

## **CORRIGENDUM NOTICE**

**SUPPLY, INSTALLATION, TESTING AND COMMISSIONING (SITC) OF 01 NOS. 11/433 KV 400 KVA TRANSFORMER, 01 NO. 11KV 630AMPS 18.4KA HT VCB PANEL (ICOG) AND HT/LT CABLING WORKS AT STATE BANK OF INDIA, GORAKHPUR MAIN BRANCH CAMPUS, BANK ROAD, GORAKHPUR (U.P.), THE FOLLOWING CORRIGENDUM IS BEING BROUGHT IN THE NOTICE OF THE PROSPECTIVE BIDDERS**

Start Date : 10.07.2025

Close Date: 31.07.2025 extended upto 08.08.2025

S.No.	Page and S. No. in the NIT	Original description in the tender	Clarification/amendments to be read as
1.	<b>Notice Inviting Tender Page no. 2 Sr. No. 6. Availability of tender documents :</b>	Tender documents to be downloaded from the Bank website <a href="https://bank.sbi">https://bank.sbi</a> under the “SBI in the News> Procurement News” and GeM portal <a href="http://www.gem.gov.in">www.gem.gov.in</a> from 10.07.2025 to 16:00 Hrs on 31.07.2025.	Tender documents to be downloaded from the Bank website <a href="https://bank.sbi">https://bank.sbi</a> under the “SBI in the News> Procurement News” and GeM portal <a href="http://www.gem.gov.in">www.gem.gov.in</a> from 10.07.2025 to 16:00 Hrs on 08.08.2025.
2.	<b>Notice Inviting Tender Page no. 2 Sr. No. 8. Address at which the hard copy of Tender fee, Technical bid and EMD of tenders are to Be submitted :</b>	Technical bid, Authorisation letter, experience certificate, copy of Balance sheet, PAN & GST should be submitted online on GeM portal and hard copy of original EMD and Authorization certificate should be submitted in the Department and price bid on the GeM portal before 31.07.2025 by 16:00 Hrs. Contact: Ramji Sharan, Dy. Manager(Electrical)-07408403577.	Technical bid, Authorization letter, experience certificate, copy of Balance sheet, PAN & GST should be submitted online on GeM portal and hard copy of original EMD and Authorization certificate should be submitted in the Department and price bid on the GeM portal before 08.08.2025 by 16:00 Hrs. Contact: Ramji Sharan, Dy. Manager(Electrical)-07408403577.
3.	<b>Notice Inviting Tender Page no. 3 Sr. No. 9. Last Date &amp; Time of submission of online tender on GeM portal/Price bid</b>	Online uploading of signed and scanned copies of all pages of Technical Bid, all other documents mentioned above and online submission Price bid through the GeM portal upto 16:00 Hrs on 31.07.2025.	Online uploading of signed and scanned copies of all pages of Technical Bid, all other documents mentioned above and online submission Price bid through the GeM portal upto 16:00 Hrs on 08.08.2025.
4.	<b>Notice Inviting Tender Page no. 3 Sr. No. 10. Date and time of opening of</b>	31.07.2025 at 16:30 Hrs Technical bid and date and time of price bid shall be informed later (Online Technical bid will be opened only	08.08.2025 at 16:30 Hrs Technical bid and date and time of price bid shall be informed later (Online Technical bid will be opened only of those bidders

