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TECHNICAL SPECIFICATION

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HIGH PRESSURE (HP) TRANSMISSION SYSTEMS

GENERAL NOTES FOR ELECTRICAL EQUIPMENT AND MATERIALS

JUNE 2021

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REFERENCES DOCUMENTS

Job Spec. DSF-SPC-ELE-002

[Electrical Material Supplied with Packaged Units]

2014/34/EU ATEX

[Equipment Explosive Atmospheres Directive]

2014/35/EU LVD

[Low Voltage Directive]

2006/42/EEC

[Machinery]

2014/30/EU EMC

[Electromagnetic Compatibility Directive]

ELOT EN 60079-10-1 E2

[Electrical apparatus for explosive gas atmospheres - Part 10: Classification of hazardous areas]

ELOT EN 60276 E2

[Definitions and nomenclature for carbon brushes, brush-holders, commutators and slip-rings]

ELOT EN 60445 E5

[Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals and conductor terminations]

ELOT HD 60364-4-41/A11

[Electrical Installation of Buildings Part 4: Protection of safety

Chapter 41: Protection against Electric Shock]

ELOT HD 60364-5-54/A11

[Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements, protective conductors and protective bonding conductors]

IEC 60152

[Identification by Hour numbers of the Phase Conductors of 3-Phase Electric Systems]

EAK-2003 - ФЕК 781B/18.06.2003

«Τροποποίηση και συμπλήρωση Ελληνικού Αντισεισμικού Κανονισμού ΕΑΚ 2000» [Hellenic Seismic Code]

DIN 824

[Technical drawings; Folding's to Filling Size]



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1. SCOPE

These General Notes are to be complied with Manufacturer/Vendor, when submitting quotation for, and when supplying electrical equipment and materials.

These General Notes are integral part of the inquiry and of the purchase order.

In these General Notes organization will be designated as follows:

OWNER

Supplier and/or Manufacturer

VENDOR

2. CORRESPONDENCE FROM VENDOR

2.1. GENERAL PROCEDURE

Vendor shall submit the required number of copies of documents called for in the following paragraphs of these General Notes at the dates and with the procedure specified herein. (See TABLE "D").

Requirements included in commercial documents shall be considered to.

2.2. OFFICIAL LANGUAGE

The official language for the correspondence between Vendor and Consultant/Owner shall be English.

2.3. CORRESPONDENCE FROM VENDOR

The heading of letters from Vendor and the address shall be as shown on **TABLE "E".** Each letter shall be limited to one subject (technical matter, commercial matter, drawings transmittal, inspection etc.).

3. QUOTATION AND PRELIMINARY INFORMATION

Vendor's quotation shall be in accordance with terms and conditions specified in these General Notes and in the inquiry documents and shall include prices of equipment and materials, as specified in commercial documents issued by Owner.

Owner's General Purchasing Conditions, if any, shall be considered as forming part of commercial documents.

Quotation shall consist of:

- Material Requisition (MR) sheets compiled in all blank spaces reserved to Vendors information dated and stamped by Vendor.



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- Technical information, including description of construction details, bulletins material specification etc.
- Outline dimensional drawings and electrical diagrams, as per TABLE "D".
- Spare part list and quotation as indicated on para 10.
- List and description of special tools and devices needed for installation and/or maintenance.
- Commercial information.

ANY EXCEPTION TO TECHNICAL OF COMMERCIAL REQUIREMENTS OF THE MATERIAL REQUISITION AND/OR SPECIFICATION MUST BE CLEARLY SPECIFIED IN VENDOR'S QUOTATION UNDER, THE HEADING: EXCEPTIONS

When Vendor's standard construction differs from the Owner's requirements, Vendor shall submit one quotation strictly in accordance with the requirements of the MR and/or Specification and one alternative quotation, related to his own standard Construction. Alternative proposals may be provided by Vendor, when the proposed solutions are technically superior or more economic than the basic offer.

In case of conflict between requirements set forth herein and those in Specifications and/or MR, the latest shall govern; in case of doubt Vendor shall apply to Owner for approval.

Vendor's bid shall comply with the standards, codes, and recommendations listed in the MR and/or in the Specifications.

Codes, standards, and recommendations, which in general apply to the present contract, are listed in TABLE "B".

3.1. TESTING CERTIFICATES

If applied standards, recommendations or specifications require type tests, short circuit tests, load heating tests, impulse tests etc., Vendor shall indicate in the bid official test certificates are available for prototypes and specify the extent of performed tests, in order to examine the possible reduction of extent of acceptance tests.

