty (40) years. Contractor must submit a manufacturer's certification stating the life span of the offered single-mode fiber cables and provide information on how the life span of the offered optical fiber cables was determined.	
	2.4. The Contractor must submit a brochure of its offered FOC.	

	3. <u>Design Concept</u>	
	For the design concept in hard copy, the following must be included:	
	3.1. The proposed Contractor's Fiber Network Infra Map/Diagram as basis for implementation, duly signed by a licensed Professional Electronics and Communication Engineer (PECE).	
	3.2. Link Loss Budget Calculation from nodes to nodes: <i>(Note: Link loss budget calculation from nodes to nodes should not be more than 6db at 1310nm).</i>	
	Formula in computing the budget loss calculation: cable loss + splice losses + connector losses = Budget loss calculation Wherein: cable loss = db/km x km splice, loss = db/splice x number of splice	
	4. Integrated Project Plan showing the following: <i>(Letters a-d should be in Gantt Chart format)</i>	
	4.1. Critical Tasks;	
	4.2. Milestones;	
	4.3. Dependencies;	
	4.4. Logs/Slippages (%);	
	4.5. Manpower Schedule;	
	4.6. Equipment Utilization; and	
	4.7. Organizational Chart	
	The schedule of activities must be within the <i>one hundred eighty (180)</i> calendar days' completion period of the project.	
	5. Preventive Maintenance Plan for the FOC Network Maintenance in two (2) years.	
	6. Payment Terms and Conditions	
	a. For FOC Network Maintenance Supplies and Materials to be delivered by the winning bidder, full payment will be made upon the acceptance of the delivery.	
	b. For Maintenance of ICTO-DOST Fiber Optic Cable (FOC) Networks in Tuguegarao , San Fernando Pampanga and Iloilo, payment will be made every three (3) months.	
	c. For the Design, Supply, Delivery, Installation, Splicing, Testing, Commissioning of Brand New Fiber Optic Cable Network in Three (3) Regional Government Centers, payment will be made in partial terms which is describe below:	
	1. 20% payment – After the contractor installed 20% of the Total FOC km. in each region (Contractor must issue Bank Guarantee equivalent to 20% of the Contract Price)	
	2. 40% payment- After the contractor installed	



	another 40% of the Total FOC km.in each region (Contractor must issue Bank Guarantee equivalent to 40% of the Contract Price)	
	3. 40% payment- After Project Completion and Acceptance	

Name of Company	Signature Over Printed Name Of Authorized Representative	Date
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Revised Annex IV

(page 1 of 5)

PLEASE USE THIS BID FORM. DO NOT RETYPE OR ALTER.		
INFORMATION AND COMMUNICATIONS TECHNOLOGY OFFICE		
DESIGN, SUPPLY, DELIVERY, INSTALLATION, SPLICING, TESTING, COMMISSIONING, OPERATION AND MAINTENANCE OF BRAND NEW FIBER OPTIC CABLE NETWORK IN THREE (3) REGIONAL GOVERNMENT CENTERS		
BAC4IGOV-2015-10-053 (NEGO)		
REVISED TECHNICAL PROPOSAL FORM		
INSTRUCTION TO THE SUPPLIER: Indicate "COMPLY" (per line number) under Supplier's Statement of Compliance if Supplier can meet the technical specifications and project requirements. DO NOT LEAVE ANY BLANK. A "YES" or "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED".		
Line No.:	Project Requirements	Supplier's Statement of Compliance
1	ICT Office's Technical Specifications per attached Section VI for the Design, Supply, Delivery, Installation, Splicing, Testing, Commissioning, Operation and Maintenance of Brand New Fiber Optic Cable Network in Three (3) Regional Government Centers	
2	Brand and Model No.: _____ _____ _____	
<p style="text-align: center;">BIDDER'S UNDERTAKING</p> <p>I/We, the undersigned Supplier, having examined the Bidding Documents including Bid Bulletins, as applicable hereby OFFER to (supply/deliver/perform) the above described items.</p> <p>I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, this Bid is binding on us.</p>		
Name of Company (in print)		
Signature of Company Authorized Representative		
Name and Designation (in print)		
Date		



Revised Annex IV
(page 2 of 5)

