

CORRIGENDUM - 6**Dated 07.04.25**

Name of the Work	Supply, Erection, Testing and Commissioning of Receiving Substation with incoming Cabling from Grid Substation including 25 kV-AC Traction cum 33kV Auxiliary Main Sub- Stations, 25kV Overhead Equipment (FOCS), Auxiliary Power Supply & Other Associated Works on Viaduct, At-Grade & Stations including Soladevanahalli Depot and SCADA System for complete Corridor 2 & Corridor 4 of BSRP and includes any modification in existing OHE /PSI if required along the alignment of C2 and C4.”
Tender No.	K-RIDE/BSRP/PST/C2 & C4/2024 26/11/2024 TENDER NO. K-RIDE/BSRP/PST/C2&C4/2024 CPPP Tender No: 2024_KRIDE_216260_1

The following are the corrigendum pertaining to the above tender:

Sl. No	Clause / Item No. / Page no.	Corrigendum
1	Explanatory note RSS BOQ, 2 BILL NO. B2. GIS-S- GIS-E 220KV RSS, ITEM NO.6.1: 220 KV GIS INCOMING BAYS	<p>Replace: Clause: ITEM 6.1: 220 KV GIS INCOMING BAYS</p> <p>The price shall include the cost of supplying each 220 kV GIS incoming bay, as per Employer's requirements and drawings, mainly consisting of</p> <ul style="list-style-type: none"> - Circuit Breaker— 1 No. - Current Transformer— 1 No - Maintenance Earth Switch — 1 No. - Line Disconnecter— 1 No. - Line Earth Switch (Fast acting) – 1 No - Voltage Transformer with integrated isolation devices suitable for high voltage DC testing of cables. - Indoor lightning arrester- 2 Nos - Bus Disconnecter Switch — 2 Nos. - Bus end Maintenance Earth Switch — 1 No. <p>Including any other items as required for connection to the two bus bars, 220 kV incoming cables through lightning arrester and for completing the intent of work.</p>

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		<p>With: Clause: ITEM 6.1: 220 KV GIS INCOMING BAYS</p> <p>The price shall include the cost of supplying each 220 kV GIS incoming bay, as per Employer's requirements and drawings, mainly consisting of</p> <ul style="list-style-type: none"> - Circuit Breaker— 1 No. - Current Transformer— 1 No - Maintenance Earth Switch — 1 No. - Line Disconnecter— 1 No. - Line Earth Switch (Fast acting) – 1 No - Voltage Transformer with integrated isolation devices suitable for high voltage DC testing of cables. - Indoor lightning arrester- 3 nos. - Bus Disconnecter Switch — 2 Nos. - Bus end Maintenance Earth Switch — 1 No. <p>Including any other items as required for connection to the two bus bars, 220 kV incoming cables through lightning arrester and for completing the intent of work.</p>																														
2	Part2: Employer’s requirements/Chapter 13B: 220kV Receiving substations (GTP) /Cl. 7.1.1	<p>Replace: Clause: 7.1.1 220kV Voltage Transformer VTI-X and VTC-X (GIS)</p> <table border="1" data-bbox="516 1060 1610 1404"> <thead> <tr> <th data-bbox="516 1060 1094 1105">INDICATIONS</th> <th data-bbox="1094 1060 1287 1105">U</th> <th data-bbox="1287 1060 1610 1105">Values required</th> </tr> </thead> <tbody> <tr> <td data-bbox="516 1105 1094 1141">Manufacturer</td> <td data-bbox="1094 1105 1287 1141"></td> <td data-bbox="1287 1105 1610 1141"></td> </tr> <tr> <td data-bbox="516 1141 1094 1177">Place of manufacture</td> <td data-bbox="1094 1141 1287 1177"></td> <td data-bbox="1287 1141 1610 1177"></td> </tr> <tr> <td data-bbox="516 1177 1094 1213">Port of embarkation</td> <td data-bbox="1094 1177 1287 1213"></td> <td data-bbox="1287 1177 1610 1213"></td> </tr> <tr> <td data-bbox="516 1213 1094 1248">Manufacturer drawing reference</td> <td data-bbox="1094 1213 1287 1248"></td> <td data-bbox="1287 1213 1610 1248"></td> </tr> <tr> <td data-bbox="516 1248 1094 1284">Standards</td> <td data-bbox="1094 1248 1287 1284"></td> <td data-bbox="1287 1248 1610 1284">IEC 60186, 60517</td> </tr> <tr> <td data-bbox="516 1284 1094 1320">Type</td> <td data-bbox="1094 1284 1287 1320"></td> <td data-bbox="1287 1284 1610 1320">Indoor</td> </tr> <tr> <td data-bbox="516 1320 1094 1356">Type of substation</td> <td data-bbox="1094 1320 1287 1356"></td> <td data-bbox="1287 1320 1610 1356">GIS</td> </tr> <tr> <td data-bbox="516 1356 1094 1391">- Primary insulation voltage</td> <td data-bbox="1094 1356 1287 1391">kV</td> <td data-bbox="1287 1356 1610 1391">245</td> </tr> <tr> <td data-bbox="516 1391 1094 1404">- Operating voltage</td> <td data-bbox="1094 1391 1287 1404">kV</td> <td data-bbox="1287 1391 1610 1404">220</td> </tr> </tbody> </table>	INDICATIONS	U	Values required	Manufacturer			Place of manufacture			Port of embarkation			Manufacturer drawing reference			Standards		IEC 60186 , 60517	Type		Indoor	Type of substation		GIS	- Primary insulation voltage	kV	245	- Operating voltage	kV	220
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		- Rated frequency	Hz	50
		Rated short-time duration power frequency withstand voltage	kV	395
		Rated lightning impulse withstand voltage	kV	950
		Actual transformation ratio - Primary winding	kV	220/110
		- Secondary winding	v	
		Accuracy class		0.2
		Rated output at power factor 0,8 lagging	VA	25
		Total weight	kg	
		Overall dimension of one element	mm	
		Degree of protection for auxiliary circuit		IP3x
		With:		
		Clause: 7.1.1 220kV Voltage Transformer VTI-X and VTC-X (GIS)		
		INDICATIONS	U	Values required
		Manufacturer		
		Place of manufacture		
		Port of embarkation		
		Manufacturer drawing reference		
		Standards		IEC 60186, 60517
		Type		Indoor
		Type of substation		GIS
		- Primary insulation voltage	kV	245
		- Operating voltage	kV	220
		- Rated frequency	Hz	50
		Rated short-time duration power frequency withstand voltage	kV	395

