INCLUDING OFFICE COUNTED AND LIVESSAME SOLUTIONS CONTRIBUTION OF A STATE OF A	DIAMETER 1: 500 KY OUTDOOR EQUIPMENT BIT I FEEDER - FUTURE OHL PEMALANG II FEEDER (refer to single line diagram drawing) CIRCUIT BREAKER; 3 POLE COMPLETE WITH OPERATING MECHANISM SUITABLE FOR SINGLE PHASE HIGH SPEED AUTO-RECLOSURE AND DELAYED 3 POLE AUTO-RECLOSURE, COMPLETE WITH CONTROL CUBICLE	m	3 4 4	SATUAN	PROCUREMENT  UAN TOTAL  6 = 3 X 5	SATUAN 7	T 8=3X7	SATUAN 9	IN TOTAL 10=3 X 9	GRAND TOTAL 11 = 6 + 8 + 10	KETERANGAN
3 Unit Sets Subrotal 1.1 Sets 1 Sets	AND ALL LOCAL CONTROL APARATUS,  NICLUDING ANTI-CONDENSATION HEATERS, AUXILIARY SWITCHES,  TERMINALS, LABELS AND ALL NECESSARY EQUIPMENT.  WITH SPE GAS MONTORING.  (Include with necessary claims and connector to connect existing busbar or diameter)  (I set of Circuit breaker without closing resistance)  DISCONNECTOR, 3 POLE MOTOR OPERATED WITH OPERATING  MECHANISM AND LOCAL CONTROL APPARATUS COMPLETE  TERMINALS, LABELS, INTERLOCKS AND ALL NECESSARY EQUIPMENT. (Include with necessary claims and connector to connect existing busbar or diameter)  MANUALLY OPERATIDE EARTH SWITCH WITH OPERATING  MECHANISM AND LOCAL CONTROL APPARATUS COMPLETE  MECHANISM AND LOCAL CONTROL APPARATUS COMPLETE  WITH ANTI-CONDENSATION HEATERS, AUXILIARY SWITCHES  TERMINALS, LABELS, INTERLOCKS AND ALL NECESSARY EQUIPMENT.  (Include with necessary claims and connector to connect existing busbar or diameter)		s s tes								
3 Unit Sets Substant 1 Sets 1	р сущинска								SUBTOTAL I.1		
3 Unit Sets 1 Se	OHL PL'TU CILACAP I FEEDER - FUTURE OHL PL'TU I FEEDER (refet to single line diagram drawing) SURGED DIVERTER MOUNTED ON PORCELAIN INSULATING BASE; COMPLETE WITH SURGE COUNTER AND LEAKAGE CURRENT METER SURGE DIVERTER MOUNTED ON SILICON RUBBER INSULATING BASE; COMPLETE WITH SURGE COUNTER AND LEAKAGE CURRENT METER	w	Unit				_				
0	500 KV SUBSTATION SUPPORTING STRUCTURES SUPPORTING STRUCTURE FOR 3 PHASE CIRCUIT BREAKERS.	-	Sets						SUBTOTAL I.2		
	SUPPORTING STRUCTURE FOR SURGE DIVERTER SUPPORTING STRUCTURE FOR SWITCHBAY 3 PHASE DISCONNECTOR. SUPPORTING STRUCTURE FOR SWITCHBAY 3 PHASE DISCONNECTOR WITH INTEGRAL EARTH SWITCHES.	w + +	Unit Sets Sets								



Section of the control of the cont	E	DESKRIPSI	VOLUME	SATUAN	PROCUREMENT	EMENT	INLAND T	INLAND TRANSPORT	ERE	ERECTION	CE AND TOTAL	
The final point of the final p	-	2	67	4	SATUAN	TOTAL	SATUAN	TOTAL	SATUAN	TOTAL	SKAND IOIAL	KETERANGAN
Figure 2015	*	EDNIED IVI PAR MILE			,	0 = 3 X D	_	8=3×7	6	10 = 3 X 9	11=6+8+10	
Figure 6 and 2 to 1 to	1 7	SOUTSO RV 300 MVA POWER TRANSFORMER TRANSFORMER REGULATOR PANEL FOR 18T 500/150KV 500MVA (TO COMPLETE SAS SYSTEM GITET KESUGIHAN) CONSIST OF:	-	Sets								
Control of the Section Control of the Secti		at Switch for Inter-bay system D with IEC 61850 Protocol	Units									
Public distributions and anticolitic anticolitic and anticolitic			Units									
State   Stat			Units									
