شركة كهرباء محافظة القدس المساهمة المحدودة
JERUSALEM DISTRICT ELECTRICITY CO. LTD.
17 شارع صلاح الدين – القدس ص.ب19118 — تلفون 6269333- فاكس 6282441
17 Salah – El-Din Street – Jerusalem – P.O.Box 19118 – Tel 6269333 – Fax. 6282441

Our Ref :
Date :

Messrs.

Dear Sir,

Tender No. (31/2026)
Lattice Steel Poles and Bases

You are kindly requested to quote for the supply and delivery of **Lattice Steel Poles and Bases** in the attached specifications and schedules **D.D.P** to our stores in Shufat.

IEC recommendation for workmanship, equipment and materials has been selected in these specifications as a base of reference standards and specifications of other countries.

Our company does not bind itself to accept the lowest or any tender nor to assign any reason for the rejection of any tender, nor to purchase the whole of the equipment and materials specified.

The bidder shall fill in all the blanks in the accompanying specification tables and shall submit the tables stamped with the offer as well as a complete set of detailed drawings and catalogues.

All correspondences in connection with this tender and all matters accompanying the tender who is relevant to its examinations shall be in English language and expressed in metric units.

Essential Bidding Requirements:

- **The Offered Prices should be without VAT, and the Total Amount of the offer must also be submitted.**
- A bank certified check or a bank guarantee of 5% of the total tender valid for 90 days, to be submitted as a bid bond, otherwise, quotation will be neglected.
- Quotation should be enclosed in a sealed envelope or package and handed over to the "Tender Committee" by the representative of the bidder or their agent not later than 15.11.2026 at 11:00 AM.
- TENDER DOCUMENTS FEES: 500 USD. A proof of payment should be sent by email to: morabi@jdeco.net.

- The main offer envelope or package should include three separate envelopes as follows:
  a. **Sealed Envelope #1**: The financial offer.
  b. **Sealed Envelope #2**: The technical offer & catalogues.
  c. **Sealed Envelope #3**: The bid bond.

- Technical offers will be studied separately from the financial offer.
- The financial offers for bidders whose technical offers do not meet JDECO's technical requirements will not be opened.
- Tender prices in the financial offer should be valid for **at least three months**.
- **The tender can be partially awarded, and the company has the right not to purchase the full materials' quantities listed in the tender from the same bidder without assigning any reason.**
- In case offers are submitted by an agent on behalf of a certain supplier, a copy of the agreement between the agent and the supplier must also be submitted. Such copy must be authenticated and certified by the Chamber of Commerce at the supplier's country of origin.
- Offers must be attached with a letter confirming the authorized person's signing on behalf of the bidder.
- **Any bid package not according to the above will not be considered.**

Payment method in case of offer acceptance:

- 90 days after delivery of goods through bank transfers.
- The currency of the suppliers' invoices must be the same as the currency of their submitted offer and as specified in the letter of award, otherwise they will not be accepted.

شركة كهرباء محافظة القدس المساهمة المحدودة
JERUSALEM DISTRICT ELECTRICITY CO. LTD.
17 شارع صلاح الدين – القدس ص.ب19118 — تلفون 6269333- فاكس 6282441
17 Salah – El-Din Street – Jerusalem – P.O.Box 19118 – Tel 6269333 – Fax. 6282441

Notes:

- **The company has the liberty not to accept any or the lowest tender neither to assign any reason for rejecting any of the offers.**
- In case of offering materials supplied by a factory that JDECO had not dealt with previously, the bidder should arrange and cover the full cost for a factory visit for two engineers after receiving the LOA and before starting to manufacture this tender quantity. JDECO's representatives should see and test similar products or samples of the same quantities for all the items and give notes for final approval to start manufacturing. If any critical mis-matchings were found during this visit, JDECO has the full right to cancel the LOA.
- Before shipping the tender materials, the bidder should arrange and cover the full cost for a factory visit for two engineers to witness the FAT at the factory. This visit is mandatory and cannot be related or cancelled because of the assessment visit mentioned in the previous paragraph.
- The accepted bidder will be charged the expenses of the tender's advertisement in the local newspapers.
- Upon acceptance of offer the bidder will be requested to submit a Performance Bond equivalent to **10%** of the tender total value and should be valid for …**30**… working days from the date of executing all terms of contract.

Yours faithfully,

Mohammad Zeidan
CEO

1. General:

This specification describes the requirements pertaining to the manufacture of Steel Lattice Poles.