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		Rated lightning impulse withstand voltage	kV	950																						
		Actual transformation ratio - Primary winding - Secondary winding	kV V	220/ $\sqrt{3}$ /0.11/ $\sqrt{3}$ /0.11/ $\sqrt{3}$ kV																						
		Accuracy class		0.2																						
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3	PART 2: EMPLOYER'S REQUIREMENTS, CHAPTER 11A: Auxiliary Substations, ANNEXURE-A3 Clause: 3 TECHNICAL REQUIREMENTS	<p>Replace: Clause: 3 TECHNICAL REQUIREMENTS (Characteristics)</p> <table border="1" data-bbox="520 781 1570 1386"> <tbody> <tr> <td data-bbox="520 781 1121 818">Climatic conditions</td> <td data-bbox="1121 781 1570 818">indoor operation</td> </tr> <tr> <td data-bbox="520 818 1121 855">Ambient temperature for design</td> <td data-bbox="1121 818 1570 855">50°C</td> </tr> <tr> <td data-bbox="520 855 1121 893">Operation</td> <td data-bbox="1121 855 1570 893">Continuous</td> </tr> <tr> <td data-bbox="520 893 1121 1024">Windings</td> <td data-bbox="1121 893 1570 1024">Aluminum for more than 200 kVA rating and Copper for 200 kVA & less rating</td> </tr> <tr> <td data-bbox="520 1024 1121 1062">Primary line voltage (across phases)</td> <td data-bbox="1121 1024 1570 1062">33 kV</td> </tr> <tr> <td data-bbox="520 1062 1121 1099">Secondary voltage, off-load</td> <td data-bbox="1121 1062 1570 1099">415 V</td> </tr> <tr> <td data-bbox="520 1099 1121 1136">Primary Insulation rated voltage</td> <td data-bbox="1121 1099 1570 1136">36 kV</td> </tr> <tr> <td data-bbox="520 1136 1121 1174">Frequency</td> <td data-bbox="1121 1136 1570 1174">50 Hz</td> </tr> <tr> <td data-bbox="520 1174 1121 1268">Rated short duration separate source AC withstand voltage (r.m.s.)</td> <td data-bbox="1121 1174 1570 1268">70 kV (for HV winding), 3 kV (for LV winding)</td> </tr> <tr> <td data-bbox="520 1268 1121 1347">Rated lightning impulse withstand voltage (peak value) (for HV winding)</td> <td data-bbox="1121 1268 1570 1347">200 kV</td> </tr> <tr> <td data-bbox="520 1347 1121 1386">Connections</td> <td data-bbox="1121 1347 1570 1386">Dyn11</td> </tr> </tbody> </table>			Climatic conditions	indoor operation	Ambient temperature for design	50°C	Operation	Continuous	Windings	Aluminum for more than 200 kVA rating and Copper for 200 kVA & less rating	Primary line voltage (across phases)	33 kV	Secondary voltage, off-load	415 V	Primary Insulation rated voltage	36 kV	Frequency	50 Hz	Rated short duration separate source AC withstand voltage (r.m.s.)	70 kV (for HV winding), 3 kV (for LV winding)	Rated lightning impulse withstand voltage (peak value) (for HV winding)	200 kV	Connections	Dyn11
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Sl. No	Clause / Item No. / Page no.	Corrigendum	
		Cooling	Air natural/Air forced
		Off load tap link (Not Required for 200 KVA or less rating transformers)	0, +2.5%, +5%
		With: Clause: 3 TECHNICAL REQUIREMENTS (Characteristics)	
		Climatic conditions	indoor operation
		Ambient temperature for design	50°C
		Operation	Continuous
		Windings	Aluminium for more than 200 kVA rating and Copper for 200 kVA & less rating
		Primary line voltage (across phases)	33 kV
		Secondary voltage, off-load	415 V
		Primary Insulation rated voltage	36 kV
		Frequency	50 Hz
		Rated short duration separate source AC withstand voltage (r.m.s.)	70 kV (for HV winding), 3 kV (for LV winding)
		Rated lightning impulse withstand voltage (peak value) (for HV winding)	170 kV
		Connections	Dyn11
		Cooling	Air natural
		Off load tap link	0, +2.5%, +5%
4	Part2: Employer's requirements/Chapter 2: Scope of work / Clause	Replace: Clause: 2.2.3 RSS Contractor's Scope	

