

ITB 2017-171 – Addendum 1

Pre-bid Meeting Minutes – Addendum No 1

ITB 2017-171: Photovoltaic Solar System for Holly Family School and the Greek Orthodox Patriarchate School

Issue Date: 13 July 2017

Closing Date & time: 3 August 2017 at 10.00 a.m.

Extended Closing Date & time: N/A

Dear Bidders,

This correspondence pertaining to the above-mentioned project should be considered as an integral part of the tender documents. Below please find the UNDP/PAPP clarifications and an official reply to all inquiries raised by participant bidders following the pre-bid meeting/site visit which was held on **25 July 2017**.

The following clarifications are considered as Addendum No. 1 to the Invitation to Bid, which shall be deemed to form and be read as part of the tender:

1. All participating Bidders shall provide all Evaluation Criteria Requirements as shown in the Invitation to Bid.
2. Unit rate in USD or ILS not including VAT. All currencies of the received bids will be converted to USD based on the UNDP prevailing rate of exchange at date of bid opening (for comparison purposes only. Resulted contract with winning contractor will reflect the currency originally quoted by the contractor.
3. Bidders are solely responsible for the change of prices of the materials in the market as well as the fluctuation of USD. UNDP will not liquidate any damages related to this subject. Unit prices shall include any Bank Charges due to payments transfer.
4. Contractors shall provide labour insurance with an amount of 15% of the contract value, all as per resulting contract terms and conditions.
5. Payments to the contractors will be according to the submitted cash flow diagram.
6. The Maximum Expected duration of contract is 5 calendar months.
7. The Contractor shall be responsible for the maintenance of the subject works for a period of **(2) two calendar years** effective from the day of issuance of the Certificate of Substantial Completion of the Works.
8. All imported materials or equipment, submitted by the contractor as substitute to the specified, will be accepted and considered equally approved as long as they are:
 - ② equal in quality, durability and efficiency, all to UNDP engineer judgment.
 - ② represented in the country by a reputable, qualified and credible agent.
9. Winning Contractor will be responsible for the submission of safety procedure plan for approval. Safety measures are an important part of the project. All workers on site shall use safety tools and wear Safety uniforms, to be all in accordance with contract Safety requirements (Section 12 of the ITB) and UNDP' Engineer instructions. The bidders shall include in their prices the provision of the necessary insurances for the project in accordance with the general terms and condition of contract, and enough to cover the expected risk in the works. As per clause 23 of the general conditions, the contractor is obligated to furnish the insurance policies before commencing the Works.
10. Working hours for the project is from 08 a.m. to 3 p.m., Sunday through Thursday. No work on Saturdays. Contractor who needs to work after these times must take the prior approval of the engineer.
11. Bidders shall furnish, when requested, price analysis for any or all items in the Bill of Quantities.

12. The Winning Contractor shall be responsible for installing and fixing two (2) signboards of size 350x200cm to be located on places indicated by UNDP Site Engineer.
13. The contractor must directly start the purchase of all materials in the bill of quantities within 10 days from receiving the approval of materials, and he must provide the UNDP with all the required documents which confirm the purchase of materials with invoices and LC of the bank. In case the contractor has delayed in issuance of purchase order for the materials, UNDP has the full right to terminate the contract without bearing financial implications.
14. Throughout the whole implementation period, **one fresh** engineer of three years' experience will be paid an amount of **USD 650** per month. The engineer will be appointed by the supervision and report directly to the supervision team to manage the materials accessed through the UNDP mechanism.
15. A rented car model 2015 at least is to be available along the project working day for the use of the supervision team only, including **1000 NIS** for fuel per month. In addition to **300 NIS** for communication per month.
16. The winning contractor must consider all the obstacles that will face on the school's roofs such as water tanks, solar system including all mirrors, stands and all other components, water and electrical network, air-condition units and any other obstacles. And he will be responsible for dismantling, removing and re-installing them in other places and operate them successfully to provide the required space to install the structures for the photovoltaic panels. Also, the contractor must repair any damages in the insulation works and make inspections after installation if required. All works will be in close coordination with owners.
17. **The Wining Contractor shall secure all construction materials from the local markets within the mobilization period and store them at site.**
18. In case UNDP imposes suspension longer than one (1) month on the project at one incidence at a time, only the following will be paid for:
 - Security guard for the project if needed.
 - Cost of extension of insurance policy and bank guarantees.
 - Salary of the project manager.