Tests shall be made by Notified Body or accredited Institutes or accredited Laboratories as required by the applicable EU Directives; tests performed in the testing shop of Vendor may be accepted, after Owner's agreement.

For equipment and materials to be used in hazardous locations (see **para 5.4**), Vendor shall indicate in the bid the name of accredited testing Institute and the prototype testing certificates issued by it; if certificates are not available, Vendor shall indicate the accredited testing Institute which will perform the prototype tests and unless otherwise agreed with Owner, shall bound himself to obtain certificates within three months after order placement.



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Quotations relevant to assembled equipment (such as switchboards, switchgears etc.) shall indicate also unit prices for the components (like starters, circuit breakers, relays, auxiliary devices etc.), in order to permit adjustment of the quotation in case of changes and/or additions to the initial requirements.

Quotations relevant to non-standard equipment shall be supported by a list of references, indicating the Owner plant, rating of equipment and commissioning date.

The quotation shall list material not fabricated by Vendor and indicate type and Manufacturer or Sub-Vendor of the same (refer also to **para 5.4**).

4. PURCHASE ORDER AND REVISIONS

The Material Requisition (MR), Specifications and documents attached to it are the reference technical documents of the purchase order.

Any modification to the original MR shall be done by revision (change) of the purchase order.

Modifications requested by letters shall be confirmed by revision of MR. No modification will be recognized of considered by Owner until it is covered by revision of MR.

In case of assembled equipment (such as switch-board, switchgears etc.), no partial revisions of purchase order will be made in case of modifications or additions of limited amount, but a final revision will cover all changes.

On the occasion of every revision of MR, Vendor shall communicate the relevant change of price and submit his claims for extra of advice credit allowance.

Vendor shall submit to Owner copies of sub-orders and relevant correspondence.

If MR specified that Vendor must contact other Vendors, because of assembling problems, common responsibility etc., copy of correspondence shall be sent to Owner.

5. ENGINEERING AND CONSTRUCTION

5.1. STANDARDS AND REGULATION

Unless otherwise indicated either in the MR or in particular specifications, drawings etc., electric and electronic material, apparatus, machinery, equipment and installations shall comply with the latest edition of the codes, standards and recommendations listed in **TABLE "B"** for general-reference.

5.2. EQUIPMENT, MATERIAL & INSTALLATIONS IN HAZARDOUS LOCATIONS

Unless otherwise indicated either in the MR or in particular specifications, drawings etc., the type of protection of material and the type of installation suitable for hazardous locations shall be as required by the applicable Standards and EU Directives.



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5.3. ELECTRICAL SYSTEM CHARACTERISTICS AND LOCAL AMBIENT CONDITIONS

In case of lack of information, data shown on **TABLE "A"** and on **TABLE "C"** shall serve as general reference.

5.4 STANDARDIZATION OF EQUIPMENT AND MATERIALS

In general, it is recommended that equipment and materials not manufactured by Vendor, for uniformity reasons and for spare parts maters, shall of types compliant to the ones provided by Vendor.

Vendor when adopting different equipment and materials shall inform Owner and obtain approval.

5.5 ENGINEERING DOCUMENTS

5.5.1 ENGINEERING DOCUMENTS BY VENDOR

The documentation listed on **TABLE "D"** or on particular Tables forming part of equipment specifications shall be included in the supply by Vendor.

Vendor shall submit to Owner the list of drawings and documents with indication of title, number and change.

5.5.2 GENERAL REQUIREMENTS FOR ENGINEERING DOCUMENTS

Unless otherwise specified, the following requirements shall be applied: (See TABLE "B").

- Electrical graphical symbols shown on drawings shall be in accordance with relevant standard drawings and specifications.
- Metrical system and letter symbols shall be in accordance with relevant standard drawings and specifications.
- Drawings and forms shall be metrical size (210 x 297 mm) or sizes as per **DIN 824**, certified drawings shall be forwarded folded to a size of 210 x 297 mm suitable for insertion in job record book binders.
- Where necessary, the phase relation of conductors and the phase shiftment through transformers shall be indicated with hour numbers in accordance with **IEC Recommendation, Publication 60152.**
- Generally, Conductors and terminals on multiwire diagrams schematic shall be identified with alphanumeric rotation as per **ELOT EN 60445 5.**

Drawings and technical documents shall be written in English.