These Latice Poles and Arms will be used for building 33KV medium voltage Overhead Line networks.

All materials, details and fabrication shall follow details on the attached drawings and the requirements described hereafter.

2. Materials:

2.1 Steel:

- *The Successful Bidder will purchase steels and bolts only from the list of manufacturers that have Valid ISO 9001 certificates and approved by* ***Jdeco.***
- *Steel grade will be According to European standard - EN10025:2004 steel S235JR or S235JO.*
- *Designation of steel will conform to EN 10025 –part 1,2. ("Steel for General Structural Purposes").*
- *The steel will be "suitable for hot galvanizing".*
- *Steels are to have Si contents less than 0.04% or from 0.14% to 0.25%.*
- *All materials should be brand new.*
- *Before being laid or worked in any manner, structural materials shall be straight and shall be cleaned of all rust and dirt. If straightening is necessary, it shall be done by methods that will not damage the metal.*

2.2 Bolts, nuts and spring washers:

Bolts, nuts, spring washers that will be dedicated to crossarms needed assembly.

2.2.1 Bolts:

- *Degree of bolts strength will be 50 kg/mm2.*
- *Bolts will be acc. ASTM – A-394, Type 0 – zinc-coated bolts made of low or medium carbon steel.*
- *Bolts hardness will be Rockwell B Min. 80, Max 100.*
- *Bolts will be hot dip galvanized minimum thickness 40 µm.*
- *Dimensions and quantities are listed at paragraph 6 of this tender.*

2.2.2 nuts:

- *Nuts will be acc. ASTM-A 563 GrA. Material shall be from carbon steel.*
- *Nuts hardness will be Brinell MIN 116, MAX 302. Rockwell MIN B68, MAX C32.*
- *Nuts will be hot dip galvanized minimum thickness 40 µm.*
- *Dimensions and quantities are listed at paragraph 6 of this tender.*

2.2.3 Spring washers

- *Spring washer will be acc. ASME B18.21.1- 1999.*
- *Material shall be from carbon steel.*
- *Dimensions of Regular helical spring lock washer acc. table 1 in ASME B18.21.1-1999.*
- *Hardness requirements shall be: HRC 40-50, 392-513 HV.*
- *Spring washers will be hot dip galvanized minimum thickness 40 µm.*

3. *Fabrication*

- *Production will be controlled with suitable machines (such as drilling and punching will be done by CNC machines), appropriate work areas, manpower to carry out the work will be suitable and competent to perform various works.*

- *During the manufacturing process safety precautions will take according "Standard Practice for Safeguarding Against Embrittlement of Hot – Dip Galvanized Structural Steel Products and Procedure for Detecting Embrittlement" – A 143 – Latest edition.*

3.1 Cutting:

- *Materials may be sheared to length, but the ends, unless otherwise noted, may be square with the length and free of burrs so that difficulty of assembly caused by the interference of the end section with other members at the time of assembling the steel tower may not occur.*

- *The use of a burning torch is permissible for cutting members providing all irregular edges are trimmed smoothly before galvanizing. Stresses shall not be transmitted into the metal through burned surface. The use of a burning torch for cutting bolt holes will not be allowed. Materials with thickness of less than 18 mm may be cut with a suitable guillotine on condition that no distortion is caused. Materials with thickness of more than 18mm must be cut with a saw or burning torch.*

3.2 Bending:

- *The possibility of cold bending normally depends on the shape of part (angle, plate, etc.), type of steel, angle and radius of bending and equipment for bending. The radius of the bend will be not less than 3 times of part thickness. All bends of a difficult nature on structural steel shall be performed while the material is hot.*
- *Members bent hot shall be heated in a non-oxidizing flame over a sufficient area to prevent excessive deformation. Hot bends shall be placed for slow cooling in air. All bends shall be finished, free from waves, folds. A member bent in error with respect to the location of a bend line shall be rejected. You cannot bend back steel already over-bending flexion.*

3.3 Punching and drilling:

- *The manufacturer must carry out the drilling and punching with CNC machines. Holes are to be punched with racks and jigs employed to ensure accuracy throughout. The punches and dies for this work must be maintained sufficiently sharp so as to produce clean round holes.*

- *Holes may be punched and drilled in high-strength structural steel under 11 mm thick. Over 11 mm holes can be punched to preliminary hole and then be finished by drilling to final dimension and reamed. Table no.1 shows the dimensions of preliminary and final holes.*