All project equipment will not be compensated for, as well as any incurring costs related to staff or subcontractors. The maximum period of suspension will not be more than 60 days at maximum. When suspension is released, the Contractor will be allowed seven (7) days for re-mobilization and the period of contract will be extended accordingly.
19. UNDP has the right to exclude any bidder who has current work load that may put the implementation of the project under high risk.
20. UNDP confirms that the technical staff should be engaged on site on full time basis and have the sufficient experience and capabilities of carrying out their duties. UNDP will deduct the amount of **US\$ 25** for each day of the absence of any member of technical staff in the interim payments to the contractor and these discounts non-refundable.
21. The contractor shall take his precautions during the excavation for the foundation so that the existing infrastructure and facilities are not damaged. In case any damage occurred to the infrastructure and facilities, the contractor should remedy this damage on his own expense.
22. Since more than one Contractor will be available on site at the same time, the Wining Contractor shall coordinate with the other Contractors to facilitate accessibility and other work-related issues.
23. UNDP will facilitate the coordination of access to materials required for the project (dual-use materials such PV solar cells, Batteries, inverters, cables, tools equipment's, or any material that need to access coordination for PV solar system only). In case of coordination for the dual-use items process failed after signing the contract and before the actual start of the preparatory work, UNDP is entitled to terminate the contract without any financial obligations resulting from termination of the contract process.

24. The Contractor shall provide an accurate inventory of the quantities of materials that need coordination and of dual-use previously mentioned to be reviewed and approved by the United Nations Development Programme UNDP.
25. Before giving the order to commence work, a plan of action for the supply of materials in batches adequate with the implementation schedule of activities at the site. The time between the entry of materials and their use in the project work for should not exceed two weeks. The materials will be transferred under the supervision of UNDP to UNDP stores at Karni industrial zone where it will be stored and will be discharged according to the work plan and schedule only in the quantities needed for work. The coordination process of the materials will be done in stages such that not to exceed the time limit for the use of materials in two weeks.
26. The contractor shall not be allowed to use the dual-use items without taking the written consent and under the clear and comprehensive control of UNDP engineers and UNDP team of coordination for materials. A comprehensive action coordination plan within the concrete factories and site with all approved documentation for the process of using the material will be prepared to constitute the allocated measures to be followed in that regards.
27. In case of defected dual use materials, the contractor will prepare a plan for disposal. He will only implement the plan after authorized control, monitoring and documentation of UNDP access coordination team and after taking approvals on where and how to dispose of these materials.
28. The Contractor is fully responsible for any costs related to materials' upload, download at the Israeli border crossings such as Karim Shalom and the UNDP stores in Karni industrial zone. In addition, he will be bearing all costs of the transport of materials from the warehouse at the Karni to different work sites in the project or to approve factories if necessary that are expected on daily basis at the time of utilizing dual use materials. The above-mentioned costs include expenses of equipment and labour used in the loading and unloading.
29. UNDP access and supervision teams will be monitoring and examining the materials to ensure the quality of the works.
30. After the end of the project, excess quantities of materials will be returned back to the stores of UNDP and the contractor is allowed to sell the surplus to any other contractor who has approval for accessing materials for approved projects in full coordination with UNDP.
31. The contractor shall submit commitment (stamp and signature) to preserve the material within the site or factories. In case of any violations or misuse of dual use materials accessed UNDP without prejudice will terminate the contract and the contractor will be excluded from involvement in projects of UNDP in the future.
32. The Contractor is fully responsible for the protection and preservation of the quantities supplied materials, on-site. The Contractor shall bear all relevant costs in that regards.
33. A site visit was made on the same day of pre-bid meeting.
34. The winning contractor is responsible for obtaining at its own risk and expense any export/import licenses or other official authorization and carry out all customs formalities necessary for the export/import of the goods. **UNDP will be only responsible for obtaining the approvals on VAT exemption from the relevant authorities.**
35. The cable trays for outdoor use are included in the items and must be Hot galvanized appropriately sized, Ventilated or Perforated type with cover for outdoor use to protect the DC cables from the PV cells to the battery room and inside the room, complete with all needed clamps, accessories, screws, labels to complete the job.
36. For Battery Banks in Technical specification: The cycle life at 20°C @ 50% DOD is around 2800-3000 cycle. And must divided in two strings at minimum.
37. The Photovoltaic Solar system components such (Inverters, battery inverters and all other components) must be European made not China and manufactured according EU CE and only the batteries must be Germany made as per the attached specifications.