Sl. No	Clause / Item No. / Page no.	Corrigendum
	2.2.3 RSS Contractor's Scope.	<p>The broad items of work which are included in the RSS Contractor's Scope are described below, and wherever an item is excluded from the Scope, it is specifically brought out.</p> <p>The Contractor shall submit Reliability, Availability and Maintainability and Serviceability (RAMS) Plan to the Employer for review and approval. After system's design has/have been completed, the Contractor shall re-verify, that the reliability, availability, maintainability and Serviceability (RAMS) requirements proposed by him in line with the contract requirements, shall be met.</p> <p>With: Clause: 2.2.3 RSS Contractor's Scope</p> <p>The broad items of work which are included in the RSS Contractor's Scope are described below, and wherever an item is excluded from the Scope, it is specifically brought out.</p> <p>The Contractor shall submit Reliability, Availability and Maintainability and Safety (RAMS) Plan to the Employer for review and approval. After system's design has/have been completed, the Contractor shall re-verify, that the reliability, availability, maintainability and Safety (RAMS) requirements proposed by him in line with the contract requirements, shall be met.</p>
5	Mainline 25kv OHE sectioning schematic diagram. Drawing number- KRDD01-TDR-CR02-GEN-OCS-SEC-00002	<p>Replace: Clause: KRDD01-TDR-CR02-GEN-OCS-SEC-00002-R0</p> <p>With: Clause: KRDD01-TDR-CR02-GEN-OCS-SEC-00002-R1</p>
6	Part2: Employer's requirements/Explanatory Notes- RSS/Item No. 22.4: Road	<p>Replace: Clause: ITEM NO.22.4.1: ACCESS ROAD</p> <p>The price under this item shall include the cost of strengthening/widening of an existing approach road and/or construction of an access road, to the Substation area, from the nearest existing road which has the necessary width and strength to permit movement of trucks/trailers, carrying power transformers and power supply equipment. The approach/access roads shall have a minimum width of 5.0m and a load carrying capacity to support 100-ton trailers. The radii of bends must be suitable for multiple-axle vehicles.</p>

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		<p>With: Clause: ITEM NO.22.4.1: ACCESS ROAD The price under this item shall include the cost of strengthening/widening of an existing approach road and/or construction of an access road, to the Substation area, from the nearest existing road which has the necessary width and strength to permit movement of trucks/trailers, carrying power transformers and power supply equipment. The approach/access roads shall have a minimum length of 80 meters, width of 5.0m and a load carrying capacity to support 100-ton trailers. The radii of bends must be suitable for multiple-axle vehicles.</p> <p>Replace: Clause: ITEM NO.22.4.2: RAIL-CUM-ROAD The price under this item shall include the cost of strengthening/widening from RSS entry gate to Transformers for movement of trucks/trailers, carrying power transformers and power supply equipment. The rail-cum-road shall have a minimum width of 5.0m and a load carrying capacity to support 100 ton trailers. The radii of bends must be suitable for multiple-axle vehicles.</p> <p>With: Clause: ITEM NO.22.4.2: RAIL-CUM-ROAD The price under this item shall include the cost of strengthening/widening from RSS entry gate to Transformers for movement of trucks/trailers, carrying power transformers and power supply equipment. The rail-cum-road shall have a minimum length of 80 meters, width of 5.0m and a load carrying capacity to support 100 ton trailers. The radii of bends must be suitable for multiple-axle vehicles.</p> <p>Replace: Clause: ITEM NO.22.4.3: RCC ROAD The price under this item shall include the cost other than the Access Road & Rail-Cum- Road of strengthening/widening of construction which has the necessary width and strength to permit movement of trucks/trailers, carrying power transformers and power supply equipment and shall have a minimum width of 5.0m and a load carrying capacity to support 100 tonne trailers. The radii of bends must be suitable for multiple-axle vehicles.</p> <p>With:</p>