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Documents requested to comply with national law regulations and documents to be submitted to local official authorities must be in the Greek.

Vendor shall be fully responsible for drawing prepared by him.

If Owner supplies drawings or sketches, constructive details by Vendor shall be in accordance with them; any change originated by Vendor shall be pointed out to attention of Owner.

Vendor shall be responsible of requesting and obtaining from Owner information and data he needs.

No justification for delays can be referred to the lack of information by Owner.

5.6 IDENTIFICATION OF VENDOR'S TECHNICAL DOCUMENTS

Vendor must identify drawings and any document issued for the contract by printing in the title box or adjacent thereto the information listed in **TABLE "D"**.

In addition, Vendor's documents must be suitable identified with Vendor's name, commitment No etc.

Drawings will not be accepted, unless the above information is included therein.

6. COMMENTS AND RELEASE OF VENDOR'S DOCUMENTS

Drawings and documents issued by Vendor shall have two different type of issue: preliminary and final issue.

Vendor after Contract placement shall send to Owner apart from the electronic files (i.e. AutoCAD, excel, or word documents), preliminary copies of documents for comment and/or release, in the quantity and within the terms indicated in **TABLE "D"**.

Any issue of Vendor's documents shall be considered as preliminary until they are released by Owner as final.

Number of copies and terms of issue shall be as per TABLE "D".

The terms shall be referred to the date of the relevant Vendor's transmittal. Unless expressly required by Owner, fabrication shall not be withheld, pending Owner release of Vendor drawings.

The release of Vendor's drawings will not relieve Vendor from any technical or other responsibility that rises in design and construction from mistakes, omissions or other causes.

Final Vendor's drawings shall be marked "CERTIFIED DRAWINGS" or equivalent, according to Vendor's practice.

The non-sending of the above-mentioned documents, or the sending of the same without the required information or after the required terms, shall represent reason for considering unfilled the supply.



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7. IDENTIFICATION OF EQUIPMENT AND MATERIAL

All items shall be properly tagged with item or piece number as shown in MR and attached documents.

Tags shall be made of metal or an equally substantial and shall be securely fastened.

Equipment to be installed in locations with hazard of explosion or fire shall have and additional tag, in accordance with the requirements of applied standards.

Components of complex equipment shipped, or to be installed, separately shall have individual tags.

All tags and nameplates shall be written in English.

Translation in the local official language shall be provided only when required in contract documents.

8. PRODUCTION PROGRAM

After receipt of Contract, Vendor shall send to Owner a production program as indicated in **TABLE "D".**

Following details shall be given.

- Final date for issue of all engineering information to Owner.
- Schedule dates for ordering and promised date of delivery for sub-ordered materials;
- Total shop fabrication time;
- Testing time;
- Final delivery date
- Shipping time (if by Vendor);
- Erection time at site (if by Vendor);

9. SUB-SUPPLIES

For equipment including sub-supplied components and material, Vendor shall forward to Owner a schedule listing such material and relevant sub-Vendor(s), together with material characteristics for comment and release by Owner. Refer also to **para 5.4.**

10. SPARE PARTS

Together with the quotation Vendor shall submit spare parts quotation filling the apposite spare parts forms.



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Spare parts suggested by Vendor shall include:

- Materials and equipment for plant commissioning.
- Materials and equipment required for two years operation

The supply will be subject to periodic expediting by Owner, or their appointed agency. The expediters of Owner shall have free access to Vendor's and Sub-suppliers shops at any reasonable time, and obtain all necessary assistance and information.

Vendor shall take the necessary action to obtain the same permission from Sub-suppliers.

11. EXPENDING

The supply will be subject to periodic expediting by Owner, or their appointed agency. The expediters of Owner shall have free access to Vendor's and Sub-suppliers shops at any reasonable time, and obtain all necessary assistance and information.

Vendor shall take the necessary action to obtain the same permission from Sub-suppliers.

12. INSPECTION AND TESTS

Material covered by these General Notes are subject to shop inspection by Owner Representative.

Owner Representative shall have the right, at any time, to inspect equipment and materials are fabricated.

Before accepting delivery of equipment and materials, Owner reserves the right to carry out all, or part, of the tests described in MR and/or relevant Specifications, and/or applicable standards.

Tests shall be normally carried at Vendor's option, coincident with standard internal workshop testing.

For equipment and material to be used in hazardous locations Vendor must carry out the routing- acceptance tests specified by the applicable standard, also if Owner's Representative do not attend to them.

