



DOCUMENT No:		
Q3126031-00-EL-LST-00001		
REV. No.	REV. DATE	PAGE No.
0	10-Jan-24	1 OF 9

CUSTOMER: INNOVX

PROJECT: PHOSPHORIC ACID TREATMENT _ TRACE ELEMENT

PROJECT No: Q3126031

PLANT / ASSET: GENERAL - ALL AREAS

DOCUMENT TITLE: ELECTRICAL LOAD LIST

Notes

1. Supplier Data Status Code

P = Preliminary
B = Bid Data
C = Certified
A = As-Built

2. Abbreviations used

DOL = Direct On Line
VFD = Variable Frequency Drive
FOL = Feeder On Line

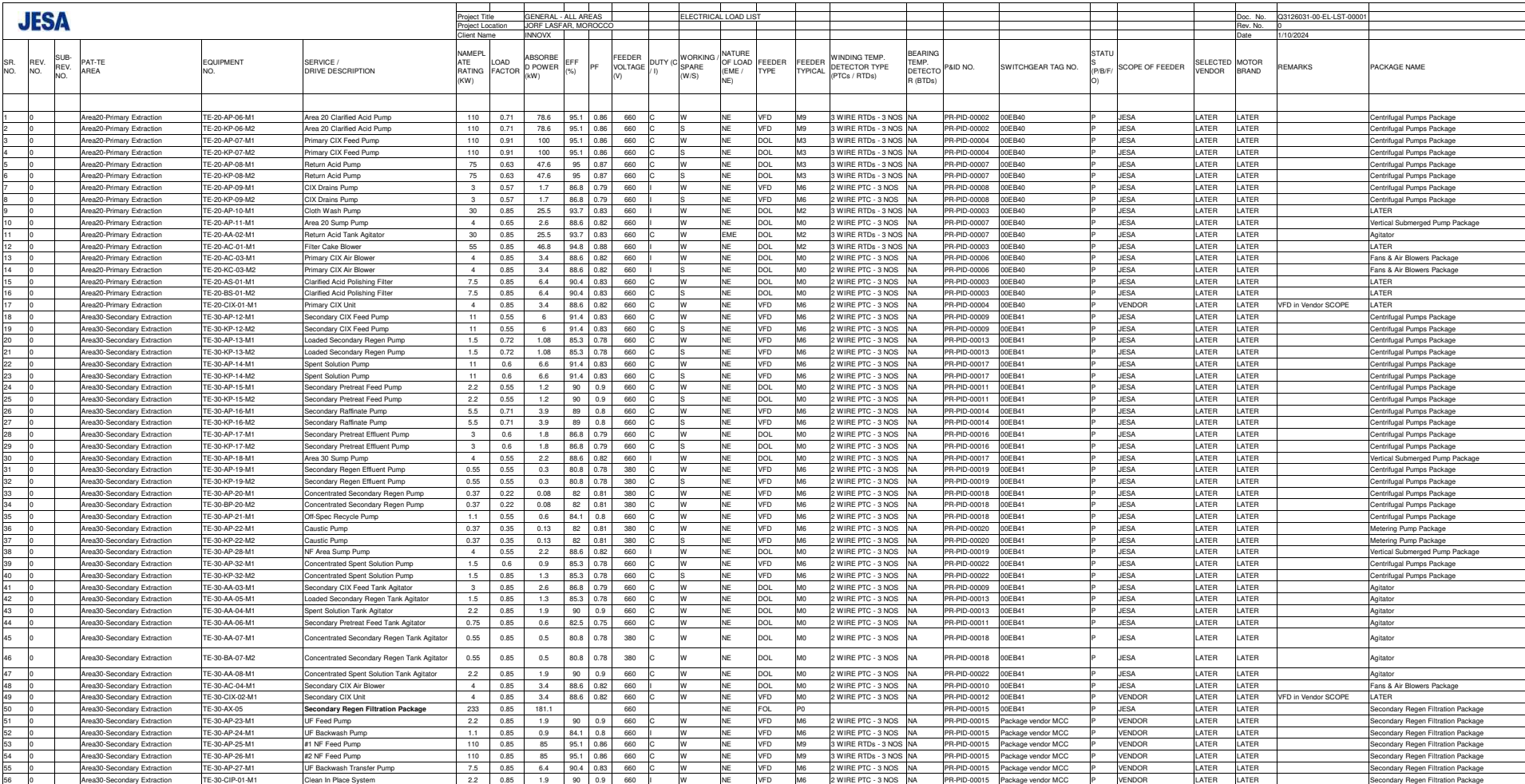
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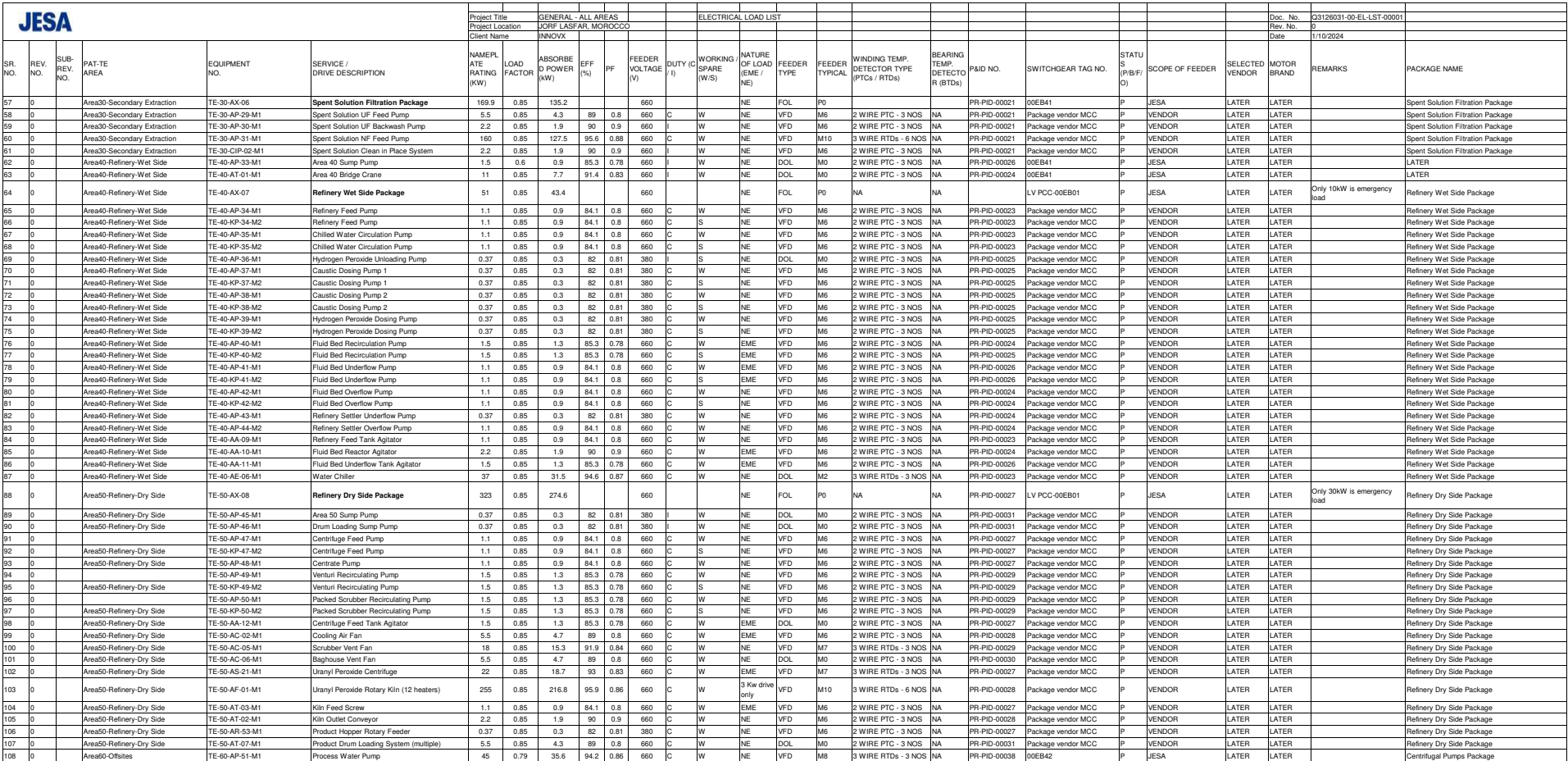
Revision History and Approval