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		<p>Clause: ITEM NO.22.4.3: RCC ROAD</p> <p>The price under this item shall include the cost other than the Access Road & Rail-Cum- Road of strengthening/widening of construction which has the necessary width and strength to permit movement of trucks/trailers, carrying power transformers and power supply equipment and shall have a minimum length of 80 meters, width of 5.0m and a load carrying capacity to support 100 tonne trailers. The radii of bends must be suitable for multiple-axle vehicles.</p>
7	PST Tender drawing_4	<p>Depot ASS equipment layout KRDD01-TDR-GEN-GEN-TPS-DWG-00034 (TYPICAL EQUIPMENT LAYOUT DRAWING FOR DEPOT ASS) enclosed.</p>
8	Mainline sectioning C-2 and Depot sectioning	<p>Replace: Tender Drawing no. KRDD01-TDR-CR02-GEN-OCS-SEC-00002_R0</p> <p>With: Tender Drawing no. KRDD01-TDR-CR02-GEN-OCS-SEC-00002_R1</p> <hr/> <p>Replace: Tender Drawing no. KRDD01-TDR-CR02-SLD-OCS-SEC-00001_R0</p> <p>With: Tender Drawing no. KRDD01-TDR-CR02-SLD-OCS-SEC-00001_R1</p>
9	DRG NO: KRDD001-TDR-CR04-GEN-OCS-SEC-00002	<p>Replace: Drawing no.: KRDD001-TDR-CR04-GEN-OCS-SEC-00002_R0</p> <p>With: Drawing no.: KRDD001-TDR-CR04-GEN-OCS-SEC-00002_R1</p>
10	Part2: Employer's requirements, Chapter 14:	<p>Replace: Clause: 2.2</p>

Sl. No	Clause / Item No. / Page no.	Corrigendum		
	DLP/AMC OF OHE, PSI AND SCADA	OHE EMERGENCY MATERIAL (T&P) TO BE KEPT IN CMV & EMERGENCY ROAD VEHICLE		
		S.No.	Item (T&P)	Qty.
		1	Pull Lift, 0.75 Ton	2
		2	Pull Lift, 1.5 Ton	1
		3	Pull Lift, 3 Ton	1
		4	Tirfor 3 Ton Cap with rope and handle	2
		5	Tirfor 1.5 Ton Cap with rope and handle	1
		6	Tirfor .75 Ton Cap with rope and handle	1
		7	Single Sleeve Pulley 6",4"	1 each
		8	Double sleeve Pulley 6"	2
		9	Double sleeve Pulley 4"	2
		10	D- Shackle Dia 25mm	2
		11	D- Shackle Dia 19 mm	2
		12	D- Shackle Dia 16 mm	4
		13	D- Shackle Dia 12 mm	4
		14	Φ 16x1.5 m flexible wire rope (Sling)	3
		15	Φ 19x1 m flexible wire rope (Sling)	3
		16	Φ 19x2.0 m flexible wire rope (Sling)	3
		17	Φ 19x1.5 m flexible wire rope (Sling)	3
		18	Come along clamp, RC	2
		19	Come along clamp, OPC	2

Sl. No	Clause / Item No. / Page no.	Corrigendum	
	20	Come along clamp, Contact Wire	4
	21	Come along clamp, Catenary	4
	22	Kink Remover	1
	23	Contact wire positioning Device (Al/Wooden)	1
	24	Mallet	1
	25	Hammer 1 kg(copper)	1
	26	Twister	1
	27	First Aid Box	01 no
	28	33 kV Hand Gloves.	1 Pair
	29	Hydraulic operated Crimping Tool with die	01 no
	30	Hand operated Crimping Tool with die	01 no
	31	Contact & Messenger wire cutter	01 no
	32	Dropper Wire Cutter	01 no
	33	Crow Bar	01 no
	34	Tommy Bar	01 no
	35	Manila Rope 1/2",3/4", 1" dia	15 m each
	36	Safety Belt	02 nos
	37	Operating Rod	01 no
	38	Discharge Rod	08 nos
	39	Aluminium Extendable Ladder 11 mtrs	01 no
	40	Aluminium Ladder 06/07 mtrs	01 no