Bolt	Preliminary hole (mm) (punching or drilling)	Final hole (drilling) (mm)
1/2"	10	14.5
5/8"	14	17.5
3/4"	17	21
7/8"	20	24

4. Welding:

- *All welding is to be performed in the shop. Welding will be in conformance with the AWS D1.1 of the American Welding Society Structural Welding Code.*
- *Welding process: SMAW.*
- *Welding quality will be according to AWS D1.1.*
- *Welding symbols will be, acc. ISO 2553, BSN EN 22553, Israel Standard 1061.*
- *All welding shall be performed by qualified welders, or welder operators, using qualified*
- *Welding procedures in accordance with the Code AWS D1.1.*

Electrodes:

- *Butt welds - E7018 ASME SFA – 5.1.*
- *Diameter of electrode: 2.5-4.0 mm.*
- *For fillet welds E7024 can be used.*
- *Seal welds up to 3 mm possible to perform – welding process GMAW with CO2 backup gas.*

5. Galvanizing

- *Galvanizing plant has a valid ISO 9001 certificate.*
- *The certificate shall be valid for hot deep galvanizing steel.*
- *Galvanizing will be according to ASTM A123/A 123M-09, or EN ISO 1461:2009.*
- *Except where specified to the contrary all steel used in the construction of towers shall be galvanized after all sawing, shearing, drilling, punching, filling, bending and machining is completed. The zinc coating is to be of uniform thickness, clean, smooth and as free from spangles as possible.*
- *Galvanizing shall be applied by the hot deep process and shall consist of 0.085 mm in thickness for steel more than 8 mm of thickness and 0.07 mm for steel from 5 to 8 mm thickness.*

- *All holes will be free after galvanizing; min. free hole will be:*

- *14 mm for 1/2 " bolt*
- *17 mm for 5/8 " bolt*
- *20.5 mm for 3/4 " bolt*
- *23.5 mm for 7/8 " bolt*
- *26.5 mm for 1" bolt*

- *A manufacturer's Certificate of Inspection for hot–dip galvanized coatings on structural steel shall include the following information:*
  - *Purchase order number*
  - *Date of inspection*
  - *Number of pieces tested for weight of zinc coating with maximum, minimum and average weights of each.*
  - *Number of pieces tested for adherence of coating*
  - *Number of rejections because of defective coating and other reasons Certified test reports shall be submitted to JDECO.*

6. ***Bill of quantities:***

No.	*IEC Code*	*Qty.*	*Description*
1	K-2103	150	Lattice towers of IEC standard design with angle 80/90 mm, 12 meter long, with all screws, washer and nuts needed for installation (as listed in the table below).
2	K-109	120	Bases to fit item 1, 2.25 meter long.
3	K-2134	30	Bases to fit item 1, 4.25 meter long.
4	NCD-3248	600	Anti climbing device, according to new IEC standard suitable for items 1, 2 and 3. Complete with all accessories and screws.

شركة كهرباء محافظة القدس المساهمة المحدودة
JERUSALEM DISTRICT ELECTRICITY CO. LTD.
17 شارع صلاح الدين – القدس ص.ب19118 — تلفون 6269333- فاكس 6282441
17 Salah – El-Din Street – Jerusalem – P.O.Box 19118 – Tel 6269333 – Fax. 6282441

List of Screws, nuts and washers:

All screws nuts & washers should be included in the offer, and they should be manufactured according to the IEC standard, plus any special design mentioned as follows:

Item	*Quantity*	*Screw type*	*Number of Screw for each item*	*Total No. of Screws to be supplied*
1	150	*7/8" x 45 mm*	28	4200
4	600	*1/2" x 12cm- special screw with bending*	2	1200

- ***For items 1 – Lattice Pole 80/90, 12m long:***

  The drilling of holes should be made to fit the different types of cross arms, brackets, side arms, bases. ***Special two holes of (3/4)" to be drilled 4.00 & 4.10 meters from base, all around each angle****.* ***Another two holes of (5/8)" should be drilled 6.70 & 7.00 meter from pole starting all around each angle.***

- ***For items (2 and 3):***

  The connection part of the base and the pole should be done through a special angle plate welded to the base as shown in the attached drawings.