Part May 17   Part May 17   Part May 18	Ŋ	THREE SINGLE PHASE UNIT OF TOTAL 500 MVA POWER TRANSFORMER SOOT/68X7.1 S.KV WITH ACESSORIES INCLUDING TRANSFORMER BUSHING WITH ACESSORIES INCLUDING TRANSFORMER OIL WITH CREEPAGED ISTANCE 31 MMKV AND TRANSFORMER OIL TRANSPORTATION BIT 500/150 KV from 500 KV Gral Substation to 500 kV Kesugihan Substation Transportation BIT 500/150 kV from 500 kV Tasikmalaya Substation to 500 kV Kesugihan Substation Transportation BIT 500/150 kV from 500 kV Jung Barung Substation to 500 kV Kesugihan Substation (Include loading, un-loading, insurance, XIAN supervision and survey route for transportation)	-	Set	Ed Aldding	86 JB						
PRIAMPY CORNER METTINGE STRUCTURES   PRIAMPY CORNER METTINGE STRUCTURES   PRIAMPY CORNER METTINGE STRUCTURES	m	RING TYPE CT'S FOR MOUNTING IN THE PRIMARY BUSHING TURRETS	ю	Sets	Supply P3	878	include 4.9	e de la constante de la consta				
Duty   Availage   Av	4	PRIMARY (500 KV SIDE) NEUTRAL CT (POST TYPE) 2 CORE WITH RATIO ; Core 1: 2000-1000/1 A, CLASS PX Core 2: 2000-1000/1 A, CLASS PX INCLUDING SUPPORTING STRUCTURES.	T	Unit			1	7.4 application of the control of th	include 4.2	include 4.2	-	
BECONDRAY 196 W SIDE) NEUTRAL CT 2 CORE WITH RATIO 2000-1000/1 A, CLASS X	10	CVT 70 KV/100 V OUTDOOR TYPE INCLUDING SUPPORTING STRUCTURES	e	Chit								
Come 1: 2000-100001 A, LOUASS PK         Come 1: 2000-100001 A, LOUASS PK         POST TYPE) JOURNOOR TYPE INCLUDING SUPPORTING STRUCTURES.         1         Set         Include 4.1         Include 4.2         Include 4.1         Include 4.2         Include 4.	10	MOUNTING TO FIREWALL SECONDARY (150 KV SIDE) NEUTRAL CT 2 CORE WITH RATIO 2000-1000(1 a. C.) asse y	,									
PARALLE LOPERATION DEVICE (I PANEL).         Set         Include 4.1         Include 4.2         Inclu		Core 1:2000-1000/1 A, CLASS PX Core 2:2000-1000/1 A, CLASS PX (POST TYPE) OUTDOOR TYPE INCLUDING SUPPORTING STRUCTURES.	-	Tion of								
PARALLEL OPERATION DEVICE (1 PANEL).  Cable XLPE single core 1x 7000 mm² 72.5 kV for Deta Connection of THREE UNIT POWER  Cable Sealing End 72.5 kV for Deta Connection of THREE UNIT POWER  Cable Sealing End 72.5 kV for Deta Connection of HTREE UNIT POWER  Cable Sealing End 72.5 kV for Deta Connection of HT Terrising Winding include with supporting structure  Hollow for Nautral EHV & Neutral HV Connection (Include Clamps, Steal Structure, 1 Lot Cable Sealing End 72.5 kV for Deta Connection (Include Clamps, Steal Structure, 1 Lot Cable Sealing End 72.5 kV for Deta Connection (Include Act Clamps, Steal Structure, 1 Lot Connection (Include Act Clamps, Steal Structure, 1 Set Supply P3B JB Include 4.2 Include 4	_	FREE STANDING TRANSFORMER MARSHALLING KIOSK.	-	Set								