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	<b>e-tender</b>	<b>of those bidders who will submit proper EMD and Authorization certificate in hard copy. Price Bid will be opened only of those bidders who will qualify in Technical Bid after scrutiny)</b>	who will submit proper EMD and Authorization certificate in hard copy. Price Bid will be opened only of those bidders who will qualify in Technical Bid after scrutiny)
5.	<b>BILL OF QUANTITY FOR ELECTRICAL WORKS FOR 11 KV SUB STATION AT GORAKHPUR MAIN BRANCH SECTION-I- TRANSFORMER AND VCB PANEL WORKS Page no. 1 (B) Sr. No. 1</b>	<b>Supply, Design, Testing, Transportation, Installation and Commissioning of 11kV 630 Amps 18.4kA HT VCB Panel (Single VCB-ICO) with Al Bus Bar consisting of following components :</b>	Supply, Design, Testing, Transportation, Installation and Commissioning of 11kV 630 Amps 18.4kA HT VCB Panel (Single VCB-ICO) only one incoming and outgoing with Copper Bus Bar consisting of following components :.
6.	<b>BOQ Page no. 1 and Sr. No. 1. Fabricated Housing (B1)</b>	<b>(B1) Housing with Al 630A Interconnections Incomer : 630A- 01 Nos.</b>	<b>(B1) Housing with Copper 630A Interconnections Incomer : 630A- 01 Nos.</b>
7.	<b>BOQ Page no. 1 and Sr. No. 1. Fabricated Housing (B2)</b>	<b>630A Al Bus Bar with 11KV Grade Sleeving (Extension for future 4th VCB) Incomer : 630A- 01 Nos. Outgoing : 630A: 01 nos.</b>	630A Copper Bus Bar with 11KV Grade Sleeving Incomer : 630A- 01 Nos. Outgoing : 630A: 01 nos.
8.	<b>BOQ Page no. 1 and Sr. No. 1. Relay (F1)</b>	Numerical Non -Directional 3 Over Current/ 1 Earth Fault Protection- P1F1 Incomer : 01 Set Outgoing : 02 Sets	Numerical Non -Directional 3 Over Current/ 1 Earth Fault Protection- P1F1 Incomer : 01 Set Outgoing : 01 Sets
9.	<b>BOQ Page no. 1 and Sr. No. 1. Relay (F2)</b>	Antipumping Incomer : 01 Sets Outgoing : 02 Set	Antipumping Incomer : 01 Sets Outgoing : 01 Set
10.	<b>BOQ Page no. 1 and Sr. No. 1. Relay (F4)</b>	Auxillary Relay for Trafo Fault (VAA33 or Equiv.) Incomer : Sets Outgoing : 02 Sets	Auxillary Relay for Trafo Fault (VAA33 or Equiv.) Incomer : Sets Outgoing : 01 Sets
11.	<b>BOQ Page no. 2 (B)- TRANSFORMER</b>	Supply, Installation, Testing and Commissioning of 400 KVA 11/0.433 KV Delta-Star DYn11 COPPER Wound (HV and LV), ONAN Oil immersed type transformer with Off Circuit Tap Change(OCTC) tap links of range +5% to - 10% @ 2.5% each.	Supply, Installation, Testing and Commissioning of 400 KVA 11/0.433 KV Delta-Star DYn11 COPPER Wound (HV and LV), ONAN Oil immersed type transformer with Off Circuit Tap Change(OCTC) tap links of range +5% to - 10% @ 2.5% each. Insteps of 2.5% each total 6 steps.

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		Insteps of 2.5% each total 6 steps. Class of Insulation: A, Temperature Rise: 98 Deg. C, Losses (As per ECBC 2017) (Subjected to IS Tol.). Minimum 3 Star rated. (Make: Schneider/ABB/Crompton/CG Power/Siemens/LK/GE/BHEL/Kirloskar)	Class of Insulation: A, Temperature Rise: 98 Deg. C, Losses (as per the latest amendment IS 1180) (Subjected to IS Tol.). Minimum 2 Star BEE rated/Level-2 . (Make: Schneider/ABB/Crompton/CG Power/Siemens/LK/GE/BHEL/Kirloskar)
12.	<b>BOQ Page no. 2 (B)- TRANSFORMER</b>	12. Total losses @ 50% Load at rated voltage & frequency kW (MAX) : 1.225	12. Total losses @ 50% Load at rated voltage & frequency kW (MAX) : 1.150
13.	<b>BOQ Page no. 2 (B)- TRANSFORMER</b>	13. Total losses @ 100% Load at rated voltage & frequency kW (MAX) : 3.450	13. Total losses @ 100% Load at rated voltage & frequency kW (MAX) : 3.330

