



REPUBLIKA NG PILIPINAS
Pambansang Korporasyon Sa Elektrisidad
(NATIONAL POWER CORPORATION)

PURCHASE ORDER

P.O. No. 059470-JVC

Page 2 of 2

This PO number must appear on all papers, invoices, packing list and correspondence.

TO: ARIZONA INTEGRATED TECHNOLOGY INC.
DMD Building, 99 Felix Manalo St.,
Cubao, Quezon City

DATE: April 30, 2025

PD NO.:
PB241216-AMJC568

PO ITEM NO.	PR NO./ ITEM NO.	DESCRIPTION	QTY/UNIT OF MEAS	UNIT PRICE	AMOUNT																																																																																	
	S1-NPS25-002	S/D OF 69KV LINE LIGHTNING PROTECTION DEVICES																																																																																				
		SPARE PARTS																																																																																				
		<table><tr><th rowspan="2">ITEM</th><th rowspan="2">DESCRIPTION</th><th colspan="2">SUPPLIER'S DATA</th></tr><tr><th>SPECIFICATIONS</th><th>QTY.</th></tr><tr><td>1</td><td>Lightning Arresster</td><td></td><td>20 sets</td></tr><tr><td></td><td>Electrical Line Parameters</td><td></td><td></td></tr><tr><td>1</td><td>Highest voltage for equipment*, kV</td><td>72.5 kV</td><td></td></tr><tr><td>2</td><td>Maximum prospective fault current, kA</td><td>5 kA</td><td></td></tr><tr><td>3</td><td>External air gap, mm</td><td>80+80+120mm</td><td></td></tr><tr><td>4</td><td>Power frequency withstand voltage**, kV(wet/dry)</td><td>140/140kV</td><td></td></tr><tr><td></td><td>Lightning Parameters</td><td></td><td></td></tr><tr><td>5</td><td>Lightning discharge capacity (200us) **, C</td><td>2.8</td><td></td></tr><tr><td>6</td><td>High current impulse (4/10us), kA</td><td>65 kA</td><td></td></tr><tr><td>7</td><td>Maximum quenching lightning current, kA</td><td>20(8/50 microseconds)</td><td></td></tr><tr><td>8</td><td>Minimum withstand amount of operations</td><td>10</td><td></td></tr><tr><td></td><td>General Parameters</td><td></td><td></td></tr><tr><td>9</td><td>Additional power losses on the line, %</td><td>0</td><td></td></tr><tr><td>10</td><td>Average expected lifespan, years</td><td>30 years</td><td></td></tr><tr><td>11</td><td>UV resistance ****, h</td><td>1000</td><td></td></tr><tr><td>12</td><td>Weight, kg</td><td>9.3 kg</td><td></td></tr><tr><td>13</td><td>Maintenance</td><td>1 visual inspection/ year</td><td></td></tr><tr><td></td><td>Reference</td><td>SAD069.Z.WW920</td><td></td></tr><tr><td>14</td><td>*According to IEC 60038 **According to IEC 60071-1 ***According to IEC 6009-8 ****According to ISO 4892-2, method A, IEC 62217</td><td>IEC 60038 IEC 60071-1 IEC 6009-8 ISO 4892-2, method A, IEC 62217</td><td></td></tr></table>	ITEM	DESCRIPTION	SUPPLIER'S DATA		SPECIFICATIONS	QTY.	1	Lightning Arresster		20 sets		Electrical Line Parameters			1	Highest voltage for equipment*, kV	72.5 kV		2	Maximum prospective fault current, kA	5 kA		3	External air gap, mm	80+80+120mm		4	Power frequency withstand voltage**, kV(wet/dry)	140/140kV			Lightning Parameters			5	Lightning discharge capacity (200us) **, C	2.8		6	High current impulse (4/10us), kA	65 kA		7	Maximum quenching lightning current, kA	20(8/50 microseconds)		8	Minimum withstand amount of operations	10			General Parameters			9	Additional power losses on the line, %	0		10	Average expected lifespan, years	30 years		11	UV resistance ****, h	1000		12	Weight, kg	9.3 kg		13	Maintenance	1 visual inspection/ year			Reference	SAD069.Z.WW920		14	*According to IEC 60038 **According to IEC 60071-1 ***According to IEC 6009-8 ****According to ISO 4892-2, method A, IEC 62217	IEC 60038 IEC 60071-1 IEC 6009-8 ISO 4892-2, method A, IEC 62217			
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		Quantity: 20 set 1 set is composed of the ff: - 1 unit of LLPD d69z, up to 72.5 kV lines, BFO and DLS protection, PPS frame, set of 4 rings Pack size: 1 set/box - 1 unit of Insulator for LLPD d69z (3 sections), socket / ball eye (size 20 according to IEC60120), Specific load 160 kN Routine load 80kN, Creepage distance , mm - 1730 - 1 set Installation accessories as needed for adoption of the above LLPD set to the existing installation. Site inspection is needed to determine the needed accessories.																																																																																				

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