Cable XLPE single core 1 x 1000 mm² 72.5 kV for Delta Connection of THREE UNIT POWER  TRANSFORMER 500 MVA, 500 / 168 / 71.5 kV for Delta Connection of ITT Tersiery Winding include with supporting structure  Cable Sealing End 72.5 kV for Delta Connection of IBT Tersiery Winding include with supporting structure,  Lot  Cable Sealing End 72.5 kV for Delta Connection of IBT Tersiery Winding include with supporting structure,  Hollow for Neutral ENV & Neutral HV Connection (Include Clamps, Steel Structure,  Hollow for Neutral ENV & Neutral HV Connection (Include Clamps, Steel Structure,  TRANSFORMER BLAST AND FIRE PREVENTION EQUIPMENT  TRANSFORMER BLAST AND FIRE PREVENTION ECOUNG SYSTEM,  TRANSFORMER REAL TIME MONITORING SYSTEM SOUND BE COMING SYSTEM,  ALARM COMPLETE THE SCOPE OF WORK FOR 3 BANK POWER TRANSFORMER.  TEACH STORM STAND STRUCTURE BLAST AND PANEL CONTROL.  TRANSFORMER ELE IT MOST UNITED TO TEMPERATURE COLUMG SYSTEM,  ALARM COMPLETE THE SCOPE OF WORK FOR 3 BANK POWER TRANSFORMER.		PARALLEL OPERATION DEVICE (1 PANEL).	िप	Set								
Cable Sealing End 72,5 kV for Delta Connection of IBT Tersiery Winding include with supporting structure Hollow for Neutral EHV & Neutral EHV	-	Cable XLPE single core 1 x 1000 mm² 72,5 kV for Delta Connection of THREE UNIT POWER TRANSFORMER 500 MVA, 500 / 168 / 71.5 KV (Approx 70 meter)		Set	Include 4.1	Include 4.1	Include 4.1	Include 4.1	Include 4.1	Include 4.1		
Hollow for Neutral HV Connection (Include Clamps, Steel Structure, 1 Lot Post Insulator, etc to complete scope of work)  CONTROL CABLES AND ACCESSORIES FOR PROPER OPERATION OF THE TRANSFORMER BLAST AND FIRE PREVENTION EQUIPMENT  TRANSFORMER BLAST AND FIRE PREVENTION EQUIPMENT  TRANSFORMER REAL TIME MONITORING SYSTEM SHOULD BE COMPLETE WITH SOFTWARE ANALYSIS, COMPONENTS  VITH HIM COMPLETE WITH SOFTWARE ANALYSIS, COMPONENTS  COMPRISING OF I.E BUT NOT LIMITED TO TEMPERATURE COOLING SYSTEM,  ALARM CONTACTS & ANCILLARIES, LOAD TAP CHANGER AND PANEL CONTROL,  "ETC TO COMPLETE THE SCOPE OF WORK FOR 3 BANK POWER TRANSFORMER."	_	Cable Sealing End 72,5 kV for Delta Connection of IBT Tersiery Winding include with supporting structure	Ø	Unit								
CONTROL CABLES AND ACCESSORIES FOR PROPER OPERATION OF THE THREE UNIT POWER TRANSFORMER BLAST AND FIRE PREVENTION EQUIPMENT TRANSFORMER BLAST AND FIRE PREVENTION EQUIPMENT TRANSFORMER REAL TIME MONITORING SYSTEM, WITH HIM COMPLETE WITH SOFTWARE ANALYSIS, COMPONENTS COMPRISING OF I.E BUT NOT LIMITED TO TEMPERATURE COOLING SYSTEM, ALARM CONTACTS & ANCILLARIES, LOAD TAP CHANGER AND PANEL CONTROL.  "ETC TO COMPLETE THE SCOPE OF WORK FOR 3 BANK POWER TRANSFORMER."	_	Hollow for Neutral EHV & Neutral HV Connection (Include Clamps, Steel Structure, Post Insulator, etc to complete scope of work)	-	Lot								
TRANSFORMER BLAST AND FIRE PREVENTION EQUIPMENT  TRANSFORMER REAL TIME MONITORING SYSTEM SHOULD BE COMPLETE WITH SOFTWARE ANALYSIS, COMPONENTS COMPRISING OF I.E BUT NOT LIMITED TO TEMPERATURE COOLING SYSTEM, TARANSFORMER REAL TIME MONITORING SYSTEM, TRANSFORMER TRANSFORMER, TRANSFORMER REAL TIME MONITORING SYSTEM, TRANSFORMER TRANSFORMER, TRANSFORMER TRANS		CONTROL CABLES AND ACCESSORIES FOR PROPER OPERATION OF THE THREE UNIT POWER TRANSFORMER 500 MVA, 500 / 168 / 71.5 KV	-	Set								