Sl. No	Clause / Item No. / Page no.	Corrigendum		
		41	Halogen Lamp Assembly	04 no
		42	Search Light Rechargeable and Portable	04 no
		43	Spirit Level	01 no
		44	Bull Dog Clamp (1/2")	04 no
		S.No.	Item Spares	Approved Qty as per ACTM
		1	RC Suspension Clamp	2
		2	OPC Suspension Clamp	2
		3	OPC Splice	2
		4	RC Splice	1
		5	I - sec Steady Arm (High speed)	1
		6	Steady Arm, Bend Type for main line	4
		7	Steady Arm, Special Type for IOL	4
		8	9 Ton Adjuster	2
		9	Bracket Tube fitting	1
		10	Stay Tube fitting	1
		11	Complete Cantilever Assembly	1
		12	Continuity "G"2x 164 sq.mm Jumper	01 no
		13	Continuity "G" 2x105 sq.mm Jumper	01 no
		14	75, 26 sq.mm Jumper	01 no each
		15	OPC Strain Clamp	01 no
		16	BT, RT cap	02 each
		17	Anchor Double Strap Set	02 set
		18	Dropper lug	10 nos
		19	Section Insulator	01 no
		20	Hybrid Insulator, Stay Tube	2
		21	Hybrid Insulator, BT	2

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	22	Insulator, Hybrid 9 Ton	2
	23	Composite Insulator, 9 Ton	2 Nos
	24	Composite Insulator, ST	2 Nos
	25	Composite Insulator, BT	2 Nos
	26	Insulator, Disk	1
	27	Insulator, Pedestal	1
	28	Complete ATD Assly.	1 each type
	29	SS Wire Rope	1
	30	Earthing Clamps	1 each
	31	P.G. Clamp OPC	1
	32	Catenary Contact wire PG Clamp1031	4
	33	Catenary Contact wire PG Clamp 1041	4
	34	Catenary Contact wire PG Clamp 1051	4
	35	Splice Catenary	4
	36	Splice Contact	2
	37	Ending Cone, Catenary	3
	38	Ending Cone, Contact	2
	39	J – Bolt & Anchor U-Bolts	6 each type
	40	Swivel Clip	4
	41	Dropper Clip, Contact	6
	42	Dropper Clip, Catenary	6
	43	Dropper Wire piece, 10 Mtrs.	1
	44	Span dropper	12
	45	Inclined dropper	4
	46	Messenger Wire	20 m
	47	OPC wire	50 m
	48	Contact wire	20 m

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49	Complete Maintainer Tool Box with all tools of required sizes (Spanners, Ring spanners, Screw drivers, Pliers, Hack Saw, Hammers, adjustable wrench, Allen key set etc.)	2 boxes	
50	All type of Nuts, Bolts, 'U' Bolts, Washers, Rivets, Pins, Split pins etc.	20 Nos. each	
With:			
Clause: 2.2			
OHE EMERGENCY MATERIAL (T&P) TO BE KEPT IN CMV & EMERGENCY ROAD VEHICLE			
S.N.	Item Spares	Unit	Qty
1	Complete Cantilever Assembly	No	30.00
2	Steady Arm Bend Type for main line	No	30.00
3	Special Type Steady Arm for IOL	No	30.00
4	ST, BT, RT cap	Set	318.00
5	Automatic Tensioning Device assembly of 5-Pulley Block Type including all fittings, Weight and ATD Cage	No	6.00
6	Section insulator with accessories (in box)	No	6.00
7	Inclined dropper	No	66.00
8	J – Bolt	No	105.00
9	Span Dropper Wire (Electrolytic hard drawn Cu)	KM	0.30
10	Span dropper assembly of various sizes	No	210.00
11	Catenary Wire - 120 <u>sq. mm</u> (Cu-Mg)	KM	0.36
12	OPC wire	KM	1.50
13	RC Wire	KM	1.50
14	Contact Wire -150 <u>sq. mm</u> (Copper Silver)	KM	1.50
15	I - sec Steady Arm (High speed)	No	18.00
16	Bracket Tube fitting	No	18.00
17	Stay Tube fitting	No	18.00
18	V Bolt of Guy Rod	No	18.00
19	Special PG of Section Insulator	No	51.00