Vendor shall furnish the detailed program of tests (type and quantity of tests) for release of comments by Owner one month in advance the date of tests.

When the procedure of tests is not specified in the Engineering documents or in the applied standards, Vendor shall submit his proposals to Owner, for comments.

Vendor shall provide copies of tests certificates, as indicated in TABLE "D".

Owner may waive the right to witness final tests and accept Vendor's standard workshop test certificates.



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Acceptance of equipment and material shall be qualified by correspondence to technical documents attached to Contract.

Equipment and materials shall be covered by the Contract not comply with all documents forming part of the purchase order, Owner reserves himself the right to reject the supply, but to use the same for the period needed to replace it with new one, completely complying with stated requirements.

13. CERTIFICATES

It is Vendor's duty to request and obtain official testing certificates, when required by the EU Directives, the local Authority, by the applied standards, or when required in MR.

14. OPERATING MANUALS AND DATA BOOK MATERIAL

Vendor shall furnish a complete set of operating manuals, including the documentation requested for the Data Book (refer to **TABLE "D"**).

The above information material shall be gathered in sets together with an identification cover and index.

Operating manuals and data book material shall be suitable for use in metrical size binders (210 x 297 mm).

15. PREPARATION FOR SHIPMENT

15.1 PROTECTIVE COATING

After final test:

- Unmachined exterior parts of equipment shall be painted (at least one prime coat),
- Machine or threaded exterior surfaces, subject to atmospheric corrosion during shipment or subsequent storage, shall be protected with an easily removable rust preventive coating.

Protection must be suitable for the type of shipment as required in the Contract.

15.2 OPENINGS

Flanged connections shall be blanked with bolted wood no smaller than the flange outline dimension. Threaded connections shall be fitted with threaded plug. Socket weld connections shall be plugged with plastic disks, wood or other equivalent material.

15.3 PACKING



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Spare parts shall be separately packed, suitably identified and marked with an "S" (spare).

All fragile components (such as relays, instruments, recorders, etc.), which may be shocked during shipment, shall be dismounted and separately packed and identified.

Two sets of the installation, operating and maintenance instructions and of drawings shall be packed in boxes or crates with the equipment.

16. ERECTION AND START UP ASSISTANCE

If required in the purchase order or in the attached documents, Vendor shall furnish the technical assistance for the erection and commissioning of equipment.

17. COMPLIANCE WITH EU DIRECTIVES

Any electrical equipment or parts of them complying with the relevant EU Directives shall be provided with:

- a) A physical CE marking and other information, as required by the relevant directives.
- b) A declaration of conformity, which lists all the directives with which the product complies.
- c) Any other information specified by the directive, e.g. user instructions.



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TABLE "A"	(CHARACT	ERISTICS	S OF ELI	ECTRIC	AL SYSTE	MS
	1	2	3	4	5	6	7
TYPE OF CIRCUIT	V	oltage Values	(V)	Type of current &	No of	Short circuit	Neutral
	Rated	Normal Operating	Maximum (reference)	frequency (Hz)	wires	level (1) (KA symm)	earthing method
1. POWER CIRCUITS							
1.1 Utility powers supply.	20 kV or 400/230	± 5%		AC 50	3 PH		
1.2 Power generation.	400/230	± 5%		AC 50	3 PH		
1.3 Primary distribution.	400/230	± 5%		AC 50	3 PH		
1.4 Secondary distribution.	400/230	± 5%		AC 50	3 PH		
1.5		± %					
1.6 LV distribution	400/230	± 5%		AC 50	3 PH		TNC-S SE
1.7		± %					
1.8 Safety extra LV System (SELV)	42	± %	50	AC 50	3 PH		
1.9 Functional extra LV system (FELV)		± %	25				
1.10		± %					
2. POWER USERS							
2.1 Motors kW		± 5%		AC 50	3 PH		
2.2 Motors 160 kW	6000	± 5%		AC 50	3 PH		
2.3 Motors 0.37 kW	380	± 5%		AC 50	3 PH		
2.4 Motors 0,37 kW	220	± 5%		AC 50	S PH		
2.5 Motors	110	+10 -15%		DC -	S PH		
2.6 Heaters	380/220	± 5%		AC 50	3PH/SPH		
2.7 Welding outlets (3)	380	± %		AC 50	3PH-PE		
2.8 Portable tools	220	± 5%		AC 50	3PH-PE		
2.9 Portable tools safety (4)	42	± 5%		AC 50	SPH/PH-N		
2.10							
3. <u>LIGHTING NETWORK</u>							
3.1 Main circuits	380/200	± 5%		AC 50	3 PH-N		
3.2 Branch circuits	220	± %		AC 50	SPH		
3.3 Convenience outlets (2) (6)	220	± %		AC 50	SPH-PE		
3.4 Safety lighting		± %					
3.5 Emergency lighting	380/220	± %					
3.6 Portable lamps (4)	24	± 5%	25		2W		
3.7							
3.8							
			1	1	-	UED ON NEX	

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TABLE "A" (Contd./...)