TRANSFORMER REAL TIME MONITORING SYSTEM SHOULD BE COMPLETE  WITH HIM COMPLETE WITH SOFTWARE ANALYSIS, COMPONENTS COMPRISHED TO TEMPERATURE COOLING SYSTEM, ALARM COMPLETE THE SCOPE OF WORK FOR 3 BANK POWER TRANSFORMER.	0.	TRANSFORMER BLAST AND FIRE PREVENTION EQUIPMENT	ю	Sets	Supply P3B	8	c A obuloni					
		TRANSFORMER REAL TIME MONITORING SYSTEM SHOULD BE COMPLETE WITH HIM COMPLETE WITH SOFTWARE ANALYSIS, COMPONENTS COMPRISION OF ILE BUT NOT LIMITED TO TEMPERATURE COOLING SYSTEM, ALARM CONTACTS & ANCILLARIES, LOAD TAP CHANGER AND PANEL CONTROL ETC TO COMPLETE THE SCOPE OF WORK FOR 3 BANK POWER TRANSFORMER.	-	Set	Supply P3B	B 87	include 4.2	include 4.2	include 4.2	include 4.2		REN SIP UIP VII

REN EM UIP VII

E	DESKRIPSI		VOLUME SATUAN	SATUAN	PROCU	PROCUREMENT	INLAND	INLAND TRANSPORT		ERECTION				
+					SATUAN	TOTAL	SATUAN	TOTAL	CATILAN	-	T	GRAND TOTAL	KETERANGAN	_
-	7		8	4	2	6=3X5	7	-	40.45	10 AL 3 V.D	+			
	SUBSTATION AUTOMATION (1 IBT FEEDER)								•	2	-	11 = 6 + 8 + 10		
1.3	BAY CONTROL UNIT CUBICLE FOR DIAMETER 1 Composine:		-	Sets		<u>.</u>								
	Ethemet Switch for Inter-bay system  ED Bay Control (Including mimic diagram)  Circuit breaker failure and Short zone protection  Circuit breaker failure and Short zone protection  Circuit breaker failure and Short zone protection  Panel cubicle  Including miscellaneous equipment and material, rack cabinet, cables, clamps, connectors, compression terminal, connection to individual teans of equipment, test terminal, auxiliary relay, interior lamp, heater Etc. to complete the score	0 + + 0	Units Units Units				F		<u> </u>					
-	of works.													
202 112030	PROTECTION CUBICLE FOR DIAMETER 1 Comprising:  An arsformer Protection  - Tentansformer Differential protection. Restricted earth fault 500 kV and 150 kV.  - Tentansformer differential protection. Restricted earth fault 500 kV and 150 kV.  - Other transformer protection from 500 kV  - Other transformer protection from 100 kV  -	N.F.F	Units Units Units	Sets										
- m=0%9	Main B Transformer Protection  - Ethernet Switch for Inter-bay system  - Transformer differential protection Restricted earth fault 500 kV and 150 kV.  - Neutral Overvirmer protection for 150 kV  - Other transformer protection function  - Including miscellaneous equipment and material, rack cabinet, cables, clamps, connectors, compression terminal, comendor to individual items of equipment, test terminal, auxiliary relay, interior lamp, heater Etc. to complete the scope of works. Installation of Luphine connectors and accessories	N	Units Units Units											



SUBTOTAL 1.5



STATION   STAT		DESKRIPSI	VOLUME	E SATUAN	PROCUREMENT	REMENT	INLAND TI	INLAND TRANSPORT	ERE	ERECTION		
1   5   5   5   5   5   5   5   5   5	-	~		-	SATUAN	TOTAL	SATUAN	TOTAL	SATUAN	TOTAL	GRAND IOIAL	KETERANGAN
Per Countricate and Decisional Participate   Per Countricate   P			2	4	2	6=3×5	7	8=3X7	6	10 = 3 X 9	11 = 6 + 8 + 10	
Page		PROVISIONAL SUM FOR MISCELLANEOUS STEEL POST AND BEAM, INSULATOR SET, CONDUCTORS AND FOUNDATION WORK PRICES FOR 150kV INTERCONNECTOR										
ENANTEE, STACTURE & N. W. M. P. P. M.	6.1	POST STEEL STRUCTURE 18 M	60	S.								