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		S.N.	Item Spares	Unit	Qty
		1	Tirfor 5.0 Tonne/ 3.0 Tonne with 20m steel rope	Set	3
		2	Pull - lift 3/4 Tonne (with loop type chain)	No	4
		3	Come along clamps for catenary suitable for 19/2.108 mm conductor (65)	Set	2
		4	Come along clamps for contact wire 107 mm2	Set	2
		5	Come along clamps for contact wire 150 mm2	Set	2
		6	Come along clamps for catenary wire 120 mm2	Set	2
		7	Come along clamps for ACSR conductor 93.3 sq. mm	Set	2
		8	Come along clamps for ACSR conductor 233.3 sqmm	Set	2
		9	Earth Discharge rod complete (light weight 11 kgs (As per RDSO spec. ETI/OHE/51(9/87) Re. 1, Oct 92 H-6 to be supplied)	Set	10
		10	Aluminium Straight ladder (8m) with Hook on top	No	4
		11	Aluminium Straight ladder extensible (11m)	No	4
		12	Drilling machine (25mm) Motor Driven (radial or pillar)	No	1
		13	Bench Grinder (Double end) pedestal motor Driven (203 mm) disc	No	1
		14	1Ph portable welding machine only required	No	1
		15	Portable Diesel Generating set 3 KVA 240 V, 1Ph	No	1
		16	Contact wire Cutter 36 inch	No	2
		17	Dropper wire Cutting 12 inch	No	2
		18	Single Sleeve pully block 3 1/2" x 1/2" Groove steel	No	10
		19	Single Sleeve pully block 3 1/2" x 1/2" Groove steel fiber for drawl of contact catenary wire	No	15
		20	Single Sleeve pully block 6" x 1" Groove steel (with top eye to be supplied, cap 2T, asper IS: 13156 of H-18 1991	No	6
		21	Contact wire twist cum bender 6 inch	No	4
		22	Steel sling with eye end 19mm dia (a) 1 m Long	No	10
		23	Steel sling with eye end 19mm dia (b) 2 m Long	No	10
		24	Steel sling with eye end 19mm dia (c) 3 m Long	No	8
		25	Steel sling with eye end 19mm dia (d) 4 m Long	No	5

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	26	Steel sling with eye end 19mm dia (e) 10 m Long	No	5
	27	Contact wire Splicing jig	No	1
	28	Copper Hammer 2 kg	No	1
	29	Metric tape 30 m, 15m each (PVC tape only)	No	5
	30	Light weight ladder trolley	No	1
	31	Engineering Ratchet	No	2
	32	LED Tri colour lamps	No	2
	33	Trifor 3 Tonner/2 Tonne	No	5
	34	Spring balance 25 kg capacity	No	1
	35	Wire claws (Panja)	No	2
	36	Crowbar	No	1
	37	Shovels	No	1
	38	Sledgehammer 10 lb	No	1
	39	Tree pruner (with telescopic handle & saw blade)	No	1
	40	3/4-inch Manila rope 100m	mtr	50
	41	1/2-inch Manila rope 150m	mtr	75
	42	1 inch Manila rope 50m long	mtr	25
	43	Manual rail hole drilling Ratchet and clamp with chamfering tool	set	1
	44	Dynamometer 10-Tonne capacity with carrying box with 150 mm Dia with test certificate	No	1
	45	High focus LED rechargeable hand torch light.	No	5
	46	Walkie Talkie sets (with 2 km range working on 'c' band)	No	4
	47	Megger 2500V	No	2
	48	Digital earth clamp megger to be supplied	No	1
	49	Light weight Toolbox	No	3
	50	Set of tools for Technicians a) DE Spanner set from 6 TO 32 (12 PIECES)	No	5
	51	Ring Spanner set 16x17, 18x19, 20x22, 24x26, 30x32, 36x40	No	5
	52	Screwdriver 6 "	No	5
	53	Screwdriver 12 "	No	5
	54	Hammer 1/2 lb	No	5
	55	Cutting plier	No	5

