

### Event Details

Event No:SPMCIL/Currency Note Press Nashik/Technical/58/22-23/ET/396[ELECTRICAL SITE PREPRATION WOR]				Event Status
Trade:Works				Event Activated
Description of Event:ELECTRICAL SITE PREPRATION WOR				Activities
Mode:E-Tender_HTML	Type Of Tender: Open	Bid Submission: Eventwise	Public Opening: YES	Published on: 14-02-2023 09:16:26.35
Tender Fee:Not Applicable		Document Upload:YES Coverwise Document Upload:YES		Activated on:14-02-2023 09:18:05.00 Tender Extended on: - Tender Opened on: - Price Opened on: - Event Cancelled on: -

Online Pre Bid Meeting	Bidding Period	Tender Opening Period	Price Bid Opening Date
Not Applicable	14.02.2023-10:00 AMTo17.03.2023-02:30 PM	17.03.2023-03:00 PMTo17.03.2024-03:00 PM	-

### List Of Tender Document

SL. No.	Document Details	Document Type
1	22-23-ET-396[ELECTRICAL SITE PREPRATION WOR]-170121-NIT-1204303-SIGNED.pdf	NIT

### Vendor Document Upload Checklist For Technical COVER

SL. No.	Document Details
1	ALL THE REQUIRED DOCUMENTS AS PER SECITON IX ELIGIBILITY CRITERIA AS PER TENDER NO 6000017961

2	DULY SEALED AND SIGNED TENDER DOCUMENTS AS PER NIT UPLOADED TENDER DOCUMENTS NO. 6000017961
3	CONFIRMATION OF TECHNICAL SPECIFICATION AS PER SECTION VII OF THE TENDER DOCUMENTS NO 6000017961
4	CONFIRMATION OF DELIVERY SCHEDULE AS PER CLAUSE NO 01 SECTION VI OF THE TENDER DOCUMENTS NO 6000017961
5	CONFIRMATION OF PRICE VALIDITY FOR 120 DAYS FROM OPENING OF TECHNICAL BID IN FORM AS PER SECTION X OF TENDER DOCUMENTS NO 6000017961
6	THE FIRM HAS SUBMIT BID SECURITY DECLARATION AS PER ANNEXURE-I, PROVIDED IN NIT DOCUMENTS TO BE SUBMITTED DULY SEALED AND SIGEND ON COMPANINES LETTER HEAD ( IF MSME)

### Vendor Document Upload Checklist For Price COVER

SL. No.	Document Details
1	BIDDER HAS TO SUBMIT DULY FILLED SIGNED AND SEALED PRICE SCHEDULE IN THE FORMAT AS PER SECITON XI OF THE TENDER DOCUMENTS

### Tender Committee Members

Name	Designation	Office	Department	Email	Mobile No.	Encryption public key expiry date
KIRAN KUMAR VUPPALA	Jt. General Manager	Currency Note Press Nashik	Purchase,HR,Technical,Finanace,IT, Marketing,R and D,Others	V.Kirankumar@spmcil.com	9096000418	2024-03-03 00:00:00.0
TUSHARKUMAR PRAKASH MAHAJAN	DGM	Currency Note Press Nashik	IT	tushar.mahajan@spmcil.com	8275022966	2024-03-03 00:00:00.0

RAJAPPA RAJASEKAR	Assistant Manager-TC	Currency Note Press Nashik	Technical	r.rajasekhar@spm cil.com	9890687389	2024-01-25 00:00:00.0
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### Common Terms

#### LIST OF REQUIREMENT

Sl.No	Terms	Component
1	ACCEPTANCE OF SECTION VI : LIST OF REQUIREMENT AS PER TENDRE NO.6000017961	Agree Only

#### QUALITY CONGTROL REQUIREMENTS

Sl.No	Terms	Component
1	ACCEPTANCE OF SECTION VIII : QUALITY CONTROL REQUIREMENT AS PER TENDER NO.6000017961	Agree Only

#### QUALIFICATION OR ELIGIBILITY CRITERIA

Sl.No	Terms	Component
1	Experience and past performance: The bidder should have experience of having successfully completed similar Electrical works during last 7 years ending March - 2022. aThree similar completed works each costing not less than the amount equal to Rs.46,59,200- or bTwo similar completed works each costing not less than the amount equal to Rs.58,23,900-.or cOne similar completed work costing not less than the amount equal to Rs.93,18,300-.	Agree Only

2	<p>Capacity and Capability:</p> <p>The bidder should be enlisted in either Central Public Works Department (CPWD) or Military Engineering Services (MES) or any other Government/PSU/Autonomous bodies.</p> <p>Note: All experience, past performance and capacity/ capability related data should be certified by the authorized signatory of the bidder firm.</p>	Agree Only
3	<p>Financial Standing:</p> <p>(a) Average Annual turnover of the bidder firm should be more than Rs. 46,59,200/- during last three years i.e. 2019-2020, 2020-2021 and 2021-2022.</p> <p>(b) Bidder firm should not have suffered any financial loss for more than one year during the last three financial years i.e. 2019-2020, 2020-2021 and 2021-2022.</p> <p>(c) The net worth of the firm should not be negative and should not have eroded by more than 30% in the last three financial years i.e. 2019-2020, 2020-2021 and 2021-2022.</p>	Agree Only
4	<p>The bidder should submit Power of Attorney of the Authorized Signatory for signing the bid, entering in to contract, if awarded and for any other correspondences.</p>	Agree Only

5	The bidders shall enclose attested copy of GST Registration (in REG 06) & attested copy of PAN.	Agree Only
6	The bidder should give undertaking/declaration that they have read and understood all the terms & conditions of tender documents and submitting unconditional acceptance to all terms & conditions	Agree Only
7	The bidder should give a declaration that they have not been black-listed/ debarred for dealing by Government of India in the past	Agree Only
8	The firm should attach valid authorization certificate obtained from manufacturer of power cable and earthing system etc.	Agree Only
9	The interested bidder must be holding valid electrical contractor s licence/electrical supervisor licence issued by the competent authorities (State/Central) and copy of the same shall be enclosed along with the bid.	Agree Only

10	<p>Note:-</p> <p>(i) In support of experience &amp; capability criteria, the bidder has to submit attested copies of P.O s, Experience certificates issue by customers.</p> <p>(ii) All experience, past performance &amp; capacity/ capability related/data should be certified by the authorized signatory of the bidder firm.</p> <p>(iii) All financial standing data such as Balance Sheet, Profit &amp; Loss account statement etc. should be certified by certified accountants e.g. Chartered Accounts or Cost Accountant. Financial statement duly certified by CA for year 2019-2020, 2020-2021 and 2021-2022 to be submitted.</p> <p>Bidder to furnish stipulated documents support of fulfillment of qualifying criteria. Non submission or incomplete submission of documents may lead to rejection of offer.</p>	Agree Only
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**GENERAL TERMS AND CONDITIONS**

Sl.No	Terms	Component
1	ACCEPTANCE OF SECTION VII : GENERAL TERMS AND CONDITIONS OF TECHNICAL SPECIFICATION AS PER TENDER NO.6000017961	Agree Only

**PRE BID CONFERENCE**

Sl.No	Terms	Component
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1	THE DATE AND TIME OF PRE-BID CONFERENCE IS 10:30 AM ON 28.02.2023. The queries of the bidders should reach at least two days in advance. If required bidders may visit site before submission of queries. No further queries are entertained after pre-bid meeting.	Agree Only
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### Lot Details

Lot Name 1	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of power distribution Panel	1.0Each	INR	-	-

### Lot No: 1 Specific Terms

TECHNICAL SPECIFICATION		
Sl.No	Terms	Component

1	<p>ITEM :1 Supply of power distribution Panel complete with Main Incomer , Bus coupler , Outgoing switches, Busbar chambers , Indications , Metering and control wiring. Specs of panel: The Panel shall be of totally enclosed floor mounting free standing fully compartmentalized front operated, dust vermin proof construction. It shall be a compact unit with all smooth joints close fitting unobtrusive and conforming to IP 42 protection. The Power distribution panel shall be of folded CRCA sheet construction assembled on Channel Angle Iron base-frame. The Panel shall be fabricated in 16 SWG CRCA sheet. The panel shall have sufficient reinforced structure to sustain operational vibration, provide rigidity during shipment and installation. The panel shall be powder coated of seven tank process with shade RAL 7032 after execution of surface treatment such as degreasing, acid pickling etc. The panel shall have provision for cable entry from bottom as well as top side. The panel shall have lifting hooks at each corner for shifting and handling. The Incoming and Outgoing Bus-bar shall be of electrolytic grade Copper of capacity min 1.8 A sq. mm with tinned copper interconnections and duly insulated with heat shrinkable sleeve with phase identification marking. All terminals shall be shrouded in approved manner to maintain the phase to phase insulating distance. The bus bars shall be of suitable rating of 1000 Amps. All CTsPTs used for metering shall be resin cast and of standard brand. All Control wiring shall be</p>	Agree Only
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of 1.5 sq.mm. for potential 2.5 sq.mm. for current with flexible multi strand copper wire having terminal ferrules for identification. All access doors shall be provided with rubberneoprene gasket and latches that are sufficiently strong to hold them in alignment when closed. All operating handles shall be having door interlock latching arrangement. Panel Name plate shall be provided on the front side with manufacturer s name, address, contact information, CNP s P.O. number etc. and the type of panel viz. PDB FOR SUSI IVNew offset machine SECTION. Name plates shall be provided on the front side and back side of the panel at outgoing terminals for easy identification. All vertical cubicle-sections of the panels shall be marked with column numbers for identifying the respective column from both front and back sides of the panel. The namenummer plates shall be made up of black anodized aluminium plate with sufficient readable text size. All switches shall be mounted at easily accessible height and highest operating handle shall not be more than 1.75 meter high from the floor. Danger sign board of proper size shall be provided on the front back sides of the panel conforming to IEA Rules. Arrangement for double earthing terminals shall be provided on the frame at two separate points. Cable entry hole shall be provided for incoming as well as outgoing cables with knock out type gland plates. Technical details : The panel shall be of totally enclosed floor mounting and

free standing. The busbars shall be of suitable rating of 1000 amps. The configuration of panel shall be a. Incomer 02 nos b. Buscoupler 01 nos c. Outgoing feeder 06061006 nos Incoming Feeder : Air Circuit Breaker 1000A 440V AC , 4 Pole , 50 KA microprocessor based Air circuit breaker with earth fault trip and Under voltage trip, Electrically operated Draw out type. Details of Air Circuit Breaker: Rating : 1000A Type : Electrically Operated Draw out Type EDO Current Limiting or Equivalent Number of Pole : 4 with Neutral Current Carrying capacity 100 of Rated Current Breaking Capacity : 50KA Termination Arrangement : Specious ,Ue : 415 V AC 5060 Hz, or better, Working voltage-415440V AC, 5060 Hz, Icu at 220 440V AC : 50 KA ,Ics at 220 440V AC : 50KA, Icw : for 0.5 s - 50KA or better. Power consumption: 147.5 Watt or less, Trip Unit : Without external Power supply, Sensitive to RMS value of Current, interchangeability with other type of trip unit without any modification, Configurable setting for neutral : as per design. With Shunt Open Release Shunt Closing Release 220-240 VAC with front accessible control terminal, Shunt Open , Shunt Close release, Motor Mechanism. Protection against: Earth, Overload and short circuit protection. Checking of Trip Status : Continuous Check of CT Monitoring: Continuous, Metering : Digital Multi function Meter for Incomer 1 2 each ,Indication : RYB for Incomer 1 2 and ACB ON-Off-TRIP ,ACB selector

switch:- Auto Manual selector ,Standard :  
As per Latest IS or IEC , Quantity : 01 AU  
02 ACB for Incomer 01 Bus coupler ACB i  
Outgoing Feeder : 1. Moulded case circuit  
breaker MCCB with Rotary Handle Rating :  
400 Amp, Number of Pole : Three pole  
With Rotary Operating Handle Mechanism  
Necessary Indication. Ue : 415 V AC, 5060  
Hz, Working voltage- 415440volts AC 5060  
Hz Icu At 380-415V AC : 36 KA Standard :  
As per latest IS or IEC standard .  
Indicationmetering : Necessary Indication  
and digital Ammeter. Quantity : 06 Nos. 2.  
Moulded case circuit breaker Rating : 250  
Amp, Number of Pole : Three pole, With  
Rotary Operating Handle Mechanism. Ue :  
415 V AC, 5060 Hz, Working voltage-  
415440volts AC 5060 Hz Icu At 380-415V  
AC : 36KA Standard : As per Latest IS or  
IEC Indicationmetering : Necessary  
Indication and digital Ammeter. Quantity :  
06 Nos. 3. Moulded case circuit breaker  
Rating : 100 Amp, Number of Pole : Three  
pole, With Rotary Operating Handle  
Mechanism Ue : 415 V AC, 5060 Hz,  
Working voltage- 415440volts AC 5060 Hz  
Icu At 380-415V AC : 36 KA Standard: As  
per Latest IS or IEC Indicationmetering :  
Necessary Indication and digital Ammeter  
Quantity: 10 Nos. 4. Moulded case circuit  
breaker Rating : 63 Amp, Number of Pole :  
Three pole, With Rotary Operating Handle  
Mechanism Ue : 415 V AC, 5060 Hz,  
Working voltage- 415440volts AC 5060 Hz  
Icu At 380-415V AC : 36 KA Standard: As  
per Latest IS or IEC Indicationmetering :