Contractor should submit the technical specification along with the technical support letter/authorization letter from the OEM/Manufactures of Transformer and VCB panel for the product offering. The above amendments shall applicable be applicable to all pages/ places of tender document wherever the relevant conditions/specifications/makes are mentioned. All bidders may kindly note that this notification is now a part of the tender and should be attached and submitted with the tender document on or before last date i.e **08.08.2025 upto 16:00 Hrs.** Contractors who have already submitted the tender needs to apply a fresh in revised BOQ attached at annexure-A. Each page of the notice signed and stamped should be submitted online with the four pages of tender by bidder as token of acceptance. All other terms and conditions in the tender remains unchanged.

-Sd-

**Assistant General Manager, Premises and Estate**  
For and behalf of State Bank of India

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## Annexure-A

S. No.	Item Description	Unit	Qty
	<b>VACUUM CIRCUIT BREAKER AND TRANSFORMERS</b>		
	<b>(A)- VACCUM CIRCUIT BREAKER</b>		
<b>1</b>	<b>630A, 11KV 18.4kA HT Vacuum Circuit Breaker(VCB) panel</b>		
	HT SECTION:		
	Supply, Design, Testing, Transportation, Installation and Commissioning of 11kV 630 Amps 18.4kA HT VCB Panel (Single VCB-ICOG) with Copper Bus Bar consisting of following components :		
<b>A</b>	<b>HT SWITCHGEAR</b> <b>Rating:</b>		
	Supply, Design & manufacturing of 11 KV Incoming VCB Panel with 630 Amp., 18.4kA/1Sec, 100/50 Amp. CT ratio, PT & associated material, VCB panel conforming to IS/IEC 62271-200 & IS/IEC 62271-100 as approved by Engineer in charge having with VCB VI, relay shall be of same principal manufacturer make and all are original factory fitted panels. Not a system house makes panels. The bus bar and connectors should be made from copper with proper cross section area, tinned and insulated properly with HT insulation compound/sleeves. Interconnection between HT switchgear and transformer shall be using 1C x 3 x 240 sq.mm Al armorured XLPE HT Cable.(Make: Schneider/ABB/Crompton/CG Power/Siemens/LK/GE/Kirloskar)		
<b>B</b>	<b>Fabricated Housing :</b>		
<b>B1</b>	Housing with Copper 630A Interconnections Incomer : 630A- 01 Nos.		
<b>B2</b>	<b>630A Copper Bus Bar</b> with 11KV Grade Sleeving <b>Incomer : 630A- 01 Nos. Outgoing : 630A: 01 nos.</b>		
<b>B</b>	<b>CT &amp; PT DETAILS :</b>		
<b>B1</b>	DUAL CORE CT CTR :100/50A Core 1:Class 1, BURDEN 15 VA Core 2 : Class 5P10, BURDEN 15 VA (CT need to be >50 A) CT Position shall be in Cable Chamber of Panel <b>Incomer : 03 Sets Outgoing : 03 Sets</b>		
<b>B5</b>	3 No. Single Phase Potential Transformer (To be mounted at the rear end of the Panel and position will be above breaker position) Ratio:11KV/rt3/110V/rt3 Class 1, BURDEN - VA Material - Cast Resin type <b>Incomer : 01 Sets Outgoing : 00 Set</b>		
<b>C</b>	<b>BREAKER PANEL INDICATION LAMPS :</b>		
<b>C1</b>	Breaker On / Off / Trip / Spring Charge ( As required) Incomer : 05 Sets Outgoing : 10 Sets		
<b>C2</b>	R-Ph. / Y-Ph. / B-Ph Incomer : 03 Sets Outgoing : 00 Sets		