Sl. No	Clause / Item No. / Page no.	Corrigendum											
		56	Plumb bob	No	5								
		57	Hack saw	No	5								
		58	Spirit Level	No	7								
		59	Rechargeable 30-watt power LED Flood Lights	No	3								
		60	Industrial Digital Thermometer	No	3								
		61	Digital Crane weighing scale with remote display & printer 5 t	No	1								
		62	Petrol Driven Light Weight Rail Drill machine with 52 kg & 60 kg Rail Adopter and 2 pairs of drills	No	1								
		63	Portable cutting machine (Handheld)	No	3								
		64	Chain Saw 18" or 24" for tree cutting	No	1								
		65	Aluminium Ladder 15 mtrs for cross track feeder checking	No	2								
		66	Oliver G Plus testing kit as per latest RDSO Specification	No	1								
		67	Electronic Distance measuring equipment up to 500 m clear vision	No	2								
11	Part 2: Employer’s requirements, Chapter 11A Auxiliary Substations Clause 1.3.2	<p>Replace: Clause: 1.3.2 Short Circuit Rating</p> <p>The metallic screen of 33 kV cables (3 Single core cables) shall have a short circuit current carrying capacity of 1 kA for 3 sec. However, 3 phase short circuit capacity of the 33 kV cable shall be minimum 8 kA for 3 sec.</p> <p>With: Clause: 1.3.2 Short Circuit Rating</p> <p>The metallic screen of 33 kV cables (3 Single core cables) shall have a short circuit current carrying capacity of 1 kA for 3 sec. However, 3 phase short circuit capacity of the 33 kV cable shall be minimum 8 kA for 1 sec.</p>											
12	Part II, Employer requirement, Chapter 13B, Clause 38 (FO Cables)	<p style="text-align: center;">Additional Clause 38. FO cable</p> <p style="text-align: center;">38. FO cable GTP</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S.No</th> <th style="width: 45%;">Description</th> <th style="width: 10%;">Unit</th> <th style="width: 35%;">Values</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				S.No	Description	Unit	Values				
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Sl. No	Clause / Item No. / Page no.	Corrigendum			
		1	Cable Description	-	48F LT – SM Single sheath armoured FO cable
		2	Type of Fiber	-	Single Mode
		3	No. of Fiber per tube	Nos.	9 fiber per tube
		4	No. of Loose tube	Nos.	6 loose tubes
		5	Central strength member	-	Fiber Reinforced Plastic - FRP(Non-Metallic)
		6	Water Blocking compound	-	Water Blocking Yarn & Water Blocking Tape
		7	Armouring	-	Corrugated ECCS Tape Aromuring over the core (Armour Tape Thick.: 0.15 mm Nominal & Thick. of Co-polymer Layer / Coating (Each Side) : 0.05 mm Nominal)
		8	Rip Cord	-	Two Rip code below armouring
		9	Outer Sheath		High Density Polyethylene (UV) - Black Colour (Thickness : 1.8 mm Nominal)
		10	Cable Outer Dia.	mm	12 approx.
		11	Attenuation	nm	1310
		12	Cable cutoff wavelength	nm	≤ 1260 nm
		13	Cable weight	kg	
		14	Cable length	mtrs	
		Note: FO Cable mechanical and environmental properties shall comply with IEC 60794.			
13	Part II, Employer requirement, Chapter 13A, Clause No. 4.2.9 Type Test Reports	<p>Replace: Clause: 4.2.9 Type Test Reports</p> <p>The type test reports of the equipment shall be of the tests carried out either at the manufacturer's works having requisite facilities or at KEEMA, Netherlands, CESI, Milano, Italy, and CPRI INDIA during the last ten (10) years period as on the date of bid vendor approval. If any type test report is older than 10 years, the type tests will have to be repeated at PST contractor's cost.</p>			

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		<p>Employer shall waive some of these tests in case of equipment / sub assemblies where the manufacturer can establish to the satisfaction of employer that such tests have already been carried out earlier or where the equipment have been proved in service. In such a case, manufacturer shall submit complete test reports along with necessary certification.</p> <p>With:</p> <p>The type test reports of the equipment shall be of the tests carried out either at the manufacturer’s works having requisite facilities or at KEEMA, Netherlands, CESI, Milano, Italy, and CPRI INDIA during the last Five (5) years period as on the post bid vendor/make approval. If any type test report is older than 5 years, the type tests will have to be repeated at PST contractor’s cost. Employer shall waive some of these tests in case of equipment / sub assemblies where the manufacturer can establish to the satisfaction of employer that such tests have already been carried out earlier or where the equipment have been proved in service. In such a case, manufacturer shall submit complete test reports along with necessary certification.</p>
14	Part II, Employer requirement, Chapter 13A, Clause No. 4.2.7 (b) General Specifications	<p>Replace: Clause: 4.2.7 (b) General Specifications</p> <p>b) General Specifications</p> <ul style="list-style-type: none"> • The product offered should be proven and should be in use in India for a minimum period of 5 years for the same voltage class. List of past supplies in India to be furnished. Performance certificates to be submitted along with the offer. • The product offered should have long (30 years) shelf life. Details of shelf life of each component shall be submitted with vendor proposal. • Offers should be supported with type test certificates (not older than 05 years at the time of LOA) from CPRI/CESI/KEMA or accredited test laboratories as per IEC/IEEE specifications, failing which the offers shall be rejected. <p>With:</p> <p>b) General Specifications</p> <ul style="list-style-type: none"> • The product offered should be proven and should be in use in India for a minimum period of 5 years for the same voltage class. List of past supplies in India to be furnished. Performance certificates to be submitted along with the offer.