Season   S	6.2	BEAM STEEL STRUCTURE 32 M	-	2 y								
150 NO SHOLE ENGOING STRING COUNTED   15 SHE   SHE		BEAM STEEL STRUCTURE 14 M	. 2	Sets s								
D. Sets ENS CELUKAN BAWANG NA		150 KV SINGLE TENSION STRING 120 KN INSULATOR SET FOR 1 x LUPINE COMPLETE WITH FITTINGS FOR INSTALLATION OF THE LINE BAY AS SPECIFIED.	18	Sets						L		
D. 2 Selts EKS CELUKAN BAWANG NA										SUBTOTAL 1.6		
D. Selts EKS CELUKAN BAWANG NA		KESUGIHAN (NEW RAWALO) 150 KV SUBSTATION							SUBTOTAL I. 500	KV SUBSTATION		
D. Seris EKS CELUKAN BAWANG NA		150 KV LINE BAY: 2 BAYS (OHL GOMBONG LINE 1 & 2)										
D. WITH         3         Units         EKS CELUKAN BAWANG         NA         NA         NA           DARY SHATH         3         Units         EKS CELUKAN BAWANG         NA         NA         NA           NECESSARY EQUIPMENT         1         Lot         EKS CELUKAN BAWANG         NA         NA		150 kV 3 PHASE DISCONNECTING SWITCH MOTOR OPERATED. 40 kA 3150 A WITHOUT EARTHING SWITCH, COMPLETE WITH CLAMPS AND SUPPORTING STRUCTURE FOR LINE BAY.	. 7	Sets	EKS CELUKAI	N BAWANG	NA	NA				
VITH Outs         3         Units         EKS CELUKAN BAWANG         NA         NA         NA           POARY VATH         3         Units         EKS CELUKAN BAWANG         NA         NA         NA           WITH NECESSARY EQUIPMENT         1         Lot         1         Lot         SUITH           NECESSARY EQUIPMENT         1         Lot         REKS CELUKAN BAWANG         NA         NA		150 kV 3 PHASE DISCONNECTING SWITCH MOTOR OPERATED, 40 kA 3150 A WITH EARTHING SWITCH, COMPLETE WITH CLAMPS AND SUPPORTING STRUCTURE FOR LINE BAY.	-	Sets	EKS CELUKAI	N BAWANG	NA	NA				
6   Units   1   Lot   Lot   Lot   Substitution Bawang   Na   Na   Na   Na   Na   Na   Na   N		150 kV CURRENT TRANSFORMER FOR LINE BAY COMPLETE WITH CLAMPS AND SUPPORTING STRUCTURE COMPRISING: CORE 1: 1500-3000/1 A, CLASS SP20 + 0.2 for Distance Protection/ Line Differential CORE 2: 1500-3000/1 A, CLASS SP20 + 0.2 for Over Current Protection, earth Fault Protection and Instrument Metering CORE 3: 2000-4000/1 A, CLASS X CORE 4: 2000-4000/1 A, CLASS X for Main Busbar Protection	м	Units	EKS CELUKAI	N BAWANG	A	AN				
NECESSARY EQUIPMENT 1 Lot   1		150 KV CAPACITOR VOLTAGE TRANSFORMER WITH 2 SECONDARY WINDING, RATIO 1500000V:V3 100V:V3, BURDEN 100 VA CL 0.2, 150 VA CL 3P, MIN. CAPACITANCE 5000 PF, COMPLETE WITH CLAMPS, SUPPORTING STRUCTURE.	ю	Units	EKS CELUKAN	V BAWANG	A	NA				
NECESSARY EQUIPMENT 1 Lot Substitute		150 KV LIGHTNING ARRESTER, 20 KA, COMPLETE WITH CLAMP, SUPPORTING STRUCTURE AND SURGE COUNTER.	9	Units								
NECESSARY EQUIPMENT 1 Lot SUBTOTAL II.1  3 Units EKS CELUKAN BAWANG NA NA NA NA		SET OF CLAMPS, CONNECTORS AND ACCESSORIES FOR THE INSTALLATION OF THE LINE BAY AS SPECIFIED.	· —	Lot								