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<b>D</b>	<b>SWITCHES AND OTHER ACCESSORIES :</b>			
D1	DC ON/OFF Switch	Incomer : 01 Set Outgoing : 01 Set		
D2	AC ON/OFF Switch	Incomer : 01 Set Outgoing : 01 Set		
D3	Local Remote Switch	Incomer : 01 Set Outgoing : 01 Set		
D4	T-N-C Switch	Incomer : 01 Set Outgoing : 01 Set		
D5	15A, 230V, 3 pin plug plug & socket	Incomer : 01 Set Outgoing : 01 Set		
D6	Mech. ON-OFF push button	Incomer : 01 Set Outgoing : 01 Set		
D7	Heater with heater switch & thermostat	Incomer : 01 Set Outgoing : 01 Set		
D8	Cubicle illumination lamp	Incomer : 01 Set Outgoing : 01 Set		
<b>E</b>	<b>METERS :</b>			
E1	MFM EM6400	Incomer : 01 Set Outgoing : 01 Set		
E3	Ammeter with Selector Switch	Incomer : 01 Set Outgoing : 01 Set		
E4	Voltmeter with Selector Switch	Incomer : 01 Sets Outgoing : 01 Set		
<b>F</b>	<b>RELAYS :</b>			
F1	Numerical Non -Directional 3 Over Current/ 1 Earth Fault Protection- P1F1	Incomer : 01 Set Outgoing : 01 Sets		
F1	Trip Ckt Supervision	Part of Main Numerical Relay		
F2	Antipumping	Incomer : 01 Sets Outgoing : 01 Set		
F3	Master Trip	Part of Main Numerical Relay		
F4	Auxillary Relay for Trafo Fault (VAA33 or Equiv.)	Incomer : 01 Sets Outgoing : 01 Sets		
F5	Power Pack	Incomer : 01 Set Outgoing : 00 Set		
F6	8 Window Annunciator with Hooter	Incomer : 01 Sets Outgoing : 00 Sets		
	Relay shall be with communication port			
	Protection CT shall be 40/1A 2.5VA 5P10.			
	Mechanical ON-OFF-TRIP mimic diagram			
	Fault Passage Indicator			
	Manometer			
	Terminal Protectors ( BOOTS)			
	Operating Handle			
	<b>Incoming and Outgoing modules of the panel shall be suitable for 3C x 120 sq.mm HT 11 KV Cable termination. Outgoing modules should have provision to connect another cable of size 3C x 120 sq.mm, if required.</b>			
	<b>Sub Total( A)- Supply, Design, in house Testing of 11kV 630Amps 18.4 kA HT VCB Panel (ICOG) as Described as Above.</b>		<b>SET</b>	<b>1</b>
<b>2</b>	<b>(B)- TRANSFORMER</b>			

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Supply, Installation, Testing and Commissioning of 400 KVA 11/0.433 KV Delta-Star DYn11 COPPER Wound (HV and LV), ONAN Oil immersed type transformer with Off Circuit Tap Change(OCTC) tap links of range +5% to - 10% @ 2.5% each. Insteps of 2.5% each total 6 steps. Class of Insulation: A, Temperature Rise: 98 Deg. C, Losses as per the latest amendment IS 1180) (Subjected to IS Tol.). Minimum 2 Star BEE rated/Level-2. <b>(Make: Schneider/ABB/Crompton/CG Power/Siemens/LK/GE/BHEL/Kirloskar)</b>		
1. Type of Cooling : ONAN		
2. Class of insulation Class A		
3. No of phase and rated frequency : 3, 50 Hz		
4. Winding		
a) HV Copper		
b) LV Copper		
5.. Insulation level ( Impulse withstand )(kVpeak)		
a) HV 75		
b) LV		
6. Insulation level ( power frequency withstand ) (kVrms)		
a) HV 28		
b) LV 3		
7. Tapping- On HV yes		
a) Range +5% to -10% @ 2.5% Each		
b) No of Steps 6		
c) Tap changer type OCTC		
8. Temperature rise of oil/winding over design ambient temperature of 50°C : 40/45(°C)		
9. Hot spot temperature rise over a maximum yearly weighted : 98 °C		
10. Short circuit Thermal withstand time (secs) : 2		
11. % Impedance at 75°C , rated current & Frequency % (subject to IS tol) : 4.50		
12. Total losses @ 50% Load at rated voltage & frequency kW (MAX) : 1.150		
13. Total losses @ 100% Load at rated voltage & frequency kW (MAX) : 3.330		
14. Bushings : HV		
a) Reference standard : IS 2099 & IS 3349		
b) Type of bushing : Porcelain		
c) Voltage Rating (kV) : 17.5		
d) Current Rating Amps : 250		
15. Bushings : LV & LVN		
a) Reference standard		
b) Type of bushing : Epoxy		
c) Voltage Rating (kV) : 1		
d) Current Rating Amps : 630		
16. Weight in Kgs (Approximate)		