	<p>Necessary Indication ammeter Quantity : 06 Nos. Preferred Make : A ACB MCCBs : SIEMENS ABB LT or Equivalent B Indicators : SIEMENS ABB LT TEKNIK or equivalent C Meters : RUSHABH NIPPEN SELECTRON LT or equivalent Indication and Measuring Instruments: The panel should be provided with a Three phase Indication for Incoming supply Indication. b ACB ON , ACB TRIP , ACB OFF Indication. c Digital Multifunction meter for both incomers, Meter size 96 X96 mm .</p>	
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**Lot No: 1 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 2	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Installation Power Distribution Panel	1.0Activity	INR	-	-

**Lot No: 2 Specific Terms**

TECHNICAL SPECIFICATION		
Sl.No	Terms	Component

1	<p>ITEM 2. Installation Power Distribution Panel</p> <p>1. The firm shall install and commission the supplied Power Distribution Panel with bus coupler on the base frame provided along with panel.</p> <p>2. The panel shall be fixed with grouting and removable L plates at the location specified by CNP's authority.</p> <p>3. The firm should terminate all incoming and outgoing cables with proper size of Lugs and Cable glands. The Lugs and cable glands should be of reputed make like Dowells , Jainsons, Crimpwell or Equivalent</p> <p>4. The firm should terminate the earthing at two points on the Panel.</p> <p>5. It shall be the firm's responsibility to provide supervisor engineer during the installation and commissioning of the Power Distribution Panel.</p> <p>6. CNP shall provide free electricity. All other tools and tackles required for Installation and Commissioning should be brought by the firm.</p> <p>7. The firm should supply all required accessories for installation of power distribution panel.</p> <p>8. The Firm shall furnish test report for Panel for HV test.</p> <p>9. The firm shall carry out the megger test for whole installation before charging and submit the report.</p> <p>10. The firm shall charge the cable after permission of CNP's authority in the presence of CNP's engineer.</p> <p>Qty :01 AU</p>	Agree Only
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**Lot No: 2 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No

b	GST AMOUNT ON A	-	Numeric Text Only	2	No
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Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 3	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 400 sq mm x 3½core XLPE	400.0MTR	INR	-	-

### Lot No: 3 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	<p>ITEM 3. Supply of 400 sq mm x 3½core XLPE insulated Aluminium multi strand conductor Armoured Power cable Double Run cable for feeding electrical power from Electrical Sub-station-I to the Incomer-I and Incomer-II for Proposed Power Distribution Panel in proposed Dry offset Machine section SUSI-IV Section , CNP-I Technical Specification of 400 Sq mm x 3½core Aluminium Power Cable : XLPE Insulated, inner sheathed, Armoured Power Cable Conductor : Aluminium multi-strand Voltage Grade : 1.1 KV Size : 400 Sqmm , Core : 3½ Confirming to : As per Latest IS or IEC Nominal System Voltage :415 440 V - 10 Nominal System Frequency : 50 Hz - 3 Conductor type : Stranded Insulating Material : XLPE Core Identification Strips : Red , Yellow, Blue BlackGreen Make : POLYCAB LAPP CCI HAVELLS Equivalent Quantity : 400 mtr.</p>	Agree Only
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**Lot No: 3 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 4	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
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ELECTRICAL SITE PREPARATION WORK	Electrical Works	Laying Installation of 400 sq mm x 3½core XLPE Cable	400.0MTR	INR	-	-
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**Lot No: 4 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
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1	<p>ITEM 4. Laying Installation of 400 sq mm x 3½core XLPE insulated Aluminium conductor Armoured Power cable Double Run for Incomer-I and Incomer-II from Electrical Sub-station-I to the Proposed Power Distribution Panel in proposed Dry offset Machine section SUSI-IV Section , CNP-I 1. The firm shall carryout the laying installation work of above supplied power cable in double run from Electrical Sub-station-I to Incomer-I and Incomer-II of the Proposed Power Distribution Panel in proposed Dry offset Machine section SUSI-IV Section , CNP-I 2. The firm shall supply all required Cable Gland, Lugs, Clamp , etc. whichever is required for termination installation work of the cable at Proposed Power Feeder Panel of Electrical Sub-station-I and Proposed Power Distribution Panel in proposed Dry offset Machine section SUSI-IV , CNP-I 3. The firm shall fix and route the cable through the route specified by CNP s Authority. The cable shall be fixed with clamp wherever required to hold the cable at its position. All clamps should be of heavy duty, MS material duly coloured with oil based black colour. 4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr. distance to trace the cable. 5. The Aluminium copper lugs should be used for connection to Aluminium cable copper bus-bar and cable. 6. The accessories like Lugs, cable glands etc. should be of reputed make like Dowells, Jainson or Equivalent. Qty :01AU400mtr</p>	Agree Only
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**Lot No: 4 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 5	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 1.1kv 120 sqmm 4core copper cable	300.0MTR	INR	-	-

**Lot No: 5 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
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1	<p>ITEM 5. Supply of 120 sq mm x 4 core PVC Insulated multi strand Hair thin strand conductor Unarmoured copper cable for feeding electrical power from Proposed Power Distribution Panel in Dry Offset section SUSI-IV, CNP-I to the Proposed Dry offset Machines Technical Specification of 120 Sq mm x 4 core copper flexible Cable : PVC Insulated, inner sheathed, Unarmoured flexible Cable Conductor: Copper multi-strand Hair like thin strand, Flexible Voltage Grade : 1.1 KV Size : 120 Sqmm , Core : 4 Confirming to : As per Latest IS or IEC standard Nominal System Voltage :415 440 V - 10 Nominal System Frequency : 50 Hz -3 Conductor type : Multi strand Flexible Hair like thin strandcopper conductor Insulating Material : PVC Core Identification Strips : Red , Yellow, Blue Black or Green Make : POLYCAB LAPP CCI HAVELLS Equivalent. Qty: 300mtr</p>	Agree Only
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**Lot No: 5 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 6	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
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ELECTRICAL SITE PREPARATION WORK	Electrical Works	Installation 1.1 kv 120sqmm 4core copper Cable	300.0MTR	INR	-	-
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**Lot No: 6 Specific Terms**

TECHNICAL SPECIFICATION		
Sl.No	Terms	Component

1	<p>ITEM 6. Laying Installation of 120 Sq. mm. x 4 core Copper Unarmoured PVC Insulated, Multistrand Power Cable from New Power Distribution panel to proposed Dry offset machines. 1. The firm shall carryout the laying installation work of above supplied power cable from New PDB panel 400 Amp, MCCB mains Qty. 03 Nos. to incomer of proposed 03 Dry offset machine in SUSI-IV section CNP-I for machine power supply. 2. The firm shall supply all required Cable Glands, Lugs, Clamps, metallic ladders whichever is required for termination installation work of the cable at Power Distribution Panel and Main Switches of proposed Dry offset machine main. 3. The firm shall fix and route the cable through the route specified by CNP s Authority. 4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr distance to trace the cable. 5. The copper lugs should be used for connection to copper cable copper busbar. 6. The accessories like Lugs, cable gland etc. should be of reputed make likeDowells, Jainson or Equivalent. 7. The firm shall carry out the megger test for whole installation before charging and submit the report. 8. The firm shall charge the cable after permission of CNP s authority in the presence of CNP s engineer. Qty : 01AU300mtr</p>	Agree Only
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**Lot No: 6 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 7	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 1.1 kv 35sqmm 4 core Cu cable	450.0MTR	INR	-	-

### Lot No: 7 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	ITEM 7. Supply of 35 sq mm x 4 core copper Multistrand PVC insulated inner sheathed Un-Armoured Flexible Power cable for Auxilary machines of proposed Dry offset Machines. Technical Specification of 35 Sq mm x 4 Core Copper Flexible Power Cable : PVC Insulated, inner sheathed, flexible Power Cable, Conductor : Copper multi-strandHair-like thin strands, Flexible Voltage Grade : 1.1 KV ,Size : 35 Sqmm , Core : 4 Confirming to As per Latest IS or IEC Nominal System Voltage : 415440 V - 10 ,Nominal System Frequency : 50 Hz -3 Insulating Material : PVC ,Core Identification Strips : Red , Yellow , Blue, Black or Green for Neutral Make: POLYCAB LAPP CCI HAVELLS Equivalent only Qty : 450mtr	Agree Only
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**Lot No: 7 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 8	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Install. of 1.1kv 35sqmm 4core Cu cable	450.0MTR	INR	-	-

Lot No: 8 Specific Terms

TECHNICAL SPECIFICATION

Sl.No	Terms	Component
1	<p>ITEM 8. Laying Installation of 35 Sq.mm x 4 Core Copper PVC insulated Unarmoured Flexible Power cable from Power Distribution panel of Dry offset machine section SUSI-IV, CNP-I to 03 nos. of proposed air compressor units ,TRU s and Chiller panels. 1. The firm shall carryout the laying installation work of above supplied power cable from Power Distribution panel of Dry offset Machine section SUSI-IV Section, CNP-I to proposed 03 nos. of Air Compressor ,TRU s and Chiller Unit panels. 2. The firm shall supply all required Cable Glands, Lugs, Clamps , etc. whichever is required for laying, termination installation work of the power cable at Power Distribution Panel and Main control panel of Air Compressors. 3. The firm shall fix and route the cable through the route specified by CNP s Authority. The cable shall be fixed with to hold the cable at its position. All clamps should be of heavy duty, MS material duly coloured with black colour. 4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr. distance to trace the cable. Qty : 01AU450mtr</p>	Agree Only

Lot No: 8 Price Parameters/ Formula



Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 9	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 32A TPN MCCB	10.0NO	INR	-	-

### Lot No: 9 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	<p>ITEM 9. Supply of 32 A TPN MCCB Main switches enclosed in enclosure TPN 32 A MCCB main switch enclosed in Sheet steel enclosure, duly powder coated fabricated out of 18 SWG CRCA sheet complete with Rotary Handle Operating mechanism and Wall Mounting Brackets Detailed Specification : Moulded case circuit breaker MCCB Rating : 32 Amp, Number of Poles : Three pole, Ue : 415 V AC, 5060 Hz, Working voltage- 415440volts AC, 5060 Hz Icu At 380-440V AC : 15 KA , Indication : RYB phase indication on panel Standard : As per Latest IS or IEC Make : ABB SIEMENS L T or Equivalent The enclosure shall be of folded CRCA sheet construction . The enclosure shall be fabricated in 18 SWG CRCA sheet. The enclosure shall have sufficient reinforced structure to sustain operational vibration, provide rigidity during shipment and installation. The enclosure shall be powder coated with shade RAL 7032 IS 631 after execution of surface treatment such as degreasing, acid pickling. The size of enclosure shall be such that the termination of cable shall be easy. The enclosure shall have provision for cable entry from bottom as well as top side. The Main MCCB shall be provided with staggered copper termination to properly terminate the cable with phase barriers of suitable material. Qty: 10nos</p>	Agree Only
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**Lot No: 9 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 10	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Install. of 32A TPN MCCB	10.0NO	INR	-	-

### Lot No: 10 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	<p>ITEM 10. Installation Commissioning of 32 A TPN MCCB Enclosed Power distribution Switches at proposed Dry offset Machine section SUSI-IV, CNP-I at 10 different Locations a The firm shall install commission the supplied three phase power distribution Switches 32A MCCB with Sheet steel enclosure on the wall of the proposed Dry offset Machine section SUSI-IV Section , CNP-I at 10 different locations specified by CNP s Authority. b The firm shall supply mounting bracket made up with heavy duty MS angle of suitable Size, duly coloured with black oil based colour after providing protective red oxide coating. c The firm shall mount the main switches on the mounting bracket by fixing on the wall. d The firm shall terminate incoming cable to the main switch by providing all required accessories like Lugs, gland etc, of reputed make. e The Firm should provide Danger sign board on each Switch enclosure. Qty : 1AU 10Nos</p>	Agree Only
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**Lot No: 10 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 11	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 5 16A 240v 1Ph.3 pin socket	10.0NO	INR	-	-