SUBTOTAL II.1  3 Units EKS CELUKAN BAWANG NA NA		LV POWER CABLE, CONTROL CABLE AND ACCESSORIES AND NECESSARY EQUIPMENT (cable ladder, damp, cable lug, terminal, etc.) for line bay to complete the specified scope of work.		Lot								
3 Units EKS CELUKAN BAWANG NA										SUBTOTAL II.1		
AN DESCRIPTION OF THE PROPERTY		150 KV LINE BAY: 1 BAYS (OHL RAWALO 2) 150 KV LIGHTNING ARRESTER, 20 KA, COMPLETE WITH CLAMP,	e	Units	EKS CEL	OWYMAN	:	2000)				
		SUPPORTING STRUCTURE AND SURGE COUNTER.	_	2		DAWANG	A A	A				

TOTAL   SATUAN   SATUAN   NA   NA   NA   NA   NA   NA   NA	E E	DESKRIPSI	VOLUME	E SATUAN		PROCUREMENT	INLAND T	INLAND TRANSPORT	EREC	ERECTION	SPANOT GRAND	
1   Sets   EKS CELUKAN BAWANG   NA	1	2	c		SATUAN	TOTAL	SATUAN	TOTAL	SATUAN	TOTAL	GRAND IOIAL	KETERANGAN
6 Sets 1 Bay 1 Lot 2 Sets 1 Sets EKS CELUKAN BAWANG 3 Units EKS CELUKAN BAWANG 1 Sets 1 Sets 1 Sets 1 Lot 1 Lot 1 Lot 2 Lot 3 Units EKS CELUKAN BAWANG NA N			7	4	40	6=3×5	7	8=3X7	6	10 = 3 X 9	11 = 6 + 8 + 10	
6 Sets Sets Sets EKS CELUKAN BAWANG NA		150 KV OUTLET IBT 500/150 KV : 1 BAYS										
2 Sets EKS CELUKAN BAWANG NA NA NA Lot Sets EKS CELUKAN BAWANG NA NA NA NA NA Sets EKS CELUKAN BAWANG NA NA NA NA LOT Sets EKS CELUKAN BAWANG NA NA NA NA LOT LOT NA LOT NA		150 KV SINGLE SUSPENSION STRING INSULATOR SET FOR 1 X LUPINE COMPLETE WITH FITTINGS FOR INSTALLATION OF THE LINE BAY AS SPECIFIED.	φ	Sets								
2 Sets EKS CELUKAN BAWANG NA NA NA Units EKS CELUKAN BAWANG NA NA NA Sets EKS CELUKAN BAWANG NA NA NA 1 Sets EKS CELUKAN BAWANG NA NA NA 1 Lot Lot		150KV POST INSULATOR 5270 mm CREEPAGE DISTANCE COMPLETE WITH CLAMPS AND SUPPORTING STRUCTURE FOR DROPPER TO BUS DISCONNECTOR	2	Sets								
2 Sets EKS CELUKAN BAWANG NA NA NA Units EKS CELUKAN BAWANG NA NA NA Sets 1 Sets EKS CELUKAN BAWANG NA NA NA 1 Sets EKS CELUKAN BAWANG NA NA NA 1 Lot Lot Lot		SET OF CLAMPS, CONNECTORS AND ACCESSORIES FOR THE INSTALLATION OF THE TRAFO BAY AS SPECIFIED.	-	Bay								
2 Sets EKS CELUKAN BAWANG NA NA NA NA Sets Units EKS CELUKAN BAWANG NA NA NA NA Sets EKS CELUKAN BAWANG NA NA NA NA Lot Lot Lot Lot		SET OF CONDUCTOR FOR SHIELD WIRE AND ACCESSORIES FOR INSTALLATION OF THE OUTLET IBT SHIELD WIRE AS SPECIFIED.	-	Lot								
3 Units EKS CELUKAN BAWANG NA NA NA 1 Sets EKS CELUKAN BAWANG NA NA NA 1 Sets EKS CELUKAN BAWANG NA NA NA 1 Lot Lot		150 kV 3 PHASE DISCONNECTING SWITCH MOTOR OPERATED, 40 kA 3150 A WITHOUT EARTHING SWITCH, COMPLETE WITH CLAMPS AND SUPPORTING STRUCTURE FOR TRANSFORMER BAY.	N	Sets	EKS CELUK	AN BAWANG	NA	Ą				
3 Units EKS CELUKAN BAWANG NA NA NA Sets 1 Sets EKS CELUKAN BAWANG NA NA NA 1 Lot Lot		150 kV 3 PHASE SF6 CIRCUIT BREAKER 50 kA 3150 A, COMPLETE WITH CLAMPS AND SUPPORTING STRUCTURE FOR TRANSFORMER BAY. WITH SF6 GAS MONITORING	-	Sets	EKS	SRATI	NA	NA				