PLEASE USE THIS BID FORM. DO NOT RETYPE OR ALTER.		
INFORMATION AND COMMUNICATIONS TECHNOLOGY OFFICE		
DESIGN, SUPPLY, DELIVERY, INSTALLATION, SPLICING, TESTING, COMMISSIONING, OPERATION AND MAINTENANCE OF BRAND NEW FIBER OPTIC CABLE NETWORK IN THREE (3) REGIONAL GOVERNMENT CENTERS		
BAC4IGOV-22015-10-053 (NEGO)		
REVISED TECHNICAL PROPOSAL FORM		
INSTRUCTION TO THE SUPPLIER: Indicate "COMPLY" (per line number) under Supplier's Statement of Compliance if Supplier can meet the technical specifications and project requirements. DO NOT LEAVE ANY BLANK. A "YES" or "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED".		
Line No.:	Other Requirements	Supplier's Statement of Compliance
3	Supplier has no overdue deliveries or unperformed services intended for the ICT Office	
4	Supplier did not participate as consultant in the preparation of the design or technical specifications of the GOODS as subject of the bid	
BIDDER'S UNDERTAKING		
<p>I/We, the undersigned Supplier, having examined the Bidding Documents including Bid Bulletins, as applicable hereby OFFER to (supply/deliver/perform) the above described items.</p> <p>I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, this Bid is binding on us.</p>		
<div style="border: 1px solid black; width: 100%; height: 40px; margin-bottom: 5px;"></div> Name of Company (in print)		
<div style="border: 1px solid black; width: 100%; height: 40px; margin-bottom: 5px;"></div> Signature of Company Authorized Representative		
<div style="border: 1px solid black; width: 100%; height: 40px; margin-bottom: 5px;"></div> Name and Designation (in print)		
<div style="border: 1px solid black; width: 100%; height: 40px; margin-bottom: 5px;"></div> Date		



Revised Annex IV
(page 3 of 5)

PLEASE USE THIS BID FORM. DO NOT RETYPE OR ALTER.

INFORMATION AND COMMUNICATIONS TECHNOLOGY OFFICE

DESIGN, SUPPLY, DELIVERY, INSTALLATION, SPLICING, TESTING, COMMISSIONING, OPERATION AND MAINTENANCE OF BRAND NEW FIBER OPTIC CABLE NETWORK IN THREE (3) REGIONAL GOVERNMENT CENTERS

BAC4IGOV-2015-10-053 (NEGO)

REVISED TECHNICAL PROPOSAL FORM

INSTRUCTION TO THE SUPPLIER: Indicate **"COMPLY"** (per line number) under **Supplier's Statement of Compliance** if Supplier can meet the technical specifications and project requirements. DO NOT LEAVE ANY BLANK. A "YES" or "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED".

Line No.:	Project Requirements If Awarded the Contract	Supplier's Statement of Compliance
5	Delivery Place and Distribution ICT Office Building, Carlos P. Garcia Avenue, UP Diliman, Quezon City	
6	Delivery and Installation Period Detailed work plan, including milestones and critical tasks, in implementing the project within the allotted one hundred eighty (180) calendar days from date of issuance of Notice to Proceed (NTP).	

BIDDER'S UNDERTAKING

I/We, the undersigned Supplier, having examined the Bidding Documents including Bid Bulletins, as applicable hereby OFFER to (supply/deliver/perform) the above described items.

I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security **within ten (10) calendar days** from receipt of the Notice of Award.

Until a formal contract is prepared and signed, this Bid is binding on us.

Name of Company (in print)
Signature of Company Authorized Representative
Name and Designation (in print)
Date



Revised Annex IV

(page 4 of 5)

PLEASE USE THIS BID FORM. DO NOT RETYPE OR ALTER.		
INFORMATION AND COMMUNICATIONS TECHNOLOGY OFFICE DESIGN, SUPPLY, DELIVERY, INSTALLATION, SPLICING, TESTING, COMMISSIONING, OPERATION AND MAINTENANCE OF BRAND NEW FIBER OPTIC CABLE NETWORK IN THREE (3) REGIONAL GOVERNMENT CENTERS BAC4IGOV-2015-10-053 (NEGO) REVISED TECHNICAL PROPOSAL FORM		
INSTRUCTION TO THE SUPPLIER: Indicate " COMPLY " (per line number) under Supplier's Statement of Compliance if Supplier can meet the technical specifications and project requirements. DO NOT LEAVE ANY BLANK. A "YES" or "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED".		
Line No.:	Project Requirements If Awarded the Contract	Supplier's Statement of Compliance
7	Operations and Maintenance Manual To submit Operation and Maintenance Manual upon completion of the project (in CD and hard copy).	
8	Replacement of Defective Items Replacement of defective items delivered within fifteen (15) calendar days from receipt of Notice of Defects from ICT Office. Service unit must be provided while awaiting replacement.	
<p style="text-align: center;">BIDDER'S UNDERTAKING</p> <p>I/We, the undersigned Supplier, having examined the Bidding Documents including Bid Bulletins, as applicable hereby OFFER to (supply/deliver/perform) the above described items.</p> <p>I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, this Bid is binding on us.</p>		
Name of Company (in print)		
Signature of Company Authorized Representative		
Name and Designation (in print)		
Date		