- ***For items 3 - Bases to fit item 1, 4.25 meter long:***

  The drilling of holes should be made to fix air switch handle all around each angle in which 2 holes 5/8" with 100mm spacing should be drilled, and another hole 1/2" should be drilled 980mm from last mentioned 5/8" hole as drawings attached.

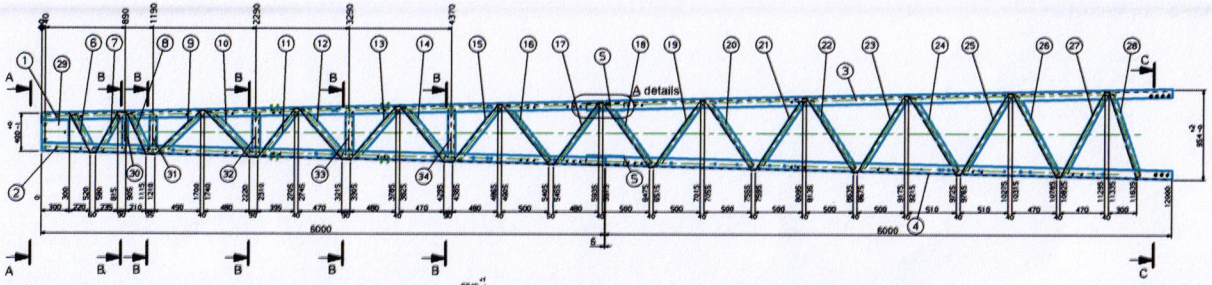
Prices & Weights

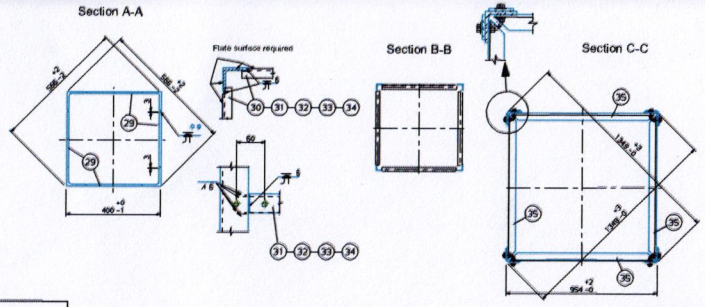
Item No.	***Unit***	***Item Code***	***KG. Weight***	***Qty.***	***Unit Price***	***Total Price***
1	Pcs.	K-2103		100		
2	Pcs.	K-109		80		
3	Pcs.	K-2134		20		
4	Pcs.	NCD-3248		400		
Total Amount without VAT in ( )						

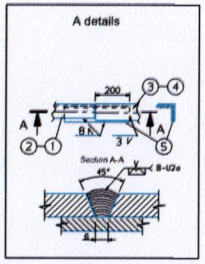
Delivery time not later than: _____ ***weeks.***

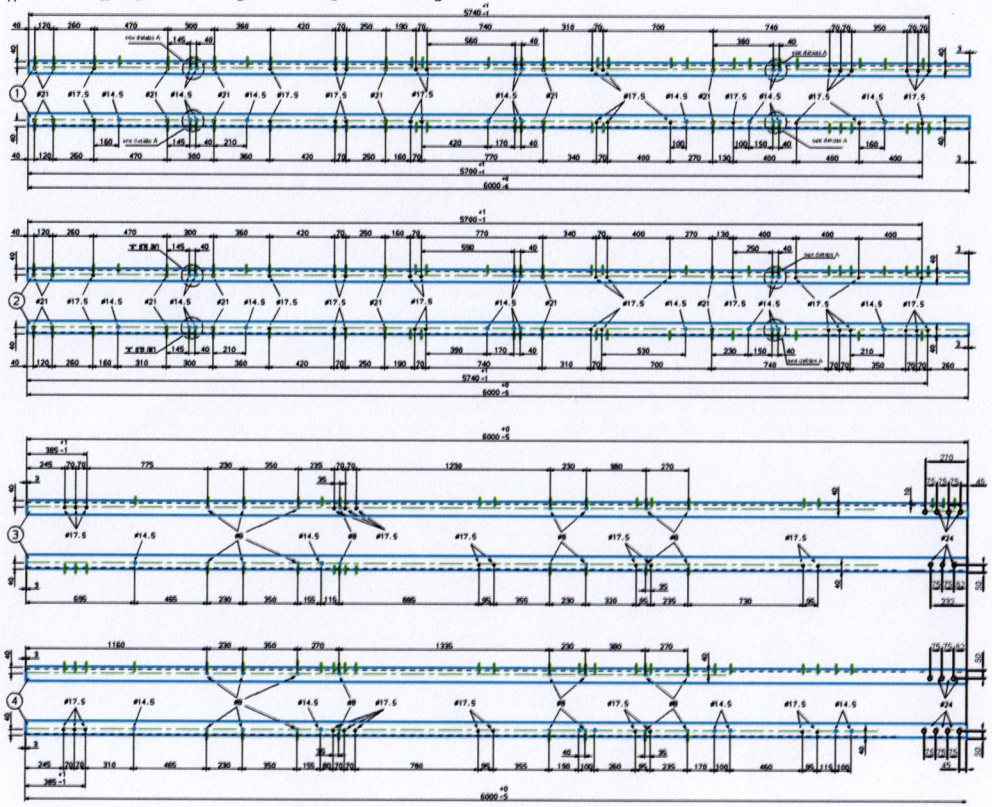
- **The bidder should fill the total tender's price mentioned in the above table otherwise the offer will be rejected.**