1 Sets EKS CELUKAN BAWANG NA NA NA Sets EKS CELUKAN BAWANG NA NA NA 1 Lot Lot		150 kV CURREINT TRANSFORMER FOR 500 MVA INTERBUS TRANSFORMER BAY COMPLETE WITH CLAMPS AND SUPPORTING STRUCTURE COMPRISING: Core 1: 2000-4000/14, class 5P20 for Main Transformer Protection Core 2: 2000-4000/14, class 5P20-40, 2 for main Transformer Protection, for AVR & Metering Core 3: 2000-4000/14, class X for Back Up Protection Core 4: 2000-4000/14, class X for Main Busbar Protection	м	Units	EKS CELUK	AN BAWANG	N A	Ā				
1 Sets 1 Sets 1 Sets EKS CELUKAN BAWANG NA NA NA 1 Lot 1 Lot		150 KV LIGHTNING ARRESTER, 20 KA, COMPLETE WITH CLAMP, SUPPORTING STRUCTURE AND SURGE COUNTER.	ю	Units	EKS CELUKA	N BAWANG	NA	Ą				
1 Sets EKS CELUKAN BAWANG NA NA NA 3 Units EKS CELUKAN BAWANG NA NA 1 Lot		PROTECTION & CONTROL CUBICLE FOR IBT ON 150KV SIDE COMPRISING: Ethernet Switch for Inter-bay system-1 IED Bay Control INCLUDINS MISCELLANEOUS EQUIPMENT AND MATERIAL, RACK CABINET, CABLES, CLAMPS, CONNECTORS, COMPRESSION TERMINAL, CONNECTION TO INDIVIDUAL TITRISO PE EQUIPMENT, TEST TERMINAL, AUXILIARY RELAY, INTERIOR LAMP, HEATER ETC, TO COMPLETE THE SCOPE OF WORKS.	+	Sets								
3 Units EKS CELUKAN BAWANG NA NA NA 1 Lot		MARSHALLING KIOSK FOR TRAFO BAY	-	Sets								
3 Units EKS CELUKAN BAWANG NA NA 1 Lot		150 KV 3 PHASE DISCONNECTING SWITCH MOTOR OPERATED, 40 KA 3150 A WITH EARTHING SWITCH, COMPLETE WITH CLAMPS AND SUPPORTING STRUCTURE FOR LINE BAY. FOR IBT 1 (GENERAL LAYOUT, BAY 2)	-	Sets	EKS CELUKA	N BAWANG	Ā	AA				
1 Lot		150 kV CAPACITOR VOLTAGE TRANSFORMER WITH 2 SECONDARY WINDING, RATIO 150000V:V3 / 100V:V3 / 100V:V3 / 100V VA CL 3P, MIN. CAPACITANCE 5000 PF, COMPLETE WITH CLAMPS, SUPPORTING STRUCTURE.	ю	Units	EKS CELUKAI	N BAWANG	Ā	NA				
SUBTOTAL II.3	1	LV POWER CABLE, CONTROL CABLE AND ACCESSORIES AND NECESSARY EQUIPMENT (cable ladder, clamp, cable lug, terminal, etc.) for transformer bay to complete the specified scope of work.	٣	Ĕ								
										SUBTOTAL II.3		





	ITEM	DESKRIPSI	VOLUI	VOLUME SATUAN		PROCUREMENT	INLANDT	INLAND TRANSPORT	ERE	ERECTION		
1   Lot   NA	T	2	-		SATUAN	TOTAL	SATUAN	TOTAL	SATUAN	TOTAL	GRAND TOTAL	KETERANGAN
250 min NA			7	4	ı.c	6=3×5	7	8=3X7	6	10 = 3 X 9	11=6+8+10	
256 Each NA		MISCELLANEOUS										
250 Each NA		MISCELLANEOUS EQUIPMENT AND MATERIAL REQUIRED FOR COMPLETION THE SCOPE OF WORK;	-	Lot								
2.50 m² NA		Installation of BC Ground 240 mm2 and accessories 500 kV EHV connectors and accessories (DIA 3, DIA 4, DIA 5, DIA 6, etc)										
SUBTOTAL II.4  1 Sets 1 Sets 1 Sets 1 Sets 1 Sets 1 Sets 1 Lot N/A N/A N/A N/A N/A N/A SUBTOTAL II. 150 t/V SUBSTATION (II.1.1.4.)  1 Lot N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A		Bore Pile D 60 cm Concrete K225 Sondir Boring	2 2 1	m. Each	NA N/A	NA N/A	N/A N/A	NA N/A N/A				
SUBTOTAL II.4  1 Sets 1 Sets 1 Sets 1 Sets 1 Lot N/A N/A N/A N/A N/A N/A N/A SUBTOTAL III. 150 kV SUBSTATION (II.1-II.4.)  1 Lot N/A N/A N/A N/A SUBTOTAL III  1 Lot N/A N/A N/A N/A N/A SUBTOTAL III  SUBTOTAL III. 150 kV SUBSTATION (II.1-II.4.)												