Rev.	Date	Revision Description	Originator	Checked	Lead Approval	Project Approval
0	10-Jan-24	Issued for Design	FMBARKI	TMULLA	AOUMGHAR	FELRHAZAL

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	CALCULATION NOTES	DOC. NO. : Q3126031-00-EL-LST-00001 REV. NO. 0 PAGE : 3				
CONTRACT NO. / TITLE : Q3126031 Phosphoric Acid Treatment - Trace Element						
ITEM NO. / NAME / SUBJECT : ELECTRICAL LOAD LIST OF PAT_TE		GROUP : ELECTRICAL				
1 OBJECTIVE To prepare complete load list for this project including all type of loads: Mechanical equipment's, UPS load, Lighting/Sockets loads, SID,VDS, Instrumentation/DCS, and also loads for Cathodic protection and Heat tracing. This document is the key document to conduct all electrical engineering activities: power balance, equipment sizing, single line diagrams, etc.						
2 BASIS OF DESIGN / INPUTS PAT_TE Area Classification Classification: Hold 2 Absorbed kW: As per mechanical data. Vendor equipments for which details not available, load factor equal to 0.85 is used. Selected Vendor: This column can be filled after PO awarding for all packages. It allows to know selected Vendor for each equipment for Vendor Data search when required. UPS Power Requirement: All Instrumentation, IT and related loads with relative type of power supply (UPS / Non-UPS), voltage levels (220 VAC / 220 VDC), voltage types (AC / DC), ratings and quantity shall be separately indicated in Annexure - I (Instrument / Electrical UPS & NON-UPS Power Requirement Summary). Cathodic Protection and Heat Tracing System: Refer to annexure 2 & 3 to define needs for cathodic protection and heat tracing. Not Applicable Based on available package vendor information, the load list has been prepared now. Presently, rating considered are as per process equipment list as they are higher then vendor offers. Upon receipt of final and firm data(VDR) from vendor, the load list will to be updated.						
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; width: 50%;">3 INFORMATION STATUS</th> <th style="text-align: left; width: 50%;">Revision Sub Code:</th> </tr> <tr> <td style="vertical-align: top;"> P : Preliminary B : Extraction from Bid (Highest Among Bids) O : As per PO (Selected Vendor) F : As per Code-F (Final) Approved Vendor Drg. E : Estimated Power </td> <td style="vertical-align: top;"> 1 Added Consumer 2 Deleted Consumer 3 Revised TAG/Description 4 Revised Rating 5 Revised Voltage 6 Revised Duty C/I 7 Revised W/S 8 Revised Load Categorization 9 Revised SWG No. 10 Revised Feeder Type 11 Revised Feeder Typical 12 Revised CWA </td> </tr> </table>			3 INFORMATION STATUS	Revision Sub Code:	P : Preliminary B : Extraction from Bid (Highest Among Bids) O : As per PO (Selected Vendor) F : As per Code-F (Final) Approved Vendor Drg. E : Estimated Power	1 Added Consumer 2 Deleted Consumer 3 Revised TAG/Description 4 Revised Rating 5 Revised Voltage 6 Revised Duty C/I 7 Revised W/S 8 Revised Load Categorization 9 Revised SWG No. 10 Revised Feeder Type 11 Revised Feeder Typical 12 Revised CWA
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4 HOLDS 1. UPS rating and consumer details 2. Hazardous areas						
5 CODES, STANDARDS / STATUTORY REQUIREMENTS WITH EDITION / YEAR						
6 COMPUTER PROGRAM	COMPANY STANDARDS.	REFERENCE DOCUMENTS				
NIL	NIL	Q3126031-00-PR-LST-00003 Rev. A, Equipment List. Q3126031-01-EL-DSL-00001 Rev B, KEY SINGLE LINE DIAGRAM. Q3126031-00-EL-CAL-00001, Rev 0, LOAD CALCULATION AND TRANSFORMER SIZING. Q3126031-00-PI-DAL-00001, Rev B, PLOT PLAN				





[illegible]

NOTES:

1. ELECTRICAL WILL PROVIDE REDUNDANT UPS POWER SUPPLIES TILL IPDB-01 AND IPDB-02. FURTHER DISTRIBUTION WITHIN IPDB'S AND TILL INDIVIDUAL CONSUMERS SHALL BE BY I&C / TELECOM.
2. ANY VOLTAGE OTHER THAN MENTIONED SHALL BE DERIVED INTERNALLY BY EQUIPMENT SUPPLIER.

<div>JESA</div>					Project Title		Phosphoric Acid Treatment - Trace Element			ANNEXURE-2 LIST OF EQUIPMENT REQUIRING CATHODIC PROTECTION				Doc. No.		Q3126031-00-EL-LST-00001	
					Project Location		JORF LASFAR, MOROCCO							Rev. No.		0	
					Client Name		INNOVX							Date		1/10/2024	
SR. NO.	REV. NO.	EQUIPMENT TAG NO.	EQUIPMENT TO BE PROTECTED	DOC. REF. NO. & REV.	INSTALLATION TYPE	SOIL RESISTIVITY	SERVICE	MATERIAL	PAINTING TYPE	(DFT) (MM)	PIPE LINE LENGTH (METERS)	PIPE THICKNESS (MM)	EQUIPMENT DIAMETER (METERS)	EQUIPMENT HIGHT (METERS)	REMARKS		
	1		Not Applicable														
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																
	13																

TBA: TO BE ADVISED
DFT: DRY FILM THICKNESS
NOTES:

1 DATA IS INDICATIVE. CATHODIC PROTECTION VENDOR TO VERIFY SOIL RESISTIVITY DATA BY DOING ACTUAL SOIL TESTING AND DESIGN THE CATHODIC PROTECTION SYSTEM AS PER ACTUAL DATA.

[illegible]