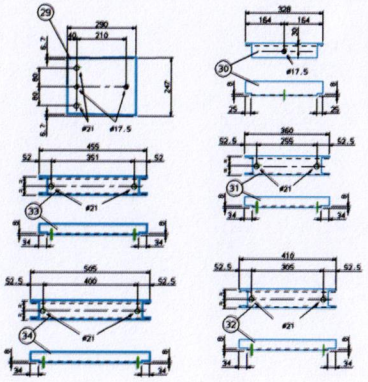
- The prices above should be DDP to our warehouse in Shufat-Jerusalem.

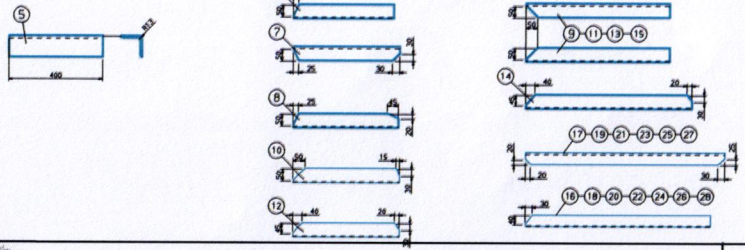












Total weight 925KG
Material : Iron ST37.2
Hot Dipped Galvanized

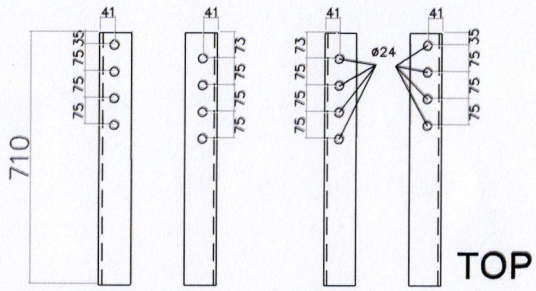
Item	Qty	Desc.	Unit L (mm)	Total L (mm)	Total Weight (Kg)
1	2	L 80x80x8	6000	12000	115.9
2	2	L 80x80x8	6000	12000	115.9
3	2	L 90x90x9	6000	12000	146.4
4	2	L 90x90x9	6000	12000	146.4
5	4	L 90x90x9	400	1600	19.5
6	4	L 60x60x6	425	1700	9.2
7	4	L 60x60x6	440	1760	9.5
8	4	L 60x60x6	445	1780	9.6
9	4	L 60x60x6	610	2440	13.2
10	4	L 60x60x6	625	2500	13.6
11	4	L 60x60x6	595	2380	12.9
12	4	L 60x60x6	650	2600	14.1
13	4	L 60x60x6	685	2740	14.9
14	4	L 60x60x6	690	2760	15.0
15	4	L 60x60x6	725	2900	15.7
16	4	L 50x50x5	755	3020	11.4
17	4	L 50x50x5	735	2940	11.1
18	4	L 50x50x5	790	3160	11.9
19	4	L 50x50x5	800	3200	12.1
20	4	L 50x50x5	810	3240	12.2
21	4	L 50x50x5	845	3380	12.7
22	4	L 50x50x5	875	3500	13.2
23	4	L 50x50x5	885	3540	13.3
24	4	L 50x50x5	925	3700	13.9
25	4	L 50x50x5	935	3740	14.1
26	4	L 50x50x5	950	3800	14.3
27	4	L 50x50x5	960	3840	14.5
28	4	L 50x50x5	930	3720	14.0
29	4	Plate 8mm Thickness	290x247	0.2788m2	17.5
30	4	L 60x60x6	328	1312	7.1
31	4	U 80	360	1440	12.4
32	4	U 80	410	1640	14.2
33	4	U 80	455	1820	15.7
34	4	U 80	505	2020	17.5