Sl. No	Clause / Item No. / Page no.	Corrigendum
		<ul style="list-style-type: none"> • The product offered should have long (30 years) shelf life. Details of shelf life of each component shall be submitted with vendor proposal. • Offers should be supported with type test certificates (not older than 05 years at the time of post bid vendor/make approval) from CPRI/CESI/KEMA or accredited test laboratories as per IEC/IEEE specifications, failing which the offers shall be rejected.
15	Part II, Employer requirement, Chapter 13A, Clause No. 2.2.4 (2) Main Features Required	<p>Replace: Clause: 2.2.4 (2) Main Features Required</p> <p>All voltage level GIS as offered should be fully type tested as per latest IEC standards at the time of vendor approval and type test report should not be more than 5 years old at the time of LOA.</p> <p>With:</p> <p>All voltage level GIS as offered should be fully type tested as per latest IEC standards at the time of vendor approval and type test report should not be more than 5 years old at the time of post bid vendor/make approval.</p>
16	Part II, Employer requirement, Chapter 13A, Clause No. 2.2.6 (a) Tests	<p>Replace: Clause: 2.2.6 (a) Tests</p> <p>The modules individually as well as the assembly shall be subject to various test, including type test, as required in terms of provisions of Chapter – 9 of “Employer’s Requirements. General Specifications” prior to shipment. In case valid type test reports from an independent lab are not available (not older than 05 years at the time of LOA), the type tests shall be conducted by the PST contractor which shall be witnessed by employer’s representative. The cost of testing shall be borne by the PST contractor.</p> <p>With:</p> <p>The modules individually as well as the assembly shall be subject to various test, including type test, as required in terms of provisions of Chapter – 9 of “Employer’s Requirements. General Specifications” prior to shipment. In case valid type test reports from an independent lab are not available (not older than 05 years at the time of post bid vendor/make approval), the type tests shall be conducted by the PST contractor which shall be witnessed by employer’s representative. The cost of testing shall be borne by the PST contractor.</p>

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17	Part II, Employer requirement, Chapter 13A, Clause No. 2.3.5 Outdoor Lightning Arresters	<p>Replace: Clause: 2.3.5 Outdoor Lightning Arresters</p> <p>All type tests and routine tests of Lightning Arresters as per relevant IEC standards as specified in technical specifications shall be carried out if valid report not available. The type test reports should not be more than 5 years old at the time of LOA.</p> <p>With:</p> <p>All type tests and routine tests of Lightning Arresters as per relevant IEC standards as specified in technical specifications shall be carried out if valid report not available. The type test reports should not be more than 5 years old at the time of post bid vendor/make approval.</p>
18	Part II, Employer requirement, Chapter 13A, Clause No. 2.6.1 (viii) On-Load Tap Changer	<p>Replace: Clause: 2.6.1 (viii) On-Load Tap Changer</p> <p>Voltage shall be substantially constant at the untapped windings (secondary windings) and variable at the tapped winding (primary winding). The category of regulation applied shall be constant-flux Variable Voltage regulation (CFVV).</p> <p>The OLTC shall be fully type tested (type tests reports shall not be more than 05 years old at the time of LOA or the type tests shall be conducted at no extra cost to employer). The on load- Tap changer shall be of suitable capacity, design and enclosure type, installed in a separated oil tank offering 16 steps (+ 6 step, normal and -9 step), each representing 1.667% of the nominal voltage.</p> <p>With:</p> <p>Voltage shall be substantially constant at the untapped windings (secondary windings) and variable at the tapped winding (primary winding). The category of regulation applied shall be constant-flux Variable Voltage regulation (CFVV).</p> <p>The OLTC shall be fully type tested (type tests reports shall not be more than 05 years old at the time of post bid vendor/make approval or the type tests shall be conducted at no extra cost to employer). The on load- Tap changer shall be of suitable capacity, design and enclosure type, installed in a separated oil tank offering 16 steps (+ 6 step, normal and -9 step), each representing 1.667% of the nominal voltage.</p>

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19	Part II, Employer requirement, Chapter 13A, Clause No. 4.4.9 (a) Testing	<p>Replace: Clause: 4.4.9 (a) Testing</p> <p>The manufacturer shall submit type test results of 25 kV cable along with vendor approval proposal as per IEC 60840 and shall not be more than 5 years old at the time of LOA.</p> <p>With:</p> <p>The manufacturer shall submit type test results of 25 kV cable along with vendor approval proposal as per IEC 60840 and shall not be more than 5 years old at the time of post bid vendor/make approval.</p>
20	Part 1: Bidding Procedure- Section IV: Bidding Forms- Form-15-Historical Contract Non-Performance, Pending Litigation and Litigation History	<p>Replace</p> <p>Note: If the bidder has Pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Clause No. 2.3, the bidder shall submit the certificate issued by the Statutory Auditor with UDIN mentioning that the Applicant's financial position and prospective long term profitability is still sound according to criteria established at "Section-III: Evaluation & Qualification Criteria, Cl. 2 Qualification, Sr. No. 3.1" even if all pending litigation are resolved against the Applicant.</p> <p>With</p> <p>Note: If the bidder has Pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Clause No. 2.3, the bidder shall submit the certificate issued by the Statutory Auditor /Chartered Accountant with UDIN mentioning that the Applicant's financial position and prospective long term profitability is still sound according to criteria established at "Section-III: Evaluation & Qualification Criteria, Cl. 2 Qualification, Sr. No. 3.1" even if all pending litigation are resolved against the Applicant.</p>