TABLE "A"	CHARACTERISTICS OF ELECTRICAL SYSTEMS								
	1	2	3	4	5	6	7		
TYPE OF CIRCUIT	7	/oltage Value	s (V)	Type of	No of	Short circuit	Neutral		
7772 07 0480017	Rated	Normal Operating	Maximum (reference)	current & frequency (Hz)	wires	level (1) (KA symm)	earthing method		
4. CONTROL CIRCUITS									
4.1 Contactors & circuit breakers 1000V	110	+10 -15%		DC -	2W				
4.2 Contactors & circuit breakers 1000V (7)	220	+10 -20%		AC 50	2W				
4.3 General controls or power system (7)	110	+10 -15%		DC -					
4.4									
4.5									
5. <u>INSTRUMENT</u>									
5.1 Alarms and interlocks	24	± %		DC -					
5.2 Alarms and interlocks	110	± %		DC -					
5.3		± %							
5.4		± %							

NOTES

- (1) Figures of Column 6 (SHORT CIRCUIT LEVELS) shall be considered only for **Job Spec. DSF-SPC-ELE-002** "ELECTRICAL MATERIAL SUPPLIED WITH PACKAGED UNITS" and when called for in the Material Requisition.
- (2) Circuit requires differential protection 30 mA residual current.
- (3) Circuit requires differential protection -0,5 A residual current.
- (4) Circuit shall be "safety" extra low voltage type, to be supplied from safety circuits. Refer to **ELOT EN 60364-4-41/A11.**
- (5) If required by process or by classification of the location, isolated neutral may be used, adopting an isolating transformer.
- (6) Electrical equipment having supplementary or reinforced insulation (class II equipment) may be used without PE conductor.
- (7) To be used also for equipment < 1000V, if pertaining to main power system (e.g. control of power center circuit breakers).



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TABLE "A" (Contd./...)

SYMBOLS	DESCRIPTION
LV	Low Voltage
S.PH	Single Phase
S.PH / PH-N	Single Phase / Phase Neutral
S.PH / PH-PH	Single Phase – Phase to Phase
3 PH	Three Phase
3 PH-N	Three Phase with Neutral
PE	Protection (earthing) Conductor
PEN	Combined Protection and Neutral Conductor
DC	Direct Current
AC	Alternating Current
SE	Solid Earthed
HORE	High Ohmic Resistance Earthed
LORE	Low Ohmic Resistance Earthed
ISLN	Isolated Neutral (5)
2 W	Two Wire Circuit

PROSPECT OF LV SHORT CIRCUIT CURRENTS									
Circuit rated current (A)	40	63	100	160	250	400	600		
Symmetrical short circuit (kA)	3	4	5	8	12	20	30		



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TABLE "B" EU DIRECTIVES, STANDARDS AND RECOMMENDATIONS

Subject	Basic Standards	EU Directives
{MV(>1kV) Machinery { {LV(<1kV) HV and MV Equipment LV Equipment (1 kV) Bulk Material Installation	ELOT EN / IEC	2014/35/EU LVD 2006/42/EEC 2014/30/EU EMC
Classification Installation Machinery Equipment Bulk Material Marking Mode of Protection Ex Mechanical Protection IP	ELOT EN 60079-10-1 E2	2014/68/EU ATEX
Terms and definitions Graphical Symbols		

NOTES

- 1) This table shall be used as general reference, when no detailed information is given in the MR and attached documents.
- 2) Codes to be adopted with Owner's agreement only.
- 3) In general codes and standards issued by an authoritative body of the country of origin of materials may be accepted, provided that said standards are equal or more restrictive than base codes and approval by Owner is obtained.
- 4) In the particular cases in which codes, or standards or recommendations are not available or applicable, it is Vendor's responsibility to submit to the Contractor the recommended engineering practice to be applied.