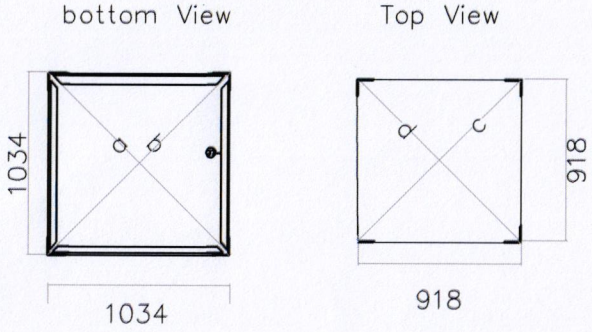
شركة كهرباء محافظة القدس المساهمة المحدودة
JERUSALEM DISTRICT ELECTRICITY CO. LTD.
17 Tzlah - El-Din Street - Jerusalem - P.O.Box 19118 - Tel 6280533 - Fax. 6283661

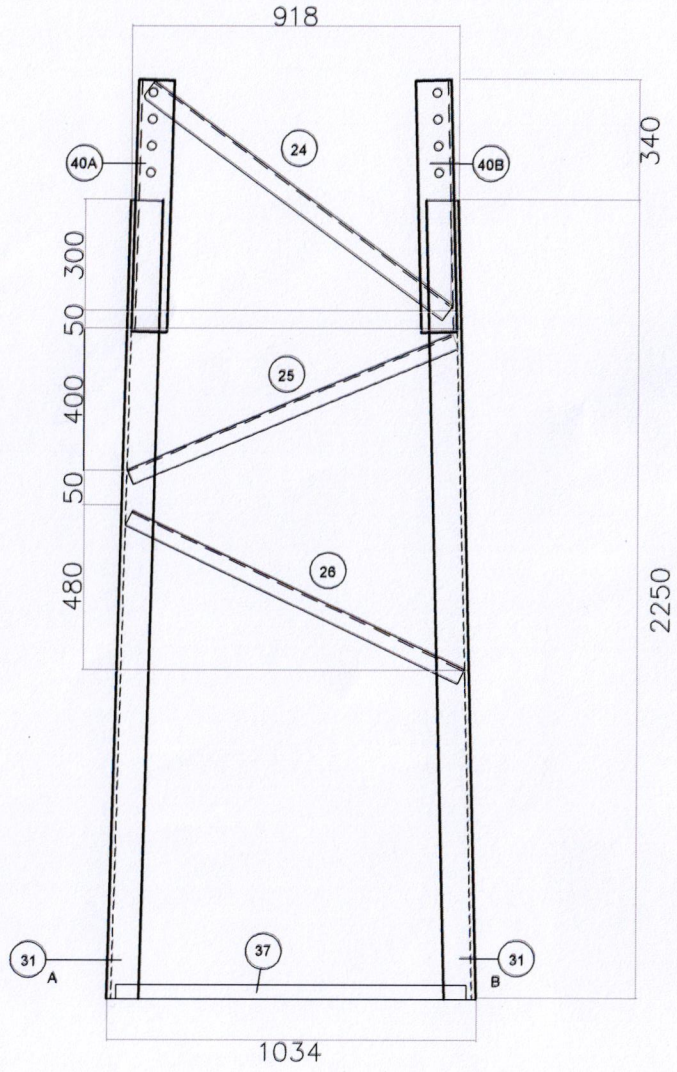
Tender 31/2026

Lattice steel pole (LSP) 80/90, 12 meter long

Item 1 - K2103







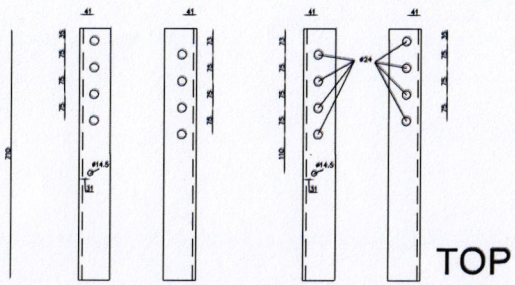
Item	Qty	Description	Unit L (mm)	Total L (mm)	Total Weight (Kg)
24	2	L50x50x5	1075	2150	8.1
24A	2	L50x50x5	1055	2110	8.0
25	4	L45x45x5	1005	4020	13.6
26	4	L45x45x5	1045	4120	14.1
31+31A	2+2	L90x90x9	2250	9000	109.8
37	4	L40x40x4	980	3920	9.5
40A+40B	2+2	L90x90x9	710	2840	34.6
Total weight (approximate) 197 (Kg)					