38. For The hot galvanized mounting structure, must be 50*50*5mm hot galvanized steel angles for the main structure (Legs, frames) and 40*40*4mm for other supports. The contractor must provide calculations and detailed shop drawings with samples for the structure (hot galvanized or Aluminium) of the PV modules for the approvals.
39. The Contractor must provide all required tender documents for the technical evaluation, such as Single Line Diagram, Original Catalogues for the system components indicating the proposed type in Catalogues for each component, calculations schedules, PV Structure Drawings, Delivery Schedule and Appropriateness of the Implementation Timetable to Project Schedule.
40. The price for the same items in different BOQs must be the same rate. In case of the difference prices we will select the lowest price.
41. For Rosary School, the technical and financial study from GEDCO for the Enlargement of the existing power electricity subscription from 3x100A to 3x400A and Upgrading electricity network are attached from GEDCO, and the contractor must implement these items 6.1 & 6.2 through GEDCO co. and there is no access coordination for these materials.

Interested bidders shall acknowledge receipt of this addendum/pre-bid minutes by returning/including it, signed and stamped, with their bids.

For your kind attention and reference,

Sincerely Yours,

Khaled Shahwan
Officer-in-Charge

United Nations Development Programme
Programme of Assistance to the Palestinian People

Ref. No :

رقم الإشارة : ش.ت. 17/04/467

Date :

التاريخ : 2017/04/11

المحترمين

السادة/ مدرسة راهبات الوردية

تحية طيبة وبعد،،،

الموضوع:- مطالبة مالية

مشروع تركيب شبكة ضغط متوسط هوائية ومحول لزوم تكبير اشتراك كهرباء مدرسة راهبات الوردية

تهديكم شركة توزيع كهرباء محافظات غزة أسمى تحياتها وبالإشارة للموضوع أعلاه، نفيدكم علماً بأن الشركة قامت بإعداد الدراسة الفنية والمالية اللازمة لتنفيذ مشروع تركيب شبكة ضغط متوسط هوائية ومحول لزوم تكبير اشتراك كهرباء مدرسة راهبات الوردية - مشروع رقم TD161855 وذلك وفق البيانات التالية :-

- تسديد تكاليف المشروع رقم TD161855 بتكلفة (109,053) شيكل أو توريد وتركيب مواد المشروع حسب مواصفات الشركة وتسديد أجره التخطيط والإشراف للشركة بتكلفة (5,453) شيكل .
- تسديد رسوم تكبير الاشتراك من 3*100 أمبير الى 3*400 أمبير والبالغة (25,820) شيكل .
- توفير 9.5 كوب باطون لزوم صب الأعمدة المقترحة .

• توريد وتمديد كابل ضغط منخفض أرضي يفي بالحمل المطلوب من سكينة الضغط المنخفض المقترحة على عامود المحول وحتى لوحة توزيع المدرسة وذلك بالتنسيق الكامل مع دائرة خدمات المشتركين في الشركة.

ملاحظة :- في حالة توريد المواد وتركيبها من قبل الجهة الطالبة يصبح المبلغ المطلوب دفعه هو (31,273) شيكل وذلك أجره التخطيط والإشراف بالإضافة لرسوم تكبير الاشتراك .

يرجى إجراء اتكم اللازمة نحو تسديد إجمالي المبلغ المطلوب لحساب شركة توزيع الكهرباء لدى بنك فلسطين الفرع الرئيسي - غزة حساب (527428) شيكل .