**Lot No: 11 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
1	ITEM 11. Supply of 5 16 Amp 230 V AC single phase three pin power socket and 16Amp SP MCB main enclosed in metallic enclosure wall mounting bracket The enclosure shall be of folded CRCA sheet construction. The enclosure shall be fabricated in 18 SWG CRCA sheet. The enclosure shall have sufficient reinforced structure to sustain perational vibration, provide rigidity during shipment and installation. The enclosure shall be powder coated with shade RAL 7032 IS 631 after execution of surface treatment such as degreasing, acid pickling. The size of enclosure shall be such that the termination of cable shall be easy. The enclosure shall have provision for cable entry from bottom as well as top side. The Main MCB shall be provided with copper termination to properly terminate the cable. Make : ANCHORROMA HAVELLS LT ABB or equivalent Qty : 10nos	Agree Only

**Lot No: 11 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 12	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Install. of 5 16A 240v 1Ph. 3 pin Socket	10.0NO	INR	-	-

### Lot No: 12 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	<p>ITEM 12. Installation Commissioning of 5 16 Amp 240 V AC single phase three pin power socket and 16 Amp SP MCB enclosed in metallic enclosure wall mounting bracket at proposed Dry offset Machine section SUSI-IV, CNP-I at 10 different Locations 1. The firm shall install commission the supplied single phase 3 Pin 5 16 A socket MCB with Sheet steel enclosure on the wall of the proposed Dry offset Machine section SUSI-IV , CNP-I at 10 different locations specified by CNP sAuthority. 2. The firm shall supply mounting bracket made up of heavy duty MS angle of suitable Size, duly coloured with black oil based colour after providing protective red oxide coating. 3. The firm shall mount the 5 16 Amp 240 V AC single phase three pin socket and 16 Amp SP MCB enclosure on the mounting bracket by fixing on the wall. 4. The firm shall terminate incoming cable to the 5 16 Amp 240 V AC single phase three pin socket and 16 Amp SP MCB enclosure by providing all required accessories like Lugs, gland etc, of reputed make. 5. The firm shall carry out the megger test for the installation before charging and submit report. 6. The firm shall charge the cable after permission of CNP s authority in the presence of CNP s engineer. 7. The firm shall carry out the voltage test for P-N, N-E, P-E voltages and submit report. Qty : 1AU10nos</p>	Agree Only
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**Lot No: 12 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 13	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 16sqmm 4 core Cu. Arm. cable	300.0MTR	INR	-	-

### Lot No: 13 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	ITEM 13. Supply of 16 sq mm x 4 core Copper multi-strand conductor, PVC insulated Armoured Power cable for 32A TPN MCCB Main Switch Technical Specification of 16 Sq mm x 4 Core Copper multi-strand conductor, Armoured Power Cable : PVC Insulated, inner sheathed, Armoured multi-strand Power Cable Conductor : Copper multi-strand Voltage Grade : 1.1 KV ,Size : 16 Sqmm , Core : 4 Confirming to : As per Latest IS or IEC Nominal System Voltage : 415440 V - 10 ,Nominal System Frequency : 50 Hz -3 Conductor type : Multi-strand Insulating Material : PVC Core Identification Strips : Red , Yellow , Blue, Black or Green for Neutral Make : POLYCAB LAPP CCI HAVELLS or Equivalent Quantity : 300 mtr.	Agree Only
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**Lot No: 13 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 14	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
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ELECTRICAL SITE PREPARATION WORK	Electrical Works	Laying installation of 16sqmm 4 core Cu. Arm.Cable	300.0MTR	INR	-	-
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**Lot No: 14 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
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1	<p>ITEM 14. Laying Installation of 16 Sq.mm x 4 Core Copper multi-strand conductor, PVC insulated Armoured power cable from Power Distribution panel to proposed three phase outlet switches TPN provided at 10 different locations in the proposed Dry offset Machine section SUSI-IV Section , CNP-I 1. The firm shall carryout the laying installation work of above supplied power cable from 63 Amp, MCCB mains Qty. 01 No. of Power DB to three phase outlet switches provided at 10 different locations on North-South and East-West Gangway wall in the proposed Dry offset Machine section SUSI-IV Section ,CNP-I for auxiliary power supply. 2. The firm shall supply all required Cable Glands, Lugs, Clamps , etc. whichever is required for termination installation work of the cable at Power Distribution Panel and Main Switches of TPN SUSI-IV Section , CNP-I . 3. The firm shall fix and route the cable through the route specified by CNP s Authority. 4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr. distance to trace the cable. 5. The copper lugs should be used for connection to copper cable copper busbar. 6. The accessories like Lugs, cable glands etc should be of reputed make like Dowells, Jainson or Equivalent. Qty : 1AU300mtrs</p>	Agree Only
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**Lot No: 14 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
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a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 15	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply pf 2.5sqmm 3 core Cu. Arm. cable	200.0MTR	INR	-	-

### Lot No: 15 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
1	ITEM 15. Supply of 2.5 sq mm x 3 core Copper multi-strand conductor, PVC insulated Armoured Power cable for 516 Amps. Socket Technical Specification of 2.5 Sq mm x 3 Core Copper multi-strand conductor, Armoured Power Cable : PVC Insulated, inner sheathed, Armoured Power Cable Conductor : Copper multi-strand Flexible Voltage Grade : 1.1 KV , Size : 2.5 Sqmm , Core : 3 Confirming to Nominal System Voltage : 415440 V - 10 Nominal System Frequency : 50 Hz -3 Conductor type : Multi-strand Insulating Material : PVC as per applicable IS or IEC standards Make : POLYCAB LAPP CCI HAVELLS or Equivalent Qty :200mtr	Agree Only

**Lot No: 15 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 16	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Laying of 2.5sqmm 3 core Cu. Arm. cable	200.0MTR	INR	-	-

**Lot No: 16 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
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1	<p>ITEM 16. Laying Installation of 2.5 Sq.mm x 3 Core Copper multi-strand conductor, PVC insulated Armoured power cable from Power Distribution panel to single phase Power Outlet provided on wall at 10 different Locations in the proposed Dry offset Machine section SUSI-IV Section , CNP-I 1. The firm shall carryout the laying installation work of above supplied power cable from 63 Amp, MCCB of proposed PDB to single phase Power Outlets provided on wall at 10 different Locations in the proposed Dry offset Machine section SUSI-IV Section , CNP-I for auxiliary single phase power supply. 2. The firm shall supply all required Cable Glands, Lugs, Clamps , etc. whichever is required for termination installation work of the cable at Power Distribution Panel and Aux. single phase power outlet of Dry offset Machine section SUSIIV Section , CNP-I 3. The firm shall fix and route the cable through the route specified by CNP s Authority. 4. The copper lugs should be used for connection to copper cable copper bus-bar. 5. The accessories like Lugs, cable glands etc should be of reputed make like Dowells, Jainson or Equivalent. Qty : 1AU 200mtr</p>	Agree Only
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**Lot No: 16 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No

b	GST AMOUNT ON A	-	Numeric Text Only	2	No
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Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 17	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 1.1kv 50sqmm 1core cable	50.0MTR	INR	-	-

### Lot No: 17 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
1	ITEM 17. Supply of 50 sq.mm copper single core PVC Insulated Flexible Multistrand cable Technical Specification of 50 Sq mm single Core Copper multi-strand conductor Cable :PVC Insulated, flexible Cable Conductor : Copper multi-strand, Flexible Hair like Thin strand Voltage Grade : 1.1 KV ,Size : 50 Sqmm, Core : 1 Confirming to : As per Latest IS or IEC standard Nominal System Voltage :415 440 V - 10 ,Nominal System Frequency : 50 Hz - 3 Conductor type : Multi-strand flexible copper, Insulating Material : PVC Core Identification Strips : Green-Yellow For earthing Make : POLYCAB LAPP CCI HAVELLS Equivalent Qty : 50mtr	Agree Only

### Lot No: 17 Price Parameters/ Formula

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 18	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Laying of 1.1kv 50sqmm 1core Cu. Cable	50.0MTR	INR	-	-

### Lot No: 18 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	<p>ITEM 18. Laying Installation of 50 Sq.mm copper single core PVC Insulated Flexible Multi strand cable 1. The firm shall carryout the laying installation work of above supplied 50 Sq mm x 1 Core Copper multi-strand conductor cable from copper earth strip in trench to nearest Dry offset machine at 3 different locations each in the proposed Dry offset Machine section SUSI-IV Section , CNP-I . 2. The firm shall supply all required Lugs, Clamp, etc. whichever is required for termination installation work of the 50 Sq mm , single Core Copper multistrand conductor cable from copper earth strip in trench to nearest Dry offset machine of Dry offset Machine section SUSI-IV Section ,CNP-I Section ,CNP-I . 3. The firm shall fix and route the 50 Sq mm , single Core Copper wire through the route specified by CNP s Authority. 4. The accessories like Lugs, clamps etc. should be of reputed make like Dowells, Jainson OR Equivalent. Qty : 01AU 50mtr</p>	Agree Only
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**Lot No: 18 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 19	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 1.1kv 16sqmm 1core Cu. Cable	50.0MTR	INR	-	-

**Lot No: 19 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
1	ITEM 19. Supply of 16 sq.mm copper single core PVC Insulated Flexible Multistrand cable Technical Specification of 16 Sq mm single Core Copper multi-strand conductor Cable : PVC Insulated, flexible Cable Conductor : Copper multi-strand, Flexible Hair like Thin strand Voltage Grade : 1.1 KV ,Size : 16 Sqmm , Core :1 Confirming to As per Latest IS or IEC standard Nominal System Voltage :415 440 V - 10 ,Nominal System Frequency : 50 Hz -3 Conductor type : Multi-strand flexible copper Insulating Material : PVC Core Identification Strips : Green-Yellow For earthing As per applicable IS or IEC standards Make : POLYCAB LAPP CCI HAVELLS Equivalent Qty : 50mtr	Agree Only

**Lot No: 19 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

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Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 20	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Laying of 1.1kv 16sqmm 1core Cu. Cable	50.0MTR	INR	-	-

**Lot No: 20 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
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1	<p>ITEM 20. Laying Installation of 16 Sq.mm copper single core PVC Insulated Flexible Multistrand copper cable 1. The firm shall carryout the laying installation work of above supplied 16 Sq mm single Core Copper multi-strand conductor cable from copper earth strip in trench to Dry offset machine s auxiliary machine in the proposed Dry offset Machine section SUSI-IV Section , CNP-I . 2. The firm shall supply all required Lugs, Clamp, etc. whichever is required for termination installation work of the 16 Sq mm , single Core Copper multistrand conductor cable from copper earth strip in trench to nearest of Dry offset Machine section SUSI-IV Section , CNP-I . 3. The firm shall fix and route the 16 Sq mm , single Core Copper wire through the route specified by CNP s Authority. The 16 Sq mm ,single Core Copper wire shall be fixed with suitable clamp to hold the wire in position. 4. The accessories like Lugs, clamps etc. should be of reputed make like Dowells, Jainson or equivalent . Qty : 01AU50Mtr</p>	Agree Only
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**Lot No: 20 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 21	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply Instal. of Bare Earthing Wire	100.0MTR	INR	-	-

### Lot No: 21 Specific Terms

TECHNICAL SPECIFICATION		
Sl.No	Terms	Component
1	ITEM 21. Supply and installation of 8 SWG copper bare earthing wire Grade of the conductor :Electrolytic Conductor Purity : 99.9 pure copper conductor Size of the conductor : 8 SWG Quantity : 100mtr. Qty : 100mtr Make : any standard	Agree Only

### Lot No: 21 Price Parameters/ Formula

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 22	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
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ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of Earthing System	4.0NO	INR	-	-
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<b>Lot No: 22 Specific Terms</b>						
<b>TECHNICAL SPECIFICATION</b>						
<b>Sl.No</b>	<b>Terms</b>			<b>Component</b>		

1	<p>ITEM 22. Supply of Earthing system  Detailed Technical Specification: This specification covers earth electrodes, ground enhancing materials used for a maintenance free earthing system in line with the guidelines as per As per Latest IS or IEC standard to ensure that the resistance of the earth pits should be around 2 Ohm limits. The Earthing system should be designed in such way that earth pits resistance should be less than or equal to 02 ohms. Earth Electrode: High tensile low carbon steel rod of 3 mtr. length 32 mm. dia with 250 micron average molecularly bonded copper on the outer surface. The Carbon Steel Rod should be Tested at CPRI for short current time rating of 55KA rms for 1 sec. The firm should provide test certificate along with quotation. Make : INDELEC JEF TECHNO SYSTEM ERICO or Equivalent. Activated Carbon Based Back-fill Grounding Compound:- The Back-fill compound should be strictly Activated Carbon based conductive type, having a very low resistivity As per Latest IS or IEC standard. The Back-fill should be tested as per As per Latest IS or IEC standard. The firm should provide test certificate along with quotation. The composition of Back-fill compound should be such that it should not require the continuous presence of water moisture salt to maintain its conductivity. The Back-fill compound should contain corrosion inhibitor to prevent oxidation of Earth electrode. The Back-fill compound should not contain hazardous chemicals to human</p>	Agree Only
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soil. The firm should provide necessary test certificate from reputed laboratories along with quotation. The Back-fill compound should be supplied in different bags of 50 pounds/25Kg. Make INDELEC JEF TECHNO SYSTEM ERICO or Equivalent.