شركة كهرباء محافظة القدس المساهمة المحدودة
JERUSALEM DISTRICT ELECTRICITY CO. LTD.
17 Salah – El-Din Street – Jerusalem – P.O.Box 19118 – Tel 6269333 – Fax. 6282441

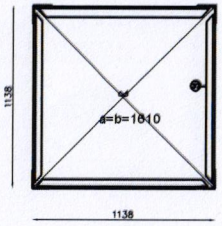
Tender 31/2026

Lattice steel base 80/90 2.25m long

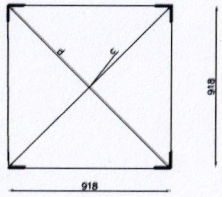
Item 2 –K109

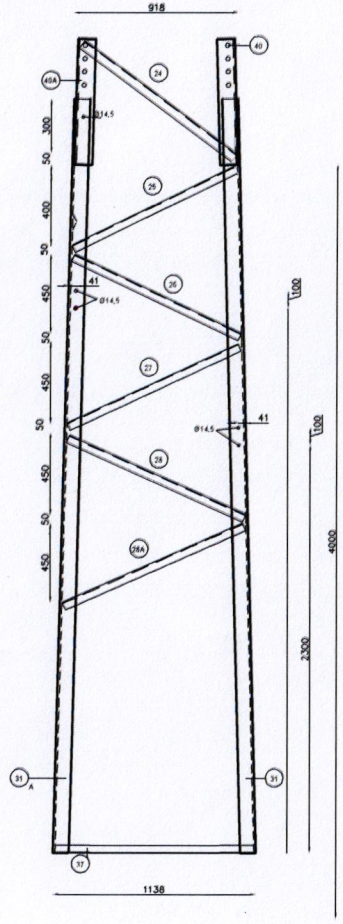


bottom View



Top View





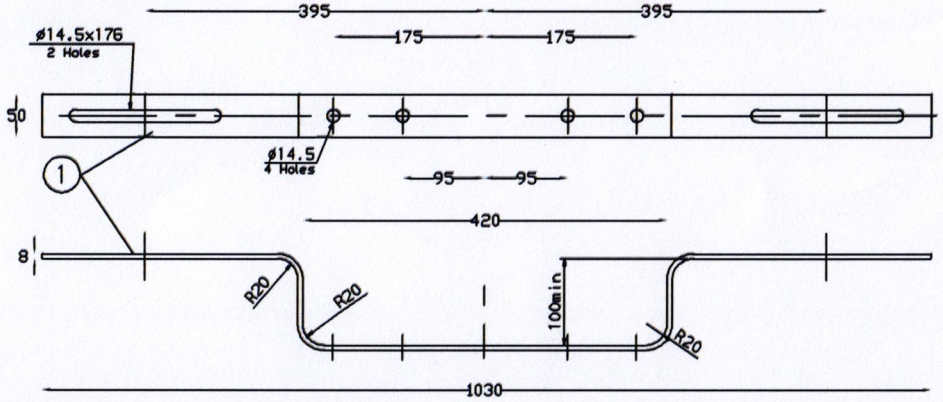
Item	Qty	Description	Unit L (mm)	Total L (mm)	Total Weight (Kg)
24	2	L50x50x5	1075	2150	8.1
24A	2	L50x50x5	1055	2110	8.0
25	4	L45x45x5	1005	4020	13.6
26	4	L45x45x5	1045	4120	14.1
27	4	L45x45x5	1065	4260	14.4
28	4	L45x45x5	1065	4260	14.4
28A	4	L45x45x5	1110	4440	15.0
31+31A	2+2	L100x100x10	4000	16000	241
37	4	L45*45*5	1050	4200	14.2
40+40A	2+2	L100*100*10	710	2840	42.8
Total weight 386 (Kg)					