مع وافر الاحترام والتقدير،،،

م. سمير عبد الرزاق مطير
مدير عام شركة توزيع الكهرباء



مسؤول - دائرة المالية
- دائرة المالية
- مكتب

Print Date : 4/8/2017

22KV Distribution Line Components

Consumers Name :

تركيب شبكة ضغط متوسط هو انيتمو محول لزوم تكبير اشترالك كهرباء مدرسة راهبات الوردية

Prepared & Designed By

محمد ماجد إسماعيل هليل

Project No :TD161855

Checked By :

بسام محمد البس

Area : نزل الهوى

Checked By :

محمد ناهض عدنان سكيك

Trans. Name : زهوة

Approved By:

محمد ناهض عدنان سكيك

Type of Connection : 100-350A

Tec. Manager :

Date : 24/11/2016

Item	Code	Description	Unit	Status	Quantity	Unit Price NIS	Total NIS
Poles							
1	10101002	Hot Dip Galvanized Lattice Steel Pole 70/80 , 12m long	Pcs	جديد	1.00 ✓	6,900.00	6,900.00
2	10101007	Hot Dip Galvanized Channel Steel Pole U14 , 12m long	Pcs	جديد	1.00 ✓	3,850.00	3,850.00
Poles Bases							
3	10201002	Hot Dip Galvanized Steel Base for L.S.P 70/80 , 2.25 m Long	Pcs	جديد	1.00 ✓	1,670.00	1,670.00
4	10206001	Hot Dip Galvanized Steel Base for C.S.P U14 , 2.15 m Long Including Slabs	set	جديد	1.00 ✓	1,150.00	1,150.00
Arms							

Item	Code	Description	Unit	Status	Quantity	Unit Price NIS	Total NIS
5	10402003	Hot Dip Galvanized L.S.P Tension Side Arm , K63	Pcs	جديد	1.00 ✓	1,500.00	1,500.00
6	10404006	Hot Dip Galvanized C.S.P Suspension Side Arm K10045	Pcs	جديد	1.00 ✓	1,420.00	1,420.00
7	10407002	Hot Dip Galvanized M.V Switch Side Arm , K1555	Pcs	جديد	1.00 ✓	1,720.00	1,720.00
8	10408001	Hot Dip Galvanized Transformer Arm , K183	Pcs	جديد	1.00 ✓	1,380.00	1,380.00
9	10408002	Hot Dip Galvanized Transformer Clamp , K188	Pcs	جديد	4.00 ✓	80.00	320.00
10	10410001	Hot Dip Galvanized Protection Arm , K81	Pcs	جديد	6.00 ✓	58.00	348.00
11	10410002	Hot Dip Galvanized Protection Arm , K82_A with 3m Mustache	set	جديد	2.00 ✓	415.00	830.00
12	10410005	Hot Dip Galvanized Anti-Climbing for L.S.P , K113/8	set	جديد	1.00 ✓	460.00	460.00
13	10410006	Hot Dip Galvanized Anti-Climbing for C.S.P , K78/2	set	جديد	1.00 ✓	115.00	115.00
D_	Cables and Wires						
14	10503004	0.6/1 Kv Single Core Cable with XLPE Insulation and Stranded Copper Conductor 1x185 mm2	m	جديد	15.00 ✓	101.00	1,515.00
15	10506006	PVC Insulated Wire with Solid Stranded Copper Conductor 70 mm2 , Yellow/Green	m	جديد	12.00 ✓	34.00	408.00
16	10506015	Solid Copper Conductor 6 mm diameter	m	جديد	12.00 ✓	16.00	192.00
17	10507001	ACSR Conductor Type Rabbit	m	جديد	460.00 ✓	3.40	1,564.00
E_	Distribution Transformers						
18	10602005	22/0.4 KV Low Losses , 3 phase , Outdoor Distribution Transformer 400 KVA Rating	Pcs	جديد	1.00	43,000.00	43,000.00