1. The firm shall supply 4 nos. of Earth electrode.
2. The firm shall supply minimum 6 bags of activated carbon based back-fill Grounding compound
3. The firm shall submit : Following Test Certificates for Earthing system
4. Short circuit withstanding capacity of the copper bonded rod from CPRI ERDA or Equivalent.
5. Corrosion test certificate for the backfill compound from an independent laboratory
6. Earth system should be as per Latest IS or IEC.
7. Sulphur test certificate for the backfill compound from reputed laboratory
8. Resistivity test certificate for the backfill compound from an independent laboratory.

Qty: 04nos Make : INDELECJEFEquivalent

**Lot No: 22 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 23	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
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ELECTRICAL SITE PREPARATION WORK	Electrical Works	Installation of Earthing System	4.0NO	INR	-	-
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<b>Lot No: 23 Specific Terms</b>						
<b>TECHNICAL SPECIFICATION</b>						
<b>Sl.No</b>	<b>Terms</b>			<b>Component</b>		

1	<p>ITEM 23. Installation of Earthing System</p> <p>1. The firm shall conduct the soil resistivity test, prior to start of Earthing job in the presence of CNP s Authority. 2. The firm shall carry out the digging work required for the earth pit of size 3 mtr. x 6 at specified location and it should be filled with carbon based earthing powder in proper proportion in mixture as per standard guidelines. 3. The firm shall connect the earthing electrode with suitable size of copper connector to the earthing strip. 4. The firm shall install the test link box at the earth pit chamber with all the required accessories to Complete the earthing system. 5. After completion of the earthing system work , the firm shall carry out the earthing resistivity test and value of the resistance shall be maintained less than or equal to 02 ohms. 6. The firm shall supply necessary bricks, cement, sand etc. required for earth pit installation work. 7. The earth pit shall be properly covered with heavy duty PVCmetallic removable cover. 8 The firm shall measure the earth resistance in presence of CNP engineer and submit report.</p> <p>Qty : 01 AU. 04 nos</p>	Agree Only
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**Lot No: 23 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 24	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of Cu. Earthing strip 25mm X 3mm	500.0MTR	INR	-	-

### Lot No: 24 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
1	ITEM 24. Supply of Copper Earthing strip Detailed Specification of Earthing strip: Grade of the conductor :Electrolytic Conductor Purity : 99.9 pure copper conductor Size of the strip : 25 mm x3 mm Make : Any standard Qty : 500mtr	Agree Only

### Lot No: 24 Price Parameters/ Formula

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 25	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
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ELECTRICAL SITE PREPARATION WORK	Electrical Works	Laying of Cu. Earthing Strip 25mmX3mm	500.0MTR	INR	-	-
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**Lot No: 25 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
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1	<p>ITEM 25. Laying, Installation  Commissioning of Copper Earthing strip conductor 1. The firm shall route lay the copper earthing strip conductor size : 25 mm x 3 mm from New earth pits CNP-I to the Dry offset Machine section SUSI-IV Section, CNP-I. 2. The earthing conductor shall be fixed with rectangular clamp for proper fixing arrangement, it should not be loose along the route. 3. The earthing conductor should be properly terminated to the Machine s Panel and earthing pit. 4. The earthing conductor should be fixed with the copper brass nut bolts. 5. The earthing conductor shall be connected to new earth pits installed NearSub Station , CNP-I by properly fixing with copper brass nut bolts 6. Each and every joint during the laying of the copper conductor shall be overlapped more than 6 and joint shall be fixed with the copper brass nut bolts. 7. The bare strip conductor should be covered with green coloured heat shrinkable insulating sleeve. 8. The earthing shall be dedicated only for proposed Dry offset Machine Qty 03 sets of machines in SUSI-IV Section , CNP-I .hence proper insulator shall be provided, if there is any crossover with other earthing metal during the laying of conductor to avoid any interference due to other earthing conductor. 9. The earthing conductor shall be marked with suitable markers at regular intervals to indicate that it is intended for Offset Machine SUSI-IV Section. Qty : 01AU500mtr</p>	Agree Only
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**Lot No: 25 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 26	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of GI Earthing Conductor Zinc coat	350.0MTR	INR	-	-

**Lot No: 26 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
1	ITEM 26. Supply of GI earthing strip: Detailed Specification of Earthing strip: Material of conductor: Soft Mild steel with Galvanized Size of conductor: 50mm x 5 mm Supplied GI Conductor should have Zinc coating of 100-150 Micron to avoid corrosion or deterioration due to environmental factors. Make : Any standard Qty: 350mtr	Agree Only

**Lot No: 26 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

### Lot Details

Lot Name 27	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Laying of GI Earth Conductor Zinc Coat	350.0MTR	INR	-	-

### Lot No: 27 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	<p>ITEM 27. Laying Installation of GI earthing strip 1. The firm shall carryout the laying installation work of above supplied GI earthing strip of 50mm x5 mm size from New earth pits to the Proposed Dry offset Machine Sec. SUSI-IV Section,CNP-I . 2. The firm shall supply all required Lugs, Clamp, etc. whichever is required for termination installation work of the GI earthing strip 3. The firm shall fix and route the GI earthing strip through the route specified by CNP s Authority. The GI earthing strip shall be fixed with suitable clamp to hold the it in position. 4. The earthing conductor will be properly terminate at both ends of Equipment Earthing. Each and every joint during the laying of the G.I. conductor will be overlapped more than 6 and fixed with the copper brass nuts and bolts and minimum 3 nos. of nut and bolts with proper washer will be used. 4.. The accessories like Lugs, clamps etc. should be of reputed make like Dowells, Jainson and Equivalent . Qty : 01 AU. 350 mtr.</p>	Agree Only
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**Lot No: 27 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)



**Lot Details**

Lot Name 28	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of Bus Coupler Panel	1.0NO	INR	-	-

**Lot No: 28 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
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1	ITEM 28. Supply of Power Distribution PanelPDB with bus coupler for New Dry offset Printing machines in sub station-I with 3-Way panel. Technical Details: The Panel shall be of totally enclosed floor mounting free standing fully compartmentalized front operated, dust vermin proof construction. It shall be a compact unit with all smooth joints close fitting unobtrusive and conforming to IP 42 protection. The Power distribution panel shall be of folded CRCA sheet construction assembled on Channel Angle Iron base-frame. The Panel shall be fabricated in 16 SWG CRCA sheet. The panel shall have sufficient reinforced structure to sustain operational vibration, provide rigidity during shipment and installation. The panel shall be powder coated of seven tank process with shade RAL 7032 after execution of surface treatment such as degreasing, acid pickling etc. The panel shall have provision for cable entry from bottom as well as top side. The panel shall have lifting hooks at each corner for shifting and handling. The Incoming and Outgoing Bus-bar shall be of electrolytic grade Copper of capacity min 1.8 A sq. mm with tinned copper interconnections and duly insulated with heat shrinkable sleeve with phase identification marking. All terminals shall be shrouded in approved manner to maintain the phase to phase insulating distance. The bus bars shall be of suitable rating of 1250 Amps. All CTsPTs used for metering shall be resin cast and of standard brand. All Control wiring shall be	Agree Only
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of 1.5 sq.mm. for potential 2.5 sq.mm. for current with flexible multi strand copper wire having terminal ferrules for identification. All access doors shall be provided with rubberneoprene gasket and latches that are sufficiently strong to hold them in alignment when closed. All operating handles shall be having door interlock latching arrangement. Panel Name plate shall be provided on the front side with manufacturer s name, address, contact information, CNP s P.O. number etc. and the type of panel viz. PDB FOR SUSI IVNew offset machine SECTION. Name plates shall be provided on the front side and back side of the panel at outgoing terminals for easy identification. All vertical cubicle-sections of the panels shall be marked with column numbers for identifying the respective column from both front and back sides of the panel. The namenummer plates shall be made up of black anodized aluminium plate with sufficient readable text size. All switches shall be mounted at easily accessible height and highest operating handle shall not be more than 1.75 meter high from the floor. Danger sign board of proper size shall beprovided on the front back sides of the panel conforming to IEA Rules. Arrangement for double earthing terminals shall be provided on the frame at two separate points. Cable entry hole shall be provided for incoming as well as outgoing cables with knock out type gland plates from bottom and top. Incoming Feeder: The panel consist of 2 incomer ACB

and 01 Bus coupler ACB 02 Incomer 01 Bus coupler 1250 A , 415440V AC , 4 Pole , 50 KA microprocessor based Air circuit breaker with earth fault trip and Under voltage trip, Electrically operated Draw out type. Details of Air Circuit Breaker: Rating : 1250 A Type : Electrically Operated Draw out Type EDO Current Limiting with PR 121 P LSIG Release or Equivalent. Number of Pole : 4 with Neutral , Current Carrying capacity 100 of Rated Current Breaking Capacity : 50KA Termination Arrangement : specious Ue : 415 V AC or better 5060 Hz, Working voltage-415440V AC, Icu at 220 440V AC : 50 KA, Ics at 220 440V AC : 50KA , Icw : for 0.5 s - 50KA or better . Current Sensor : Standard Brand Power consumption: 147.5 Watt or less Trip Unit : Without external Power supply, Sensitive to RMS value of Current, inter-changeability with other type of trip unit without any modification, Configurable setting for neutral : as per design. With Shunt Open Release Shunt Closing Release 220-240 VAC With front accessible control terminal, Shunt Open , Shunt Close release, Motor Mechanism. Protection against: Earth, Overload and short circuit protection. Checking of Trip Status : Continuous Check of CT Monitoring: Continuous Metering : Digital Multi-function Meter Incomer for 1 2 Each Indication : RYB for Incomer 1 2 , ON-OFF-TRIP selector switch : ACB selector switch with Auto Manual selection. Standard applicable : Latest IS or IEC standard Preferred Make : A ACB :

	<p>SIEMENS ABB LT or Equivalent B Indicators : SIEMENS ABB LT TEKNIK or equivalent C Meters : RUSHABH NIPPEN SELECTRON LT or equivalent Indication and Measuring Instruments : The panel should be provided with a Three phase Indication for Incoming supply Indication. b ACB ON , ACB TRIP , ACB OFF Indication. c Digital Multi function meter for both incomers ,Meter size 96 X96 mm QTY: 01NOS</p>	
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**Lot No: 28 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 29	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Install. of Bus Coupler Panel	1.0NO	INR	-	-

**Lot No: 29 Specific Terms**

TECHNICAL SPECIFICATION		
Sl.No	Terms	Component

1	<p>ITEM 29. Installation, testing Commissioning of Electrical Distribution panel with Bus coupler in the in substation</p> <p>1. 1. The firm shall install and commission the supplied Power Distribution Panel with bus coupler on the base frame provided along with panel. 2. The panel shall be fixed with grouting and removable L plates at the location specified by CNP s authority. 3. The firm should terminate all incoming and outgoing cables with proper size of Lugs and Cable glands. The Lugs and cable glands should be of reputed make like Dowells , Jainsons, Crimpwell or Equivalent. 4. The firm should terminate the earthing at two points on the Panel. 5. It shall be the firm s responsibility to provide supervisor engineer during the installation and commissioning of the Power Distribution Panel. 6. CNP shall provide free electricity. All other tools and tackles required for Installation and Commissioning should be brought by the firm. 7. The firm should supply all required accessories for installation of power distribution panel. 8. The Firm shall furnish test report for Panel for HV test. 9. The firm shall carry out the megger test for whole installation before charging and submit the report. 10. The firm shall charge the cable after permission of CNP s authority in the presence of CNP s engineer. Qty : 01 AU.</p>	Agree Only
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**Lot No: 29 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No
Price formula: a+b (Up to 2 Decimal Place)					