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	a) Core and winding : 1440		
	b) Oil : 505		
	c) Total weight : 2835		
	20. Fitting & Accessories as per specification Yes, IS : 2026 & CBIP		
	a) Overall Length*Breadth*Height(in mm) +/- 10% : 2350*2150*2150		
	18. Approximate Weight of Heaviest package (KG) : 4100		
	19. Approximate transport dimensions LxBxH (mm) : 3300 X2000 X 1800		
	20. Fitting & Accessories as per specification Yes, IS : 2026 & CBIP		
	21. Reference standard : IS 1180 & IS:2028 latest amendment		
	22. Termination		
	a) HV Cable Box : (1 Run / Ph)		
	b) LV Cable Box : (2 Run / Phase) B2B		
	c) Orientation : 180 Degree		
	23. % Efficiency at 75degC/Unity P.F.		
	a) At 100% load/75%/50%/25% : 99.14/99.29/99.39/99.34		
	24. % Efficiency at 75degC/0.8 P.F.		
	a)At 100% load/75%/50%/25% : 98.93/99.11/99.24/99.17		
	25. Maximum efficiency at unity P.F : 99.40		
	26. % Regulation at full load : at Unity PF 0.84 and at 0.8 PF 3.30		
	<b>Sub Total (B) :11/0.433 KV, 400 KVA ONAN Type Transformer Described as Above.</b>	<b>SET</b>	<b>1</b>
<b>3</b>	<b>(C)- MAIN L.T. PANEL</b>		
a)	Design, Manufacturing, Supply, Receiving, Unloading, Shifting, Installation, Testing & commissioning of new fully compartmentalised, wall/ Floor mounted, if floor mounted than stand should be made of MS channel/angle grouted to floor with the panel 450 mm above ground level, bottom/top cable entry, front operating, indoor duty, dust & vermin proof, dead back main electrical panel made of 16g CRCA sheet steel painted with one coat of red oxide primer and two coat of outdoor type synthetic enamel paint (spray painted) after de greasing, de rusting and phosphading, with two earth studs, 30x6 mm G.I. Earth bus, SMC/DMC insulator, the panel shall have changeover facility & interlocking through PLC to achieve electrical interlocking, as required and comprising of the following:		
	(Each Incomming MCCB shall have thermal magnetic release and variable current setting from front, adjustable overcurrent, short circuit & earth fault protection, front extended lockable handle, pad lockable in off position, shrouding on incomer side, termination shall be suitable for aluminium bus bars / cables and as per specification.)		
	<b>Incomer :: 1 No. 630 Amp FP Moulded Case Circuit Breaker with thermal magnetic based adjustable over current, short circuit. (For 1 x 630 KVA Incomer) (50 KA)</b>		
	<b>Outgoing : I One 415V, 4P, 400A, 35KA breaking capacity MCCB with adjustable thermal and fixed magnetic release outgoing (Gorakhpur Main Branch).</b>		