Item	Code	Description	Unit	Status	Quantity	Unit Price NIS	Total NIS
F_		Switches					
19	10801001	36 KV , 3Phase Isolating Switch With Built-In Arc Interruption (Complete)	Pcs	جديد	1.00	10,300.00	10,300.00
20	10815002	L.V Switch Steel Box 400 A or 630 A	Pcs	جديد	1.00	665.00	665.00
21	10816003	L.T.L Horizontal Disconnector Core 400 A	Pcs	جديد	1.00	1,660.00	1,660.00
G_		Insulators					
22	11101026	Overhead Line Pin Type Suspension Polymer Insulator with Creepage Distance 800 mm Complete (Set for one Phase)	set	جديد	7.00	265.00	1,855.00
23	11102001	Earth line Low Tension Shackle Insulator Complete Unit	set	جديد	3.00	14.00	42.00
24	11103001	Overhead Line Ball and Socket type Toughened Tension Glass Disk Insulator with Creepage Distance 320 mm	Pcs	جديد	9.00	48.00	432.00
25	11103002	Overhead Line Tension Polymeric Composite Insulator with Ball and Socket and Creepage Distance 1050 mm	set	جديد	6.00	275.00	1,650.00
26	11106012	Heat Shrinkable Anti-Tracking Cable Breakout (125mm , 4 Outlet)	Pcs	جديد	1.00	58.00	58.00
27	11106013	Electrical Insulation Tape (1000v)	Roll	جديد	1.00	1.00	1.00
28	11106014	Flame Retardant Heat Shrinkable Tube 50/16 mm Color	m	جديد	2.00	21.00	42.00
H_		Clamps					
29	11301001	Strain Clamp for ACSR Wire 50/8 mm2 or Rabbit	Pcs	جديد	6.00	37.00	222.00

Item	Code	Description	Unit	Status	Quantity	Unit Price NIS	Total NIS
30	11303002	Copper Split-Bolt Connector with Hexagonal Head For Conductor 6/35 mm2 CU	Pcs	جديد	6.00	23.00	138.00
31	11305001	Aluminium Parallel Groove Clamp For Conductor 16/70 mm2 AL	Pcs	جديد	3.00	7.50	22.50
32	11305004	Aluminium Parallel Groove Clamp For Conductor 35/185 mm2 AL	Pcs	جديد	12.00	23.00	276.00
33	11306002	Aluminium Dead End Clamp For Conductor 50/70 mm2 AL	Pcs	جديد	2.00	29.00	58.00
34	11312001	Copper Connection Clamp Between Earth Rod and Earth Cable	Pcs	جديد	2.00	10.50	21.00
35	11313001	Hot Dip Galvanized V - Shaped Angle Clamp 3/8" , 32*65 mm2 Complete with Nuts and Washers	Pcs	جديد	4.00	15.00	60.00
36	11316001	Hot Dip Galvanized U6 Clamp , 1/2" Complete with Nuts and Washers	Pcs	جديد	2.00	16.00	32.00
37	11316002	Hot Dip Galvanized U8 Clamp , 1/2" Complete with Nuts and Washers	Pcs	جديد	2.00	19.50	39.00
38	11323001	Strain Thimbles with 16mm Socket	Pcs	جديد	3.00	35.00	105.00
Bolts							
39	11402002	Hot Dip Galvanized Steel Bolt 7/8" , 5 cm Complete with Nuts and Washers	Pcs	جديد	20.00	11.50	230.00
40	11402003	Hot Dip Galvanized Steel Bolt 7/8" , 6 cm Complete with Nuts and Washers	Pcs	جديد	4.00	12.00	48.00
41	11403003	Hot Dip Galvanized Steel Bolt 3/4" , 4 cm Complete with Nuts and Washers	Pcs	جديد	36.00	6.00	216.00
42	11403005	Hot Dip Galvanized Steel Bolt 3/4" , 5 cm Complete with Nuts and Washers	Pcs	جديد	4.00	6.80	27.20