### Lot Details

Lot Name 30	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of 400sqmm 3.5core XLPE AI Cable	100.0MTR	INR	-	-

### Lot No: 30 Specific Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	ITEM 30. Supply of 400 sq mm x 3½core XLPE insulated Aluminium strand conductor Armoured Power cable for Substation I PDB. Technical Specification of 400 sq mm x 3½core XLPE insulated Aluminium Cable : inner sheathed , XLPE Insulated, armoured Cable. Conductor: Aluminium multi-strand flexible Voltage Grade : 1.1 KV Size : 400 Sqmm , Core : 3½core Confirming to : As per Latest IS or IEC standard Nominal System Voltage : 415440 V - 10 ,Nominal System Frequency : 50 Hz -3 Conductor type : Stranded Insulating Material : XLPE Core Identification Strips : Red , Yellow, Blue BlackGreen As per applicable Is or IEC standard Make : POLYCAB LAPP CCI HAVELLS or Equivalent Qty : 100mtr	Agree Only
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**Lot No: 30 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 31	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Laying of 400sqmm 3.5core XLPE Al cable	100.0MTR	INR	-	-



Lot No: 31 Specific Terms

TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	<p>ITEM 31. Laying termination ,installation and commissioning of 400 sq mm x 3½core XLPE insulated Aluminium conductor Armoured Power cable Double Run for Incomer-I and Incomer-II each from Electrical Sub-station-I to the Proposed Power Distribution Panel in Sub station I . 1. The firm shall carryout the laying installation work of above supplied power cable in double run from Electrical Sub-station-I to Incomer-I and Incomer-II of the Proposed Power Distribution Panel in Sub station I for proposed Dry offset Machine section SUSI-IV Section , CNP-I 2. The firm shall supply all required Cable Gland, Lugs, Clamp , metallic ladders whichever is required for termination installation work of the cable at Proposed Power Feeder Panel of Electrical Sub-station-I . 3. The firm shall fix and route the cable through the route specified by CNP s Authority. The cable shall be fixed with clamp to hold the cable at its position. All clamps should be of heavy duty, MS material duly coloured with oil based black colour. 4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr. distance to trace the cable. 5. The Aluminium copper lugs should be used for connection to Aluminium cable copper bus-bar. 6. The accessories like Lugs, cable glands etc. should be of reputed make like Dowells, Jainson or Equivalent. Qty : 01AU 100mtr</p>	Agree Only
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**Lot No: 31 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No

Price formula: a+b (Up to 2 Decimal Place)

**Lot Details**

Lot Name 32	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ELECTRICAL SITE PREPARATION WORK	Electrical Works	Supply of Ele. Insulation Mat 10MX1MX3mm	30.0MTR	INR	-	-

**Lot No: 32 Specific Terms**

**TECHNICAL SPECIFICATION**

Sl.No	Terms	Component
1	ITEM 32. Supply of Electrical Insulating Mats Technical Specifications:- Electrical Insulating Mats conforming to IS 156522006 Size: Length 1.8 m. x Width 0.9 m. x Thickness 10mm. Insulation Rating: Minimum 3.3 KV Make: ELECTROMAT DURATUF or Equivalent Qty : 30mtr	Agree Only

**Lot No: 32 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
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a	BASIC PRICE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No
Price formula: a+b (Up to 2 Decimal Place)					



**CURRENCY NOTE PRESS**  
(A UNIT OF Security Printing and Minting Corporation of India Limited) Wholly owned by Government of India  
Nashik Road # 422101 (Maharashtra)  
(ISO : 9001 & ISO 14001 Certified Unit)  
Tel. No 00- 91-253-2463730-39, 2461471  
Fax No:00-91-2532464100 CIN: U22213DL2006GOI144763  
Web: www.cnpnashik.spmcil.com E-mail: gmcnp@spmcil.com  
GSTIN : 27AAJCS6111J3Z6

PR Number	PR Date	Indenter	Department
12004538	03.11.2022	BRC	ELE

Not Transferable

Security Classification:

## **TENDER DOCUMENT FOR PURCHASE OF: ELECTRICAL SITE PREPARATON WORK FOR 03 NEW MACHINES**

**Tender Number: 6000017961**

This Tender Document Contains \_\_\_\_\_ Pages.

Details of Contact person in SPMCIL regarding this tender:

**Name:** V KIRAN KUMAR  
**Designation:** Jt. General Manager (M)  
**Address:** CNPN (Currency Note Press, Nashik)  
India

## Section1: Notice Inviting Tender (NIT)

6000017961 /

(SPMCIL's Tender SI No.)

(Date)

1. Sealed tenders are invited from eligible and qualified tenderers for supply of following goods & services:

Sch d. No.	Brief Description of Goods/services	Quantity (with unit)	Earnest Money (In Rupee)	Remarks
1	Supply of Power Distribution Panel	1.000 EA	233000.00 INR RUPPES TWO LAKHAS THIRTY THREE THOUSAND ONLY	
2	Installattion Power distribution Panel	1.000 AU		
3	Supply of 400 sq mm x 3½core XLPE	400.000 M		
4	Laying of 400sqmm 3.5 core XLPE Cable	1.000 AU		
5	Supply of 1.1kv 120sqmm 4core copper cable	300.000 M		
6	Instal 1.1 kv 120sqmm 4core copper Cable	1.000 AU		
7	Supply of 1.1 kv 35sqmm 4 core Cu cable	450.000 M		
8	Install. of 1.1kv 35sqmm 4core Cu cable	1.000 AU		
9	Supply of 32A TPN MCCB	10.000 nos		

Sch d. No.	Brief Description of Goods/services	Quantity (with unit)	Earnest Money (In Rupee)	Remarks
10	Install. of 32A TPN MCCB	1.000 AU		
11	Supply of 5/16A 240v 1Ph.3 pin socket	10.000 nos		
12	Install. of 5/16A 240v 1Ph. 3 pin Socket	1.000 AU		
13	Supply of 16sqmm 4 core Cu. Arm. cable	300.000 M		
14	Laying of 16sqmm 4 core Cu. Arm. Cable	1.000 AU		
15	Supply pf 2.5sqmm 3 core Cu. Arm. cable	200.000 M		
16	Laying of 2.5sqmm 3 core Cu. Arm. cable	1.000 AU		
17	Supply of 1.1kv 50sqmm 1core cable	50.000 M		
18	Laying of 1.1kv 50sqmm 1core Cu. Cable	1.000 AU		

Sch d. No.	Brief Description of Goods/services	Quantity (with unit)	Earnest Money (In Rupee)	Remarks
19	Supply of 1.1kv 16sqmm 1core Cu. Cable	50.000 M		
20	Laying of 1.1kv 16sqmm 1core Cu. Cable	1.000 AU		
21	Supply & Instal. of Bare Earthing Wire	100.000 mtr		
22	Supply of Earthing System	4.000 nos		
23	Installation of Earthing System	1.000 AU		
24	Supply of Cu. Earthing strip 25mm X3mm	500.000 M		
25	Laying of Cu. Earthing Strip 25mmX3mm	1.000 AU		
26	Supply of GI Earthing ConductorZinc coat	350.000 M		
27	Laying of GI Earth Conductor Zinc Coat	1.000 AU		



Sch d. No.	Brief Description of Goods/services	Quantity (with unit)	Earnest Money (In Rupee)	Remarks
28	Supply of Bus Coupler Panel	1.000 nos		
29	Install. of Bus Coupler Panel	1.000 AU		
30	Supply of 400sqmm 3.5core XLPE AI Cable	100.000 M		
31	Laying of 400sqmm 3.5core XLPE AI cable	1.000 AU		
32	Supply of Ele. Insulation Mat 10MX1MX3mm	30.000 M		

Type of Tender (Two Bid/ PQB/ EOI/ RC/ Development/ Indigenization/ Disposal of Scrap/ Security Item etc.)	TWO-BID National Competetive Bid
Dates of sale of tender documents:	AS PER MSTC PORTAL
Place of sale of tender documents	AS PER MSTC PROTAL
Closing date and time for receipt of tenders	AS PER MSTC PORTAL
Place of receipt of tenders	BIDDER HAS TO UPLOAD SOFT COPY OF ALL THE DOCUMENTS ON MSTC E-PROCUREMENT PORTAL AND HARD COPY OF ALL THE DOCUMENTS TO BE SUBMITTED AT PURCHASE DEPARTMENT, CNP , NASHIK ROAD-422101
Time and date of opening of tenders	AS PER MSTC PORTAL
Place of opening of tenders	AS PER MSTC PORTAL
Nominated Person/ Designation to Receive Bulky Tenders (Clause 21.21.1 of GIT)	V KIRAN KUMAR Jt. General Manager (M)

2. Eligibility to participate as per Government of India's Public Procurement (Preference to Make in India) Order 2017 (as amended/ revised) and Ministry of Finance, Department of Expenditure, Public Procurement Division's Orders (Public Procurement 1, 2 and 3) F.No.6/18/2019-PPD dated 23rd/ 24th July 2020 (or any further amendments thereof) regarding eligibility of bidders from neighboring countries shall apply to this tender.

3. Please note that SPMCIL reserves its right to grant Purchase preferences in accordance with Government of India's Public Procurement (Preference to Make in India) Order 2017 (as amended/ revised) and Public Procurement Policy for Micro and Small Enterprises (MSEs) Amendment Order, 2018 (as amended/ revised).

4. In case NIT/ SIT provide for uploading of bids to nominated E-Procurement portal, bidders must upload their bids along with scanned copies as required enclosures (including proofs of cost of Tender Documents and EMD as applicable - unless an online payment gateway is provided in the instruction) as per instructions given in this regard.



Original copies of such scanned uploaded required enclosures must reach in physical form within the date and place as provided in such instructions, otherwise their uploaded bid, would be declared as unresponsive.

5. The tender documents are not transferable.

6. The bidder, their affiliates, or subsidiaries # including subcontractors or suppliers for any part of the contract # should not stand declared ineligible/ blacklisted/banned/ debarred by any Government Agency anywhere in the world, for participating in its tenders, under that country's laws or official regulations. A declaration to this effect shall be submitted by the bidder in the Tender Form (Section X).

7. SUBMISSION OF TENDER: As per E-Procurement Portal. Bidders must upload their bids along with scanned copies as required enclosures (including proofs of cost of Tender Documents and EMD as applicable - unless an online payment gateway is provided in the instruction) as per instructions given in this regard. Original copies of such scanned uploaded required enclosures must reach in physical form within the date and place as provided in such instructions, otherwise their uploaded bid, would be declared as unresponsive.

8. In case of order material in your favour for Rs. 2,50,000/- or above, the supplier shall furnish the performance security amount/ Security Deposit(S.D) (03% of the ordered value) after issue of Purchase order by CNP, Nashik Road in favour of SPMCIL, Unit CNP, payable at Nashik. The performance security will be return back without any interest to successful bidder after the completion of all contractual obligations.

9. The bidders participating with MSME registration certificate has to submit Bid Security Declaration as per Annexure-1. Non submission of same will be treated as non responsive.

10. No exemption will be given for deposition of performance guarantee to any DIC/SSI/MSE/NSIC registered firm.

11. Any dispute in the matter will be under Nashik (Maharashtra) Jurisdiction only.

12. Right of acceptance: - The Chief General Manager, Currency Note Press reserves the right to reject any or all tenders without assigning any reason thereof.

13. Clarification of Tender Documents: A Bidder requiring any clarification or elucidation on any issue of the tender documents may take up the same with SPMCIL in writing or by fax / e-mail/ telex not later than twenty one days (unless otherwise specified in the SIT) prior to the prescribed date of submission of tender.

14. Any queries regarding the tender you may please contact at 0253-2454493 or 2461318. E-mail-purchase.cnpnashik@spmCIL.com.

.....

.....  
(Name Designation, Adress telephone number etc  
of the officer signing the document)

For and on behalf of

.....