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	ii. Three nos. 415V, 4P, 250A, 35KA breaking capacity MCCB(one for PB branch, Capacitor panel and one for SCB )		
	ii. One nos. 415V, 4P, 160A, 25KA breaking capacity MCCB ( spare )		
	Iii. Two nos. 415V, 4P, 125A, 25 KA breaking capacity MCCB with adjustable thermal and fixed magnetic release out going.(One for DGM Bungalow and one spare)		
	iv. One nos. 415V, 4P, 63A, 10 KA breaking capacity MCB with adjustable thermal and fixed magnetic release out going.( light Dbs and one spare)		
	iv. Two no. 230V, DP, 63A, 10 KA breaking capacity MCB with adjustable thermal and fixed magnetic release out going.		
	v. One spare compartment for 4P, 100A MCCB and 4P 63 MCB(With fixing of MCCB and MCB).		
	Bus bar chamber with R,Y,B and N bus bars made of 25x10 mm Aluminium(Indal, Hindalco, Balco).		
	Digital Ammeter with CT Set and selector switch, RYB LED LAMP		
	ON/OFF Indicating Lamp		
	1 set 3 phase digital ammeter with CT		
	1 set 3 phase digital voltmeter		
	1 set phase digital frequency meter with CT		
	Danger plate should be provided. All MCCB should be with external rotary handle, separator sheet and spreader terminals. Minimum phase to phase distance 32 mm, phase to neutral and earth 26 mm. Metallic partition should be provided between adjacent cubical/compartment. Cubical should be made of vermin and dust proof by means of suitable gasket around all door/covers removable gland plates to be provided. All bus bar should be sleeved by heat shrinkable PVC red, yellow, blue and black coloured. All wiring to be done by PVC insulated 1100V grade copper flexible conductor wire of following size. CT circuit : 2.5 sq. mm PT circuit : 1.5 sq. mm all wires to be provided with appropriate crimping type lugs/ferrules for termination. Protection shrouds to be provided on incoming side of incomer and on normally live parts when cubical door is opened. Bakelite barriers of 4 mm thickness shall be provided on incoming and outgoing side of incomer. Approval of general layout, manufacturing and single line diagram drawings from consultant/Bank's Engineer is required before commencing manufacture and the panel should be tested in the presence of Consultant/Bank's Engineer at manufacturer's premises before dispatch to site along with HV withstand and insulation resistance test reports.		
	<b>Sub Total(C) for Main LT panel as described above</b>	<b>Set</b>	<b>1</b>
	<b>(D )- HT Cabling</b>		
<b>4</b>	<b>11 KV END TERMINATION:</b>		

	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :		
<b>4.1</b>	3C x 120 Sqmm, 11KV XLPE	<b>SET</b>	<b>4</b>
<b>5</b>	<b>11 KV H.T. CABLE:</b>		
	Supply of 11 KV grade aluminium conductor, cross linked polyethylene (XLPE) insulated individual core screened, flat steel/strip armoured PVC sheathed cable complete as required.		
<b>5.1</b>	3C x 120 Sqmm, 11 KV XLPE	<b>M</b>	<b>50</b>
<b>6</b>	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in existing trench including excavation and dismanteling, safe keeping of existing cable at at, protective covering and refilling as required the trench etc as required.		
<b>6.1</b>	Upto 120 sq. mm	<b>M</b>	<b>50</b>
	<b>Sub Total (D ) HT Cabling</b>		
	<b>(E) -LT Cabling</b>		
<b>7</b>	<b><u>DISTRIBUTION CABLE:</u></b>		
	<b><u>SUPPLY AND LAYING OF LT CABLE:</u></b>		
	Supply of following sizes of 1.1KV grade aluminium conductor XLPE insulated and FRLS PVC sheathed armoured cable conforming to relevant IS. (Cable shall be purchased only after approval of cable schedule by Engineer In charge/ architect / consultant).		
<b>7.1</b>	3.5 core, 300 sq.mm.	<b>M</b>	<b>50</b>
<b>7.2</b>	3.5 core, 150 sq.mm.	<b>M</b>	<b>30</b>
<b>7.3</b>	3.5 core, 95 sq.mm.	<b>M</b>	<b>40</b>
<b>7.4</b>	3.5 core, 70 sq.mm.	<b>M</b>	<b>50</b>
<b>7.5</b>	3.5 core, 50 sq.mm.	<b>M</b>	<b>40</b>
<b>7.6</b>	3.5 core, 35 sq.mm.	<b>M</b>	<b>60</b>
<b>7.7</b>	3.5 core, 25 sq.mm.	<b>M</b>	<b>70</b>
<b>8</b>	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, excluding sand cushioning, protective coverin.		