Item	Code	Description	Unit	Status	Quantity	Unit Price	NIS	Total	NIS
43	11404003	Hot Dip Galvanized Steel Bolt 5/8" , 4 cm Complete with Nuts and Washers	Pcs	جديد	44.00	5.10		224.40	
44	11405001	Hot Dip Galvanized Steel Bolt 1/2" , 3.5 cm Complete with Nuts and Washers	Pcs	جديد	21.00	3.00		63.00	
45	11405004	Hot Dip Galvanized Steel Bolt 1/2" , 18 cm Complete with Nuts and Washers	Pcs	جديد	2.00	10.00		20.00	
46	11407003	Hot Dip Galvanized V-Shaped Bolt 1/2" , 14 cm Complete with Nuts and Washers	Pcs	جديد	12.00	16.00		192.00	
J_		Fuses							
47	11501002	22 kV Glass Fuse 25 A	Pcs	جديد	3.00	44.00		132.00	
48	11503008	315 A Knife Blade Type NH2_gG" Low Voltage HRC Fuse Link	Pcs	جديد	3.00	53.00		159.00	
K_		Distribution Ties							
49	11602001	Distribution Ties Performed , AL (Side)	Pcs	جديد	5.00	23.00		115.00	
L_		Compression Terminal Lugs							
50	11701006	Copper Compression Terminal Lug for 70 mm2 CU Conductor	Pcs	جديد	6.00	7.20		43.20	
51	11701010	Copper Compression Terminal Lug for 185 mm2 CU Conductor	Pcs	جديد	8.00	26.50		212.00	
52	11702002	Aluminium Compression Terminal Lug for 70 mm2 AL Conductor	Pcs	جديد	3.00	6.30		18.90	
53	11703002	Aluminium/Copper Compression Terminal Lug for 70 mm2 AL Conductor	Pcs	جديد	3.00	12.70		38.10	
M_		Fuse Hoder and Pin							

54	11901002	Fuse Holder Model , K1750/1 Include Surge Arrestors	set	جديد	1.00	2,070.00	2,070.00
Installation Accessories							
55	12401002	Earth Rod 15 mm Diameter , 1.5 m Long	Pcs	جديد	6.00	48.00	288.00
56	12403001	Socket Eyes Type-A , 16mm (Fork Ball Hook)	Pcs	جديد	6.00	29.00	174.00
57	12404001	Steel Twisted Clamp with Ball Eyes K151/11	Pcs	جديد	6.00	78.00	468.00
58	12405001	Steel Master Key Lock	Pcs	جديد	1.00	57.00	57.00
59	12409001	Earth Rod Joint 15 mm Diameter	Pcs	جديد	4.00	15.00	60.00
Materials Total Cost :							90,877.00
Planning & Supervision Cost :							5,452.62
Work & Installation Cost :							12,722.78
Extra Cost :							0.00
Return Cost :							0.00
Contribution :							0.00
Total Cost :							109,053

ملاحظات

-- على أن تقوم المدرسة بتوفير 9.5 كوب بالون --
 -- تقوم الجهة الطالبة بتركيب كابل ضغط منخفض في بالحمل المطلوب من عامود المحول حتى لوحة التوزيع الخاصة بالمدرسة--
 -- تقوم الجهة الطالبة بتسديد رسوم تكبير الاشتراك حسب الأنظمة المتبعة في الشركة

REFERENCE

- Existing O.H.M.V. Wire
- Proposed O.H.M.V. Wire
- Existing U.G.M.V. Cable
- Proposed U.G.M.V. Cable
- Existing O.H.L.V. Wire
- Proposed O.H.L.V. Wire
- Existing ABC Cables
- Proposed ABC 3-10kV.1.25
- Proposed ABC 4.75
- Proposed ABC 4.75
- Proposed ABC 4.75
- Proposed ABC 2.25
- Proposed U.G.L.V. Cable
- Existing Lattice Steel Pole
- Proposed Lattice Steel Pole
- Existing M.V. Channel Steel Pole
- Proposed M.V. Channel Steel Pole
- Existing M.V. Concrete Pole
- Proposed M.V. Concrete Pole
- Existing M.V. Wooden Pole
- Proposed M.V. Wooden Pole
- Existing L.V. C.S.P.
- Proposed L.V. C.S.P.
- Existing L.V. Wooden Pole
- Proposed L.V. Wooden Pole
- Existing Overhead Transformer
- Proposed Overhead Transformer
- Existing Inductor Transformer
- Proposed Inductor Transformer
- Main Distribution Board
- Earthing
- Earthing Strip
- Stay To Ground
- Concrete Mainable
- Transformer to be Removed
- Pole to be Removed

CONSULTANT



GAZA ELECTRICITY
DISTRIBUTION CORP. LTD.
GEDCO

Technical Administration
Planning Department

PROJECT

الخطوط الكهربائية الجديدة في غزة
New Electrical Lines in Gaza

Job No.

DATE

20/01/2017

PROJECT

Job No.

DATE



PROJECT

Job No.

DATE

PROJECT

Job No.

DATE