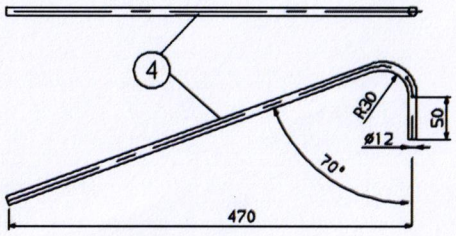
شركة كهرباء محافظة القدس المساهمة المحدودة
JERUSALEM DISTRICT ELECTRICITY CO. LTD.
17 Salah - El-Din Street - Jerusalem - P.O.Box 19118 - Tel 6269333 - Fax. 6282441

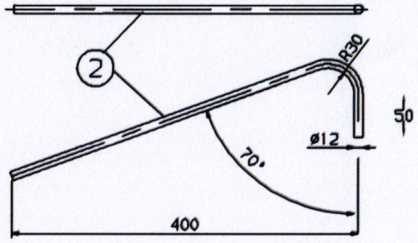
Tender 31/2026

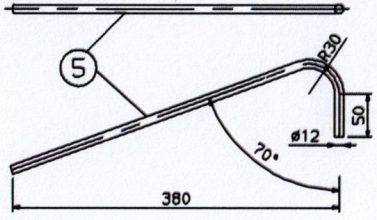
Lattice steel base 80/90 4.25m long

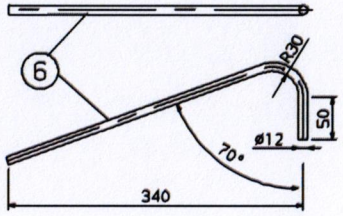
Item 3 –K2134

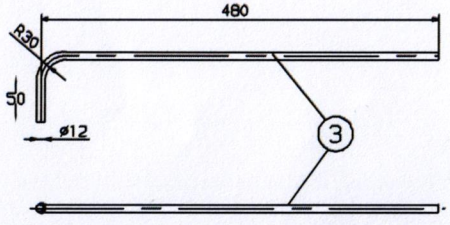


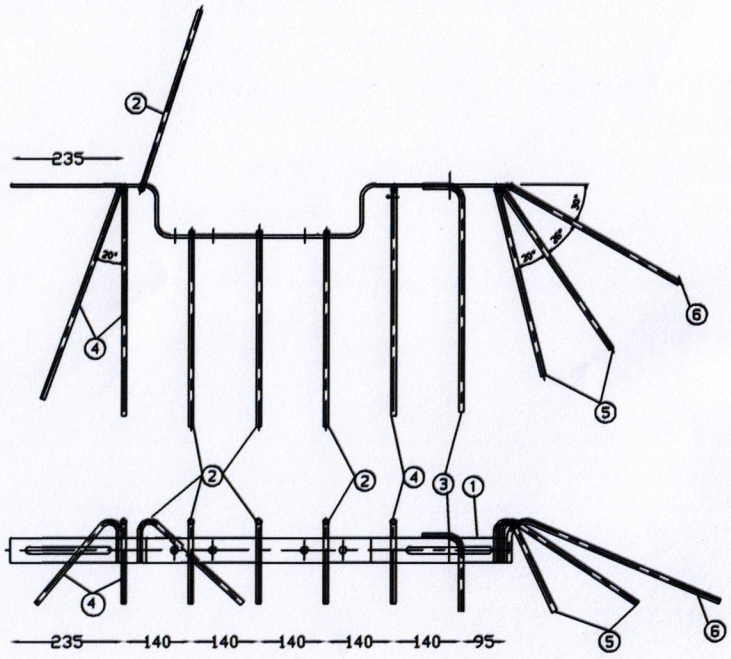












Material : Iron ST37.2
Hot Dipped Galvanized

Total Weight 8.8Kg					
Item	Qty	Desc	Unit L (mm)	Total L (mm)	Weight (Kg)
1	1	Iron Plate 8mm Thick.	1200x50	0.06m2	3.8
2	4	Rounded Iron Tod ø12	495	1980	1.8
3	1	Rounded Iron Tod ø12	547	547	0.5
4	3	Rounded Iron Tod ø12	565	1695	1.5
5	2	Rounded Iron Tod ø12	470	940	0.8
6	1	Rounded Iron Tod ø12	427	427	0.4

JERUSALEM DISTRICT ELECTRICITY CO. LTD.

Tender 31/2026

Item 4- NCD-3248
Anti climbing device, to be installed on items 1