Revised Annex IV
(page 5 of 5)

PLEASE USE THIS BID FORM. DO NOT RETYPE OR ALTER.		
INFORMATION AND COMMUNICATIONS TECHNOLOGY OFFICE		
DESIGN, SUPPLY, DELIVERY, INSTALLATION, SPLICING, TESTING, COMMISSIONING, OPERATION AND MAINTENANCE OF BRAND NEW FIBER OPTIC CABLE NETWORK IN THREE (3) REGIONAL GOVERNMENT CENTERS		
BAC4IGOV-2015-10-053 (NEGO)		
TECHNICAL PROPOSAL FORM		
INSTRUCTION TO THE SUPPLIER: Indicate "COMPLY" (per line number) under Supplier's Statement of Compliance if Supplier can meet the technical specifications and project requirements. DO NOT LEAVE ANY BLANK. A "YES" or "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED".		
Line No.:	Project Requirements If Awarded the Contract	Supplier's Statement of Compliance
9	Warranty Certificate issued in favor of ICT Office.	
BIDDER'S UNDERTAKING		
I/We, the undersigned Supplier, having examined the Bidding Documents including Bid Bulletins, as applicable hereby OFFER to (supply/deliver/perform) the above described items.		
I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security within ten (10) calendar days from receipt of the Notice of Award.		
Until a formal contract is prepared and signed, this Bid is binding on us.		
Name of Company (in print)		
Signature of Company Authorized Representative		
Name and Designation (in print)		
Date		



**ICT OFFICE BAC4IGOV
REVISED CHECKLIST OF REQUIREMENTS FOR SUPPLIERS**

Name of Company : _____

DESIGN, SUPPLY, DELIVERY, INSTALLATION, SPLICING, TESTING, COMMISSIONING, OPERATION AND MAINTENANCE OF BRAND NEW FIBER OPTIC CABLE NETWORK IN THREE (3) REGIONAL GOVERNMENT CENTERS

**Bid Ref No. BAC4IGOV-2015-10-053 (NEGO)
APPROVED BUDGET FOR THE CONTRACT: PHP113,401,722.00**

Ref. No.	Particulars	
ENVELOPE 1: ELIGIBILITY AND TECHNICAL DOCUMENTS		
ELIGIBILITY DOCUMENTS		
CLASS "A" DOCUMENTS		
12.1	(a.1.) ELIGIBILITY DOCUMENTS	
	i.	Registration certificate from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives
	ii.	Business/Mayor's permit for 2015 issued by the city or municipality where the principal place of business of the prospective Supplier is located
	iii.	Valid and Current Tax Clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by the BIR.
	iv.	Statement of all its Ongoing (including awarded contract/s not yet started, if any) within the last three (3) Years, (Annex I)
	v.	Statement of Completed Single Largest Contract from January 2010 up to the day before the deadline for the submission bids of similar in nature equivalent to at least fifty percent (50%) of the ABC. Annex I-A
	vi.	Copy of 2014 Annual Income Tax Return submitted through BIR's Electronic Filing and Payment System (EFPS) together with the following Audited Financial Statements for 2014 and 2013 (in comparative form or separate reports): a) Copy of Independent Auditor's Report; b) Balance Sheet (Statement of Financial Position); c) Income Statement (Statement of Comprehensive Income); Each of the above statements must have stamped " received " by the Bureau of Internal Revenue (BIR) or its duly accredited and authorized institutions
	vii.	Duly signed Net Financial Contracting Capacity Computation (NFCC) per Annex II , in accordance with ITB Clause 5.5 $NFCC = [(Current\ Assets\ minus\ Current\ Liabilities)\ (K)]\ minus\ the\ value\ of\ all\ outstanding\ or\ uncompleted\ portions\ of\ the\ projects\ under\ ongoing\ contracts,\ including\ awarded\ contracts\ yet\ to\ be\ started\ coinciding\ with\ the\ contract\ to\ be\ bid.$ Where: K: 10 for a contract duration of one year or less, 15 for a contract duration of more than one year up to two years, and 20 for a contract duration of more than two years.