ACRONYM	ORGANIZATION			
IEC	International Electrotechnical Commission			
ELOT EN	European Standards			
(CENELEC)	(European Committee for Electrotechnical Standardization)			



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TABLE "C" SITE CONDITIONS

Location	(V	(Various locations)					
Elevation above sea level	(V	arious locati	ons)				
Atmosphere	Outdoor		Indoor				
Temperatures :	°C		°C				
maximum dry buld	°C		°C				
daily average	°C		°C				
yearly average	°C		°C				
minimum	°C		°C				
design	°C		°C				
Humidity		%					
Relative humidity	70%	at	40 °C				
Duration of solar radiation	h/day		h/day				
Wind velocity	km/h (ı	maximum su	ıstained)				
Wind pressure		kg/cm ²					
Maximum rain fall - duration	cm/hour	-	cm/12 hours				
Maximum inundation level	mm (above	conventiona	al grade level)				
Soil bearing pressure		kg/cm ²					
Earthquaka	EAK-2003	- ФЕК 781Е	3/18.06.2003				
Earthquake	[Hellenic Seismic Code]						
Cooling water: temperature		35°C					
chemical analysis		Refer to					



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TABLE "D"

LIST OF DOCUMENTS BY VENDOR, QUANTITY AND DATES REQUIRED

Apart from the copies mentioned here below Vendor shall provide to Owner electronic files (i.e. autocad, excel, or word documents) for equipment.

This list applies, unless a particular list is included in the Specification or Material Requisition of particular equipment (e.g. switchboards, motors, generators, etc.).

Column A: Quantity of documents to be supplied attached to the bid.

Column B: Preliminary documents to be supplied within the indicated number of days

after receipt of order and 15 days after receipt of Owner's comments to

preliminary luminary documents.

Column C: Final certified documents to be supplied within the indicated number of days

after receipt of Owner's release (RELEASE FOR CONSTRUCTION).

Column D: Documents for DATA BOOK to be supplied three weeks after final test.

Preliminary or final documents shall be identified by the Vendor as shown here below:

1. CLIENT

2. PLANT

3. LOCATION

4. Owner CONTRACT No

5. ITEM No

6. Owner M.R. No

7. PURCHASE ORDER No

8. VENDOR's REFERENCE No

NOTES

(R)=Reproducible copy

(1)= As soon as placed by Vendor

(2)= After Owner release

(3) = Before shipping

(4) = After test



TECHNICAL SPECIFICATION

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COLUMN	A	F	3	С		D			
DESCRIPTION		NUMBER OF							
		COPIES		DAYS		IES			
1. Outline dimension drawings and weights.									
2. Foundation drawings with fastening bolts.									
3. Sectional drawings with list of components.									
4. Terminal strips &boxes detailed drawings.									
5. Vendor's drawing list.									
6. Schedule for design, procurement, construction & shipment.									
7. List of sub-supplied material and sub-orders.									
8. Spare part list and unit prices.				·					



TECHNICAL SPECIFICATION

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TABLE "E" (Contd./...)

COLUMN	A	E		C		D		
DESCRIPTION		NUMBER OF						
		COPIES		DAYS		IES		
9. Mounting and dismounting instructions operating manual								
10. One line, schematic and connection diagrams.								
11. Selectivity diagrams and/or operating manual.								
12. Functional and performance characteristics of equipment.								
13. Outline dimensions and weights for shipping.								
14. Witnessed test certificates and curves.								
15. Vendor's work-shop test certificates.								
16 Prototype test certificates by testing institute (if required).								
17. List of Electrical Loads.								
18. Technical Bulletins and Catalogue information.								



357-359 Messogion Av., GR 152 31 Halandri

Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr

TECHNICAL SPECIFICATION

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TABLE "E" CORRESPONDENCE (EXAMPLE)

"E1" CORRESPONDENCE ADDRESSES

1. Correspondence from Vendor to OWNER:

DESFA S.A.

357-359, MESSOGION AVE.,

15231 ATHENS, GREECE

Tel.: 210 6501258

Fax: 210 6501551

2. Correspondence from OWNER to Vendor:

"E2" HEADING OF LETTERS

The heading of letters from Vendor to Contractor shall be as follows:

- a) Customer's name and locations.
- b) Plant or unit identification.
- c) DESFA contract number.
- d) Identification item of the equipment (if any)
- e) Number of the Material Requisition and change.
- f) Reference to correspondence issued by owner after order placement (No of inquiry or of Contract).
- g) Internal references of Vendor (if any).

Vendor shall indicate the person to be contacted.