Tender Number:6000017961

## **Section II: General Instructions to Tenderers (GIT)**

### **Part 1: General Instructions Applicable to all type of Tenderers**

Please CLICK the link for further details  
<https://spmCIL.com/uploaddocument/GIT/new.pdf>

Bidders are requested to download 61 pages by clicking the above given link and submit the same duly stamped and signed along with tender document. Unsigned/stamped printouts of these pages are not acceptable.

### Section III: Specific Instructions to Tenderers (SIT)

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

(Clauses of GIT listed below include a possibility for variation in their provisions through SIT. There could be other clauses in SIT as deemed fit.)

Sr No	GIT Clause No.	Topic	SIT Provision
01	3.	ELIGIBLE TENDERERS	Applicable
02	3.4	ELIGIBLE GOODS AND SERVICES (ORIGIN OF GOODS)	Not Applicable
03	6.1	THE TENDER DOCUMENTS INCLUDES:	Applicable
04	8	PREBID CONFERENCE	Applicable. The date & time of pre-bid conference is 10:30 am on 28.02.2023. The queries of the bidders should be reach at least two days in advance. Site visit can be done prior to pre-bid conference only.
05	9	TIME LIMIT FOR RECEIVING REQUEST FOR CLARIFICATION OF TENDER DOCUMENTS	Applicable, No further queries and site visit will be entertained after pre-bid conference.
06	10.1	THE TECHNICAL BID TO BE SUBMITTED BY TENDERER SHALL CONTAIN THE FOLLOW	No Change
07	11.2	TENDER CURRENCY	Supplier is requested to quote price within 2 Decimal place. Quotation with price quote beyond 2 decimal place is ignored.
08	12.1	TENDER PRICES	Applicable
09	12.2, 33, 36.1	SCHEDULE WISE EVALUATION	Not Applicable
10	12.6	GST DETAILS	No Change
11	14	PVC CLAUSE & FORMULA	Not Applicable
12	14.4 TO 14.7	EXCHANGE RATE VARIATION (ERV)	Not Applicable
13	16.2 A) TO C)	DOCUMENTS ESTABLISHING TENDERER#S ELIGIBILITY AND QUALIFICATIONS	Applicable
14	18.4, 18.5	EARNEST MONEY DEPOSIT (EMD)	Applicable;(Bidder has to submit Bid Security Declaration) Appl
15	19	TENDER VALIDITY	120 Days from the date of opening of tender
16	20.4	NUMBER OF COPIES OF TENDERS TO BE SUBMITTED	Single Copy
17	20.8	TWO BID SYSTEM	Applicable
18	20.9	E-PROCUREMENT	Applicable. Submission of Documents as per NIT Clause No. 07

Sr No	GIT Clause No.	Topic	SIT Provision
19	34. AND 35.1	COMPARISON ON CIF DESTINATION BASIS	Not Applicable
20	35.2 TO 35.6	ADDITIONAL FACTORS FOR EVALUATION OF OFFERS AND PREFERENTIAL SCHEMES	FOR CNP Nashik Road Basis
21	43	PARALLEL CONTRACTS	Not Applicable
22	44.1	SERIOUS MISDEMEANOURS	No Change
23	44.3	INTEGRITY PACT	Not Applicable
24	45.1	NOTIFICATION OF AWARD	No Change
25	50.	APPLICABILITY OF ADDITIONAL GIT FOR RATE CONTRACTS	Not Applicable
26	51.	APPLICABILITY OF ADDITIONAL GIT FOR PQB TENDERS	Not Applicable
27	52.	APPLICABILITY OF ADDITIONAL GIT FOR TENDERS INVOLVING SAMPLES	Not Applicable
28	53.	APPLICABILITY OF ADDITIONAL GIT FOR EOI TENDERS	Not Applicable
29	54.	APPLICABILITY OF ADDITIONAL GIT FOR TENDERS FOR DISPOSAL OF SCRAP	Not Applicable
30	55.	APPLICABILITY OF ADDITIONAL GIT FOR DEVELOPMENT/ INDIGENIZATION TENDER	Not Applicable



Tender Number:6000017961

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## **Section IV: General Conditions of Contract (GCC)**

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Please CLICK the link for further details  
<https://sPMCil.com/uploaddocument/GCC/new.pdf>

Bidders are requested to download 36 pages by clicking the above given link and submit the same duly stamped and signed along with tender document. Unsigned/stamped printouts of these pages are not acceptable.

## Section V: Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below. These Special Conditions will modify/ substitute/ supplement the corresponding (GCC) clauses.

Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

(Clauses of GCC listed below include a possibility for variation in their provisions through SCC. There could be other clauses in SCC as deemed fit)

Sl.No	GCC Clause No.	Topic	SCC Provision
01	1.2	ABBREVIATIONS:	No Change
02	6.1, 6.3 & 6.5	PERFORMANCE BOND/ SECURITY	03 % of the total contract price valid for 60 days beyond completion of contractual obligations including warranty period: if any.
03	8.2	PACKING AND MARKING	Not Applicable
04	9	INSPECTION AND QUALITY CONTROL	Not Applicable
05	11.2	TRANSPORTATION OF DOMESTIC GOODS	No Change
06	12.	INSURANCE	No Change
07	14.1	INCIDENTAL SERVICES	Not Applicable
08	15	DISTRIBUTION OF DESPATCH DOCUMENTS FOR CLEARANCE/ RECEIPT OF GOODS	Not Applicable
09	16.2, 16.4	WARRANTEE CLAUSE	Applicable: 12 months from the date of acceptance and completion of work.
10	19.3	OPTION CLAUSE	The buyer reserves the right to increase/decrease the supply order quantity by 25% at the same terms and conditions during the Currency of the contract and supplier is bound to accept it.
11	20.1	PRICE ADJUSTMENT CLAUSE	Not Applicable
12	21.	TAXES AND DUTIES	1) If the tenderer fails to include taxes and duties in the tender, no claim thereof will be considered by purchaser afterwards. 2) TDS will be deducted as per prevailing rates.
13	22.	TERMS AND MODE OF PAYMENTS	100% Payment will be made within 30 days after receipt of suitability and Completion of work. The payment will be made through NEFT/RTGS mode only
14	24.1	QUANTUM OF LD	Applicable (The Applicable GST if LD is levied will be collected from the firm's invoice).
15	25.1	BANK GUARANTEE AND INSURANCE FOR MATERIAL LOANED TO CONTRACTOR	Not Applicable
16	33.1	RESOLUTION OF DISPUTES	No Change
17	36.3.2,36.3.9	DISPOSAL/ SALE OF SCRAP BY TENDER	Not Applicable

## Section VI: List of Requirements

Schedule No.	Breif Description of goods and services (Related Specifications etc. are in Section-VII)	Accounting Unit	Quantity	Amount of Earnest Money	Remark
1	Supply of Power Distribution Panel	EA	1.000	233000 INR RUPPES TWO LAKHAS THIRTY THREE THOUSAND ONLY	
2	Installattion Power distribution Panel	AU	1.000		
3	Supply of 400 sq mm x 3½core XLPE	M	400.000		
4	Laying of 400sqmm 3.5 core XLPE Cable	AU	1.000		
5	Supply of 1.1kv 120sqmm 4 core copper cable	M	300.000		
6	Instal 1.1 kv 120sqmm 4 core copper Cable	AU	1.000		
7	Supply of 1.1 kv 35sqmm 4 core Cu cable	M	450.000		
8	Install. of 1.1kv 35sqmm 4 core Cu cable	AU	1.000		
9	Supply of 32A TPN MCCB	nos	10.000		
10	Install. of 32A TPN MCCB	AU	1.000		
11	Supply of 5/16A 240v 1Ph.3 pin socket	nos	10.000		
12	Install. of 5/16A 240v 1Ph. 3 pin Socket	AU	1.000		
13	Supply of 16sqmm 4 core Cu. Arm. cable	M	300.000		
14	Laying of 16sqmm 4 core Cu. Arm. Cable	AU	1.000		
15	Supply pf 2.5sqmm 3 core Cu. Arm. cable	M	200.000		
16	Laying of 2.5sqmm 3 core Cu. Arm. cable	AU	1.000		
17	Supply of 1.1kv 50sqmm 1 core cable	M	50.000		
18	Laying of 1.1kv 50sqmm 1 core Cu. Cable	AU	1.000		



Schedule No.	Breif Description of goods and services (Related Specifications etc.are in Section-VII)	Accounting Unit	Quantity	Amount of Earnest Money	Remark
19	Supply of 1.1kv 16sqmm 1core Cu. Cable	M	50.000		
20	Laying of 1.1kv 16sqmm 1core Cu. Cable	AU	1.000		
21	Supply & Instal. of Bare Earthing Wire	mtr	100.000		
22	Supply of Earthing System	nos	4.000		
23	Installation of Earthing System	AU	1.000		
24	Supply of Cu. Earthing strip 25mm X3mm	M	500.000		
25	Laying of Cu. Earthing Strip 25mmX3mm	AU	1.000		
26	Supply of GI Earthing ConductorZinc coat	M	350.000		
27	Laying of GI Earth Conductor Zinc Coat	AU	1.000		
28	Supply of Bus Coupler Panel	nos	1.000		
29	Install. of Bus Coupler Panel	AU	1.000		
30	Supply of 400sqmm 3.5core XLPE AI Cable	M	100.000		
31	Laying of 400sqmm 3.5core XLPE AI cable	AU	1.000		
32	Supply of Ele. Insulation Mat 10MX1MX3mm	M	30.000		

1. Required Delivery Schedule: The successful bidder has to work to be completed within 60 days from the date of issue of Purchase Order.

2. Required Terms of Delivery: - FOR Currency Note Press, Nashik Road including stacking and unloading properly at site by the firm as shown by our representative.

3. Destination: - CURRENCY NOTE PRESS, JAIL ROAD, NASHIK ROAD 422 101

4. Preferred Mode of Transportation: - BY ROAD.

5. Bid Validity: 120 days from due date of tender.

6. Bidder have to open the link provided in Section II, IV & XII onwards and take print out of all the documents available and then sign and stamp each and every paper and submit along with the technical tender.

7. All the copies of tenders shall be complete in all respects with all their attachments/enclosures duly numbered.

8. RISK PURCHASE:

(a) If the supplier after submission of tender and due acceptance of the same, i.e. after placement of contract fails to abide by the terms & conditions of these tender documents, or fails to supply the deliverables as per delivery schedule given or at any time repudiates the contract, the purchaser shall have the right to Invoke the Security-cum-Performance Guarantee if deposited by the supplier and procure stores/take services from other agencies at the risk & consequence of the supplier. The cost difference between the alternative arrangement and supplier tendered value will be recovered from the supplier along with other incidental charges.

(b) In case of supply/job work through alternative sources at lower price, if any, then no benefit on this account will



Tender Number:6000017961

be passed on to the supplier.

(c) For all the purpose the award of contract will be considered acceptance of tender and formal contract pending signing of agreement. Supplier has to abide by all the terms and conditions of tender.

9. Warranty : The firm shall be Warranty for minimum one year for the acceptance and completion of all job work.

10. Bank Details: Copy of Cancelled Cheque or the Bank details on the letter head signed by Authorized signatory to be submitted.



SECURITY PRINTING AND MINTING  
CORPORATION OF INDIA LIMITED

TENDER NO: 6000017961

## **SECTION VII: TECHNICAL SPECIFICATIONS**

### **ITEM :1**

#### **Supply of power distribution Panel complete with Main Incomer , Bus coupler , Outgoing switches, Busbar chambers , Indications , Metering and control wiring.**

Specs of panel: The Panel shall be of totally enclosed floor mounting free standing fully compartmentalized front operated, dust & vermin proof construction. It shall be a compact unit with all smooth joints close fitting unobtrusive and conforming to IP 42 protection. The Power distribution panel shall be of folded CRCA sheet construction assembled on Channel / Angle Iron base-frame. The Panel shall be fabricated in 16 SWG CRCA sheet. The panel shall have sufficient reinforced structure to sustain operational vibration, provide rigidity during shipment and installation. The panel shall be powder coated of seven tank process with shade RAL 7032 after execution of surface treatment such as degreasing, acid pickling etc. The panel shall have provision for cable entry from bottom as well as top side. The panel shall have lifting hooks at each corner for shifting and handling. The Incoming and Outgoing Bus-bar shall be of electrolytic grade Copper of capacity min 1.8 A /sq. mm with tinned copper interconnections and duly insulated with heat shrinkable sleeve with phase identification marking. All terminals shall be shrouded in approved manner to maintain the phase to phase insulating distance. The bus bars shall be of suitable rating of 1000 Amps. All CTs/PTs used for metering shall be resin cast and of standard brand.