	<p>Notes:</p> <ol style="list-style-type: none"> The values of the Supplier's current assets and current liabilities shall be based on the data submitted to BIR through its Electronic Filing and Payment System. Value of all outstanding or uncompleted contracts refers those listed in Annex-I. The detailed computation using the required formula must be shown as provided above. 	
CLASS "B" DOCUMENTS (FOR JOINT VENTURE)		
	<p>ii. For Joint Ventures, Supplier to submit either:</p> <ol style="list-style-type: none"> Copy of the JOINT VENTURE AGREEMENT (JVA) in case the joint venture is already in existence, or Copy of Protocol / Undertaking of Agreement to Enter into Joint Venture signed by all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful. (Annex III) <p><u>The JVA or the Protocol/Undertaking of Agreement to Enter into Joint Venture (Annex III) must include/specify the company/partner and the name of the office designated as authorized representative of the Joint Venture.</u></p> <p>For Joint Venture, the following documents must likewise be submitted:</p> <p>For Joint Venture <u>Between Two (2) Local Companies</u>, each partner should submit:</p> <ol style="list-style-type: none"> Registration Certificate from the Securities and Exchange Commission (SEC) for corporations, Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives; Business/Mayor's permit for 2015 issued by the city or municipality where the principal place of business of the prospective Supplier is located; Valid and Current Tax Clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by the BIR. 	
	<p>For item (iv) to (vii) of the required eligibility documents, submission by any of the Joint Venture partner constitutes compliance.</p>	
TECHNICAL DOCUMENTS		
12.1 (b)(i)	<p>Duly signed and completed Technical Proposal Form. Supplier must use, accomplish and submit the Revised Technical Bid Form hereto attached as Revised Annex IV.</p>	
12.1 (b)(viii)	<p>Proof of Authority of the Supplier's authorized representative/s:</p> <ol style="list-style-type: none"> FOR SOLE PROPRIETORSHIP (IF OWNER OPTS TO APPOINT A REPRESENTATIVE): Duly notarized Special Power of Attorney FOR CORPORATIONS, COOPERATIVE OR THE MEMBERS OF THE JOINT VENTURE: Duly notarized Secretary's Certificate evidencing the authority of the designated representative/s. <p>IN THE CASE OF UNINCORPORATED JOINT VENTURE: Each member shall submit a separate Special Power of Attorney and/or Secretary's Certificate evidencing the authority of the designated representative/s.</p>	



12.1 (b)(ix)	Omnibus Sworn Statements using the form prescribed. (Annex V)		
	a) Authority of the designated representative		
	b) Non-inclusion of blacklist or under suspension status		
	c) Authenticity of Submitted Documents		
	d) Authority to validate Submitted Documents		
	e) Disclosure of Relations		
	f) Compliance with existing labor laws and standards		
g) Did not pay any form of consideration			
Section V.	Statement of compliance with the Revised Schedule of Requirements		
Section VI.	Statement of compliance with the Revised Technical Specifications		
ENVELOPE 2: FINANCIAL DOCUMENTS			
13.1 (a)	Completed and signed Financial Bid Form. Supplier must use, accomplish and submit Financial Bid Form hereto attached Annex VI.		
	Description	Qty	ABC P (VAT Inclusive)
	Negotiated Procurement for the Design, Supply, Delivery, Installation, Splicing, Testing, Commissioning, Operation and Maintenance of Brand New Fiber Optic Cable Network in Three (3) Regional Government Centers	1 lot	113,401,722.00
The ABC is inclusive of VAT. Any proposal with a financial component exceeding the ABC shall not be accepted. Further, the sum of bid for each item indicated in the Detailed Financial Breakdown per Annex VI-A must be equal to the signed and submitted Financial Bid Form per Annex VII.			
13.1 (a)	Financial Breakdown per Annex VI-A		
13.1 (b)	If the Supplier claims preference as a Domestic Supplier or Domestic Entity, a Certification from the DTI, SEC or CDA to be enclosed pursuant to the Revised IRR of R.A. 9184.		
15.4(a) (i) & 15.4(b) (ii)	Completed "For Goods Offered from Abroad" and/or "For Goods Offered From Within the Philippine" Forms per Annex VII-A and Annex VII-B, whichever is applicable.		
NOTE:	In case of inconsistency between the Checklist of Requirements for Suppliers and the provisions in the Instruction to Suppliers/Bid Data Sheet, the Instruction to Suppliers/Bid Data Sheet shall prevail		