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8.1	Above 185 sq. mm and upto 400 sq. mm	M	50
8.2	Above 95 sq. mm and upto 185 sq. mm	M	30
8.3	Above 35 sq. mm and upto 95 sq. mm	M	130
8.4	upto 35 sq. mm	M	130
9	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.		
9.1	3.5 Core X 300 sq. mm	Each	12
9.2	3.5 core, 150 sq.mm.	Each	8
9.3	3.5 core, 95 sq.mm.	Each	8
9.4	3.5 core, 70 sq.mm.	Each	10
9.5	3.5 core, 50 sq.mm.	Each	12
9.6	3.5 core, 35 sq.mm.	Each	14
9.7	3.5 core, 25 sq.mm.	Each	12
	<b>Sub Total (E ) LT Cabling</b>		
	<b>(F )- Earthing and other works</b>		
10	Earthing with G.I. plate 600mmx600mmx6mm thick, top of the plate placed at least 3 mt. below ground level with 20 mm Class-B, G.I. pipe for watering, as per IS 3043, with 32x6 mm GI earthing lead in 50mm B class GI pipe from plate to masonry inspection pit, with salt and charcoal and providing 12 mm diax 80mm long GI bolt, nut and double washers for connecting earth lead including restoring the surface duly rammed as per specification with 300 mmX300mmX300mm(inside) finished masonry chamber with 8 mm thick MS sheet hinged, lockable cover and MS frame on top of chamber.	Each	3
11	Earthing with copper plate 600mmx600mmx3mm thick, top of the plate placed at least 3M below ground level with 20 mm Class-B, G.I. pipe for watering as per IS 3043-1987 with 32x6 mm Cu earthing lead in 40 mm B class GI pipe from plate to masonry inspection pit, with salt and charcoal including passivated 2 mm diax80 mm long brass bolt, nut and double washers for connecting earth lead including restoring the surface duly rammed as per specification with 300 mmX300mmX300mm(inside) finished masonry chamber with 8 mm thick MS sheet hinged,lockable cover and MS frame on top of chamber.	Each	3

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<b>12</b>	Providing and fixing earth bus of 40 mm X 6 mm copper strip on surface or underground as required for connections etc. as required.	<b>M</b>	<b>40</b>
<b>13</b>	Providing and fixing 40 mm X 6 mm G.I. strip on surface or in recess or underground as required for connections etc. as required.	<b>M</b>	<b>60</b>
<b>14</b>	Dismantling, shifting at suitable place in same premises and safekeeping of existing 01 nos. 250KVA 11/0.433 KV old transformer	<b>L.S.</b>	<b>1</b>
<b>15</b>	Charges for liaisoning with power supply and other statutory authorities like Directorate of electrical Safety for obtaining necessary clearances/ approvals including preparation of drawings, filling up norms, follow-up on behalf of Employer etc. in connection with the subject installation. And getting power supply off and on from UPPCL.	<b>L.S.</b>	<b>1</b>
	<b>Sub Total (F )- Earthing and other works</b>		

Sign and seal of the bidder