All Control wiring shall be of 1.5 sq.mm. for potential & 2.5 sq.mm. for current with flexible multi strand copper wire having terminal ferrules for identification. All access doors shall be provided with rubber/neoprene gasket and latches that are sufficiently strong to hold them in alignment when closed. All operating handles shall be having door interlock latching arrangement. Panel Name plate shall be provided on the front side with manufacturer's name, address, contact information, CNP's P.O. number etc. and the type of panel viz. PDB FOR SUSI IV(New offset machine) SECTION. Name plates shall be provided on the front side and back side of the panel at outgoing terminals for easy identification. All vertical cubicle-sections of the panels shall be marked with column numbers for identifying the respective column from both front and back sides of the panel. The name/number plates shall be made up of black anodized aluminium plate with sufficient readable text size. All switches shall be mounted at easily accessible height and highest operating handle shall not be more than 1.75 meter high from the floor. Danger



**TENDER NO: 6000017961**

sign board of proper size shall be provided on the front & back sides of the panel conforming to IEA Rules. Arrangement for double earthing terminals shall be provided on the frame at two separate points. Cable entry hole shall be provided for incoming as well as outgoing cables with knock out type gland plates.

**Technical details :** The panel shall be of totally enclosed floor mounting and free standing. The busbars shall be of suitable rating of 1000 amps. The configuration of panel shall be

- a. Incomer – 02 nos
- b. Buscoupler – 01 nos
- c. Outgoing feeder – 06+06+10+06 (nos)

**Incoming Feeder :** Air Circuit Breaker 1000A / 440V AC , 4 Pole , 50 KA microprocessor based Air circuit breaker with earth fault trip and Under voltage trip, Electrically operated Draw out type.

Details of Air Circuit Breaker:

Rating : 1000A Type : Electrically Operated Draw out Type(EDO) Current Limiting or Equivalent

Number of Pole : 4 with Neutral Current Carrying capacity 100% of Rated Current;

Breaking Capacity : 50KA;

Termination Arrangement : Specious , $U_e$  : 415 V AC 50/60 Hz, or better, Working voltage-415/440V AC, 50/60 Hz,  $I_{cu}$  at 220—440V AC : 50 KA , $I_{cs}$  at 220—440V AC : 50KA,  $I_{cw}$  : for 0.5 s - 50KA or better.

Power consumption: 147.5 Watt or less,

Trip Unit : Without external Power supply, Sensitive to RMS value of Current, inter-changeability with other type of trip unit without any modification, Configurable setting for neutral : as per design. With Shunt Open Release & Shunt Closing Release 220-240 VAC with front accessible control terminal, Shunt Open , Shunt Close release, & Motor Mechanism. Protection against: Earth, Overload and short circuit protection. Checking of Trip Status : Continuous Check of CT

Monitoring: Continuous, Metering : Digital Multi function Meter for Incomer 1 & 2 each ,Indication : RYB for Incomer 1 & 2 and ACB ON-Off-TRIP ,ACB selector switch:- Auto – Manual selector ,Standard : As per Latest IS or IEC ,

Quantity : 01 AU (02 ACB for Incomer + 01 Bus coupler ACB)

**[i] Outgoing Feeder :**

1. Moulded case circuit breaker (MCCB )(with Rotary Handle)

Rating : 400 Amp, Number of Pole : Three pole ; With Rotary Operating Handle Mechanism & Necessary Indication.  $U_e$  : 415 V AC, 50/60 Hz,



**TENDER NO: 6000017961**

Working voltage- 415/440volts AC 50/60 Hz Icu At 380-415V AC : 36 KA  
Standard : As per latest IS or IEC standard . Indication/metering :  
Necessary Indication and digital Ammeter. Quantity : 06 Nos.

2. Moulded case circuit breaker Rating : 250 Amp, Number of Pole :  
Three pole, With Rotary Operating Handle Mechanism. Ue : 415 V AC,  
50/60 Hz, Working voltage- 415/440volts AC 50/60 Hz Icu At 380-415V  
AC : 36KA Standard : As per Latest IS or IEC Indication/metering :  
Necessary Indication and digital Ammeter.  
Quantity : 06 Nos.

3. Moulded case circuit breaker Rating : 100 Amp, Number of Pole :  
Three pole, With Rotary Operating Handle Mechanism Ue : 415 V AC,  
50/60 Hz, Working voltage- 415/440volts AC 50/60 Hz Icu At 380-415V  
AC : 36 KA Standard: As per Latest IS or IEC Indication/metering :  
Necessary Indication and digital Ammeter  
Quantity: 10 Nos.

4. Moulded case circuit breaker Rating : 63 Amp, Number of Pole : Three  
pole, With Rotary Operating Handle Mechanism Ue : 415 V AC, 50/60  
Hz, Working voltage- 415/440volts AC 50/60 Hz Icu At 380-415V AC :  
36 KA Standard: As per Latest IS or IEC Indication/metering : Necessary  
Indication & ammeter  
Quantity : 06 Nos.

Preferred Make :

A) ACB & MCCBs : SIEMENS / ABB / L&T or Equivalent

B) Indicators : SIEMENS / ABB / L&T/ TEKNIK or equivalent

C) Meters : RUSHABH / NIPPEN / SELECTRON / L&T or equivalent

Indication and Measuring Instruments: The panel should be provided  
with

a) Three phase Indication for Incoming supply Indication.

b) ACB ON , ACB TRIP , ACB OFF Indication.

c) Digital Multifunction meter for both incomers, Meter size 96 X96 mm .

**ITEM 2.**

**Installation Power Distribution Panel**

1. The firm shall install and commission the supplied Power Distribution  
Panel with bus coupler on the base frame provided along with panel.

2. The panel shall be fixed with grouting and removable 'L' plates at  
the location specified by CNP's authority.



**TENDER NO: 6000017961**

3. The firm should terminate all incoming and outgoing cables with proper size of Lugs and Cable glands. The Lugs and cable glands should be of reputed make like Dowells , Jainsons, Crimpwell or Equivalent
4. The firm should terminate the earthing at two points on the Panel.
5. It shall be the firm's responsibility to provide supervisor / engineer during the installation and commissioning of the Power Distribution Panel.
6. CNP shall provide free electricity. All other tools and tackles required for Installation and Commissioning should be brought by the firm.
7. The firm should supply all required accessories for installation of power distribution panel.
8. The Firm shall furnish test report for Panel for HV test.
9. The firm shall carry out the megger test for whole installation before charging and submit the report.
10. The firm shall charge the cable after permission of CNP's authority in the presence of CNP's engineer.

**Qty :01 AU**

### **ITEM 3.**

**Supply of 400 sq mm x 3½core XLPE insulated Aluminium multi strand conductor Armoured Power cable ( Double Run cable for feeding electrical power from Electrical Sub-station-I to the Incomer-I and Incomer-II) for Proposed Power Distribution Panel in proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I )**

Technical Specification of 400 Sq mm x 3½core Aluminium Power Cable :  
XLPE Insulated, inner sheathed, Armoured Power Cable Conductor :  
Aluminium multi-strand Voltage Grade : 1.1 KV Size : 400 Sqmm , Core :  
3½ Confirming to : As per Latest IS or IEC Nominal System Voltage :415/ 440 V +/- 10% Nominal System Frequency : 50 Hz +/-3%  
Conductor type : Stranded Insulating Material : XLPE Core Identification Strips : Red , Yellow, Blue & Black/Green  
Make : POLYCAB / LAPP /CCI /HAVELLS / Equivalent  
**Quantity : 400 mtr.**

### **ITEM 4.**

**Laying & Installation of 400 sq mm x 3½core XLPE insulated Aluminium conductor Armoured Power cable (Double Run for Incomer-I and Incomer-II from Electrical Sub-station-I to the Proposed Power Distribution Panel in proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I )**



**TENDER NO: 6000017961**

1. The firm shall carryout the laying & installation work of above supplied power cable in double run from Electrical Sub-station-I to Incomer-I and Incomer-II of the Proposed Power Distribution Panel in proposed "Dry offset Machine section (SUSI-IV Section , CNP-I )
2. The firm shall supply all required Cable Gland, Lugs, Clamp , etc. whichever is required for termination & installation work of the cable at Proposed Power Feeder Panel of Electrical Sub-station-I and Proposed Power Distribution Panel in proposed "Dry offset Machine" section (SUSI-IV , CNP-I )
3. The firm shall fix and route the cable through the route specified by CNP's Authority. The cable shall be fixed with clamp wherever required to hold the cable at its position. All clamps should be of heavy duty, MS material & duly coloured with oil based black colour.
4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr. distance to trace the cable.
5. The Aluminium / copper lugs should be used for connection to Aluminium cable/ copper bus-bar and cable.
6. The accessories like Lugs, cable glands etc. should be of reputed make like Dowells, Jainson or Equivalent.

**Qty :01AU(400mtr)**

#### **ITEM 5.**

**Supply of 120 sq mm x 4 core PVC Insulated multi strand(Hair thin strand) conductor Unarmoured copper cable for feeding electrical power from Proposed Power Distribution Panel in Dry Offset section (SUSI-IV, CNP-I) to the Proposed "Dry offset Machines"**

Technical Specification of 120 Sq mm x 4 core copper flexible Cable :  
PVC Insulated, inner sheathed, Unarmoured flexible Cable

Conductor: Copper multi-strand ( Hair like thin strand), Flexible Voltage Grade : 1.1 KV Size : 120 Sqmm , Core : 4 Confirming to : As per Latest IS or IEC standard Nominal System Voltage :415/ 440 V +/- 10%  
Nominal System Frequency : 50 Hz +/-3%

Conductor type : Multi strand Flexible (Hair like thin strand)copper conductor Insulating Material : PVC Core Identification Strips : Red , Yellow, Blue & Black or Green Make : POLYCAB / LAPP / CCI / HAVELLS / Equivalent.

**Qty: 300mtr**

#### **ITEM 6.**

**Laying & Installation of 120 Sq. mm. x 4 core Copper Unarmoured PVC**



**TENDER NO: 6000017961**

**Insulated, Multistrand Power Cable from New Power Distribution panel to proposed Dry offset machines.**

1. The firm shall carryout the laying & installation work of above supplied power cable from New PDB panel 400 Amp, MCCB mains (Qty. 03 Nos.) to incomer of proposed 03 Dry offset machine ( in SUSI-IV section ) CNP-I for machine power supply.
2. The firm shall supply all required Cable Glands, Lugs, Clamps, metallic ladders whichever is required for termination & installation work of the cable at Power Distribution Panel and Main Switches of proposed Dry offset machine main.
3. The firm shall fix and route the cable through the route specified by CNP's Authority.
4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr distance to trace the cable.
5. The copper lugs should be used for connection to copper cable/ copper busbar.
6. The accessories like Lugs, cable gland etc. should be of reputed make likeDowells, Jainson or Equivalent.
7. The firm shall carry out the megger test for whole installation before charging and submit the report.
8. The firm shall charge the cable after permission of CNP's authority in the presence of CNP's engineer.

**Qty : 01AU(300mtr)**

**ITEM 7.**

**Supply of 35 sq mm x 4 core copper Multistrand PVC insulated inner sheathed Un-Armoured Flexible Power cable for Auxilary machines of proposed Dry offset Machines.**

Technical Specification of 35 Sq mm x 4 Core Copper Flexible Power Cable :

PVC Insulated, inner sheathed, flexible Power Cable,

Conductor : Copper multi-strand(Hair-like thin strands), Flexible

Voltage Grade : 1.1 KV ,Size : 35 Sqmm , Core : 4

Confirming to As per Latest IS or IEC

Nominal System Voltage : 415/440 V +/- 10% ,Nominal System

Frequency : 50 Hz +/-3%

Insulating Material : PVC ,Core Identification Strips : Red , Yellow , Blue, & Black or Green (for Neutral)

Make: POLYCAB / LAPP /CCI /HAVELLS / Equivalent only

**Qty : 450mtr**





TENDER NO: 6000017961

**ITEM 8.**

**Laying & Installation of 35 Sq.mm x 4 Core Copper PVC insulated Unarmoured Flexible Power cable from Power Distribution panel of "Dry offset machine" section (SUSI-IV, CNP-I) to 03 nos. of proposed air compressor units ,TRU's and Chiller panels.**

1. The firm shall carryout the laying & installation work of above supplied power cable from Power Distribution panel of "Dry offset Machine" section (SUSI-IV Section, CNP-I ) to proposed 03 nos. of Air Compressor ,TRU's and Chiller Unit panels.
2. The firm shall supply all required Cable Glands, Lugs, Clamps , etc. whichever is required for laying, termination & installation work of the power cable at Power Distribution Panel and Main control panel of Air Compressors.
3. The firm shall fix and route the cable through the route specified by CNP's Authority. The cable shall be fixed with to hold the cable at its position. All clamps should be of heavy duty, MS material & duly coloured with black colour.
4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr. distance to trace the cable.