1 Sets 1										SUBTOTAL II.4	•	  -  -
1 Sets 1 Sets 1 Sets 1 Lot NIA NIA NIA NIA NIA SUBTOTALIII 1 Lot NA NA NA NA SUBTOTALIII 1 Lot NA NA NA NA SUBTOTALIII								SUBTO	TAL II. 150 KV SUE	STATION (II.1-II.4)		
1 Sets 1 Sets 1 Sets 1 Lot N/A N/A N/A N/A N/A N/A SUBTOTAL III 1 Lot N/A N/A N/A N/A N/A SUBTOTAL III 1 Lot N/A		MISCELLANEOUS FOR SUBSTATION COMMON FACILITY										
1 Sets 1 Sets 1 Lot N/A N/A N/A N/A SUBTOTAL III 1 Lot NA NA NA NA NA SUBTOTAL IVI		110 V DC Battery suitable for supplying all 110 V DC load for 8 hours discharge. (minimum capacity is 300 AH 110V DC, subject to calculation for minimum of 10 bays) and emergency lamp.		Sets								
1 Sets N/A N/A N/A N/A Substituting Substitution Substituting Substituting Substituting Substituting Substitution Substituting Substituting Substituting Substituting Substituting Substituting Substituting Substitution Substitution Substitu		Battery charger min. 80 A for 110V DC Battery complete with Panel Board (subject to calculation).	-	Sets								
1 Lot NIA NIA NIA SUBTOTAL III SUBTOTAL IVI TESTING AND COMMISCIONING		110V DC Switch Fuse Distribution Board suitable for 110V DC battery set, HV equipment of minimum 10 bays, MV switchgear, etc. To complete the specified scope of work, including necessary spare MCB.	-	Sets								
1 Lot NA NA NA NA SUBTOTAL III SUBTOTAL IVI TESTING AND COMMISCIONING		DFR1 untuk diameter 182 (1 IBT feeder + 1 spare)	-	Sets								
SUBTOTAL III  1 Lot NA NA NA SUBTOTAL IV		Adaptation and interface with existing busbar protection - automation substation (SAS)	-	Lot	N/A	N/A	N/A	N/A				
1 Lot NA NA NA SUBTOTAL IV. TESTING AND COMMISSIONING										SUBTOTAL III		
SUBTOTAL IV TESTING AND COMMISCIONING		TEST DAN COMMISIONING Test and Commisioning	F	Lot	A	A A	A	NA				
								SUBTOTAL	IV TESTING AND	Common		



	DESKRIPSI	VOLUME	VOLUME SATUAN	PROCUREMENT	KEMENI	INCAND T	INLAND TRANSPORT	ERE	ERECTION	CDAND TOTAL	-
	2			SATUAN	TOTAL	SATUAN	TOTAL	SATUAN	TOTAL	GRAND TOTAL	KEIEKANGAN
	4	r	4	20	6=3 X 5	7	0-26-				
FOUNDATION WORK							140-0	20	10 = 3 X 9	11 = 6 + 8 + 10	
Interbus Transformer 188 MVA (Single Dhase)	MVA (Single Dhase)	N									
Fire Prevention	(popularis)	60	Chit	AN	NA	NA	414				
Eiro Mall for transfer		3	Unit	AN	MA		2				
ile wall for ilansiormer		4	tici	NIA	C :	NA.	AN				
Lightning Arester			1 :	1	NA	AN	AN				
FOUNDATION MODIFICA EARTHING SWITCH	FOUNDATION MODIFICATION OF 150 KV 3 PHASE DISCONNECTING SWITCH WITHOUT EARTHING SWITCH	w 4	Set	A A	A A	A A A	Y Z				
FOUNDATION MODIFICA	FOUNDATION MODIFICATION OF 150 kV 3 PHASE DISCONNECTING SWITCH WITH	c	ć			S	Z.				
EARTHING SWITCH		7	Set	AN	NA	AN	AN				
ADAPTERING FOUNDAT	ADAPTERING FOUNDATION OF 150 KV CURRENT TRANSFORMER FOR LINE BAY INCLUDE BOLT &	9	Chit								
DAPTERING FOUNDAT	ADAPTERING FOUNDATION OF 150 KV LIGHTNING APPESTED WOULD DO SEED TO SE	-	Unit	NA	NA	AN	AM				
	SON CONTROL PRINCIPLE INCLUDE BOLL & NOTS (Adaptering	9	Cuit								
OUNDATION MODIFICA	FOUNDATION MODIFICATION OF 150 kV 3 PHASE SF6 CIRCUIT BREAKER (1 Set = 3 Unit)	-	Set	AN	AN	MA	1				
TERING FOUNDAT	MITTER A THE MINISTER HE BOUNDATION OF 150 KV CAPACITOR VOLTAGE TRANSFORMER INCLUDE BOLT &					4	£ 2				
NOTS (Adaptering with steel ST 37 @ 40 Kg/Unit)	sel ST 37 @ 40 Kg/Unit)	m	Cuit								
Cable rendit type 1 (Large wid	Cable bench type 1 (Large width > 80 cm, K225, U24 include Cover Galvanised, Cable	75	meter								
lay L. SO.SO.S alld PVC.	(ed)			NA	Y.	NA	NA				
Compacted gravel (tebal 20 Cm)	20 Cm)	4004									
Oil Pit		1024	MZ	AN	AN	AN	AN				
	E	3	Unit	NA	NA	NA	4N				
	Ó	SUBJUILIN FOUNDATION	COUNDATION	WORK							