**Qty : 01AU(450mtr)**

**ITEM 9.**

**Supply of 32 A TPN MCCB Main switches enclosed in enclosure TPN 32 A MCCB main switch enclosed in Sheet steel enclosure, duly powder coated fabricated out of 18 SWG CRCA sheet complete with Rotary Handle Operating mechanism and Wall Mounting Brackets**

Detailed Specification :

Moulded case circuit breaker (MCCB)

Rating : 32 Amp, Number of Poles : Three pole,

Ue : 415 V AC, 50/60 Hz, Working voltage- 415/440volts AC, 50/60 Hz

Icu At 380-440V AC : 15 KA , Indication : RYB phase indication on panel

Standard : As per Latest IS or IEC



**TENDER NO: 6000017961**

Make : ABB / SIEMENS / L & T or Equivalent

The enclosure shall be of folded CRCA sheet construction . The enclosure shall be fabricated in 18 SWG CRCA sheet. The enclosure shall have sufficient reinforced structure to sustain operational vibration, provide rigidity during shipment and installation. The enclosure shall be powder coated with shade RAL 7032 / IS 631 after execution of surface treatment such as degreasing, acid pickling. The size of enclosure shall be such that the termination of cable shall be easy. The enclosure shall have provision for cable entry from bottom as well as top side. The Main MCCB shall be provided with staggered copper termination to properly terminate the cable with phase barriers of suitable material.

**Qty: 10nos**

#### **ITEM 10.**

#### **Installation & Commissioning of 32 A TPN MCCB Enclosed Power distribution Switches at proposed "Dry offset Machine" section (SUSI-IV, CNP-I ) at 10 different Locations**

- a) The firm shall install & commission the supplied three phase power distribution Switches (32A MCCB) with Sheet steel enclosure on the wall of the proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I ) at 10 different locations specified by CNP's Authority.
- b) The firm shall supply mounting bracket made up with heavy duty MS angle of suitable Size, duly coloured with black oil based colour after providing protective red oxide coating.
- c) The firm shall mount the main switches on the mounting bracket by fixing on the wall.
- d) The firm shall terminate incoming cable to the main switch by providing all required accessories like Lugs, gland etc, of reputed make.
- e) The Firm should provide Danger sign board on each Switch enclosure.

**Qty : 1AU (10Nos)**



TENDER NO: 6000017961

**ITEM 11.**

**Supply of 5/16 Amp 230 V AC single phase three pin power socket and 16Amp SP MCB main enclosed in metallic enclosure & wall mounting bracket The enclosure shall be of folded CRCA sheet construction.**

The enclosure shall be fabricated in 18 SWG CRCA sheet. The enclosure shall have sufficient reinforced structure to sustain operational vibration, provide rigidity during shipment and installation. The enclosure shall be powder coated with shade RAL 7032 / IS 631 after execution of surface treatment such as degreasing, acid pickling. The size of enclosure shall be such that the termination of cable shall be easy. The enclosure shall have provision for cable entry from bottom as well as top side. The Main MCB shall be provided with copper termination to properly terminate the cable.

Make : ANCHOR/ROMA/ HAVELLS / L&T / ABB or equivalent

**Qty : 10nos**

**ITEM 12.**

**Installation & Commissioning of 5/16 Amp 240 V AC single phase three pin power socket and 16 Amp SP MCB enclosed in metallic enclosure & wall mounting bracket at proposed " Dry offset Machine " section (SUSI-IV, CNP-I ) at 10 different Locations**

1. The firm shall install & commission the supplied single phase 3 Pin 5/16 A socket & MCB with Sheet steel enclosure on the wall of the proposed "Dry offset Machine" section (SUSI-IV , CNP-I )at 10 different locations specified by CNP's Authority.

2. The firm shall supply mounting bracket made up of heavy duty MS angle of suitable Size, duly coloured with black oil based colour after providing protective red oxide coating.

3. The firm shall mount the 5/16 Amp 240 V AC single phase three pin socket and 16 Amp SP MCB enclosure on the mounting bracket by fixing on the wall.

4. The firm shall terminate incoming cable to the 5/16 Amp 240 V AC single phase three pin socket and 16 Amp SP MCB enclosure by



**TENDER NO: 6000017961**

providing all required accessories like Lugs, gland etc, of reputed make.

5. The firm shall carry out the megger test for the installation before charging and submit report.

6. The firm shall charge the cable after permission of CNP's authority in the presence of CNP's engineer.

7. The firm shall carry out the voltage test for P-N, N-E, P-E voltages and submit report.

**Qty : 1AU(10nos)**

### **ITEM 13.**

#### **Supply of 16 sq mm x 4 core Copper multi-strand conductor, PVC insulated Armoured Power cable for 32A TPN MCCB Main Switch**

Technical Specification of 16 Sq mm x 4 Core Copper multi-strand conductor, Armoured Power Cable :

PVC Insulated, inner sheathed, Armoured multi-strand Power Cable

Conductor : Copper multi-strand

Voltage Grade : 1.1 KV ,Size : 16 Sqmm , Core : 4

Confirming to : As per Latest IS or IEC

Nominal System Voltage : 415/440 V +/- 10% ,Nominal System

Frequency : 50 Hz +/-3%

Conductor type : Multi-strand

Insulating Material : PVC

Core Identification Strips : Red , Yellow , Blue, & Black or Green (for Neutral)

Make : POLYCAB / LAPP /CCI /HAVELLS or Equivalent

**Quantity : 300 mtr.**

### **ITEM 14.**

**Laying & Installation of 16 Sq.mm x 4 Core Copper multi-strand conductor, PVC insulated Armoured power cable from Power Distribution panel to proposed three phase outlet switches (TPN ) provided at 10 different locations in the proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I)**



**TENDER NO: 6000017961**

1. The firm shall carryout the laying & installation work of above supplied power cable from 63 Amp, MCCB mains ( Qty. 01 No. of Power DB) to three phase outlet switches provided at 10 different locations on North-South and East-West Gangway wall in the proposed "Dry offset Machine" section (SUSI-IV Section ,CNP-I ) for auxiliary power supply.
2. The firm shall supply all required Cable Glands, Lugs, Clamps , etc. whichever is required for termination & installation work of the cable at Power Distribution Panel and Main Switches of TPN (SUSI-IV Section , CNP-I ).
3. The firm shall fix and route the cable through the route specified by CNP's Authority.
4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr. distance to trace the cable.
5. The copper lugs should be used for connection to copper cable/ copper busbar.
6. The accessories like Lugs, cable glands etc should be of reputed make like Dowells, Jainson or Equivalent.

**Qty : 1AU(300mtrs)**

#### **ITEM 15.**

#### **Supply of 2.5 sq mm x 3 core Copper multi-strand conductor, PVC insulated Armoured Power cable for 5/16 Amps. Socket**

Technical Specification of 2.5 Sq mm x 3 Core Copper multi-strand conductor, Armoured Power Cable :

PVC Insulated, inner sheathed, Armoured Power Cable

Conductor : Copper multi-strand Flexible

Voltage Grade : 1.1 KV , Size : 2.5 Sqmm , Core : 3

Confirming to Nominal System Voltage : 415/440 V +/- 10%

Nominal System Frequency : 50 Hz +/-3%

Conductor type : Multi-strand

Insulating Material : PVC

as per applicable IS or IEC standards

Make : POLYCAB / LAPP / CCI / HAVELLS or Equivalent

**Qty :200mtr**



TENDER NO: 6000017961

**ITEM 16.**

**Laying & Installation of 2.5 Sq.mm x 3 Core Copper multi-strand conductor, PVC insulated Armoured power cable from Power Distribution panel to single phase Power Outlet provided on wall at 10 different Locations in the proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I )**

1. The firm shall carryout the laying & installation work of above supplied power cable from 63 Amp, MCCB of proposed PDB to single phase Power Outlets provided on wall at 10 different Locations in the proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I ) for auxiliary single phase power supply.
2. The firm shall supply all required Cable Glands, Lugs, Clamps , etc. whichever is required for termination & installation work of the cable at Power Distribution Panel and Aux. single phase power outlet of "Dry offset Machine" section (SUSIIV Section , CNP-I )
3. The firm shall fix and route the cable through the route specified by CNP's Authority.
4. The copper lugs should be used for connection to copper cable/ copper bus-bar.
5. The accessories like Lugs, cable glands etc should be of reputed make like Dowells, Jainson or Equivalent.

**Qty : 1AU( 200mtr)**

**ITEM 17.**

**Supply of 50 sq.mm copper single core PVC Insulated Flexible Multistrand cable**

Technical Specification of 50 Sq mm single Core Copper multi-strand conductor Cable :PVC Insulated, flexible Cable

Conductor : Copper multi-strand, Flexible (Hair like Thin strand )

Voltage Grade : 1.1 KV ,Size : 50 Sqmm, Core : 1

Confirming to : As per Latest IS or IEC standard

Nominal System Voltage :415/ 440 V +/- 10% ,Nominal System Frequency : 50 Hz +/-3%

Conductor type : Multi-strand flexible copper, Insulating Material : PVC

Core Identification Strips : Green-Yellow (For earthing)

Make : POLYCAB / LAPP / CCI / HAVELLS / Equivalent

**Qty : 50mtr**



SECURITY PRINTING AND MINTING  
CORPORATION OF INDIA LIMITED

TENDER NO: 6000017961

**ITEM 18.**

**Laying & Installation of 50 Sq.mm copper single core PVC Insulated Flexible Multi strand cable**

1. The firm shall carryout the laying & installation work of above supplied 50 Sq mm x 1 Core Copper multi-strand conductor cable from copper earth strip in trench to nearest Dry offset machine at 3 different locations each in the proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I ) .
2. The firm shall supply all required Lugs, Clamp, etc. whichever is required for termination & installation work of the 50 Sq mm , single Core Copper multistrand conductor cable from copper earth strip in trench to nearest Dry offset machine of "Dry offset Machine" section (SUSI-IV Section ,CNP-I Section ,CNP-I ) .
3. The firm shall fix and route the 50 Sq mm , single Core Copper wire through the route specified by CNP's Authority.
4. The accessories like Lugs, clamps etc. should be of reputed make like Dowells, Jainson OR Equivalent.

**Qty : 01AU( 50mtr)**

**ITEM 19.**

**Supply of 16 sq.mm copper single core PVC Insulated Flexible Multistrand cable**

Technical Specification of 16 Sq mm single Core Copper multi-strand conductor Cable : PVC Insulated, flexible Cable

Conductor : Copper multi-strand, Flexible (Hair like Thin strand )

Voltage Grade : 1.1 KV ,Size : 16 Sqmm , Core :1

Confirming to As per Latest IS or IEC standard

Nominal System Voltage :415/ 440 V +/- 10% ,Nominal System Frequency : 50 Hz +/-3%

Conductor type : Multi-strand flexible copper

Insulating Material : PVC

Core Identification Strips : Green-Yellow (For earthing)

As per applicable IS or IEC standards

Make : POLYCAB / LAPP /CCI /HAVELLS / Equivalent

**Qty : 50mtr**



TENDER NO: 6000017961

**ITEM 20.**

**Laying & Installation of 16 Sq.mm copper single core PVC Insulated Flexible Multistrand copper cable**

1. The firm shall carryout the laying & installation work of above supplied 16 Sq mm single Core Copper multi-strand conductor cable from copper earth strip in trench to Dry offset machine's auxiliary machine in the proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I ) .
2. The firm shall supply all required Lugs, Clamp, etc. whichever is required for termination & installation work of the 16 Sq mm , single Core Copper multistrand conductor cable from copper earth strip in trench to nearest of "Dry offset Machine" section (SUSI-IV Section , CNP-I ).
3. The firm shall fix and route the 16 Sq mm , single Core Copper wire through the route specified by CNP's Authority. The 16 Sq mm ,single Core Copper wire shall be fixed with suitable clamp to hold the wire in position.
4. The accessories like Lugs, clamps etc. should be of reputed make like Dowells, Jainson or equivalent .

**Qty : 01AU(50Mtr)**

**ITEM 21.**

**Supply and installation of 8 SWG copper bare earthing wire**

Grade of the conductor :Electrolytic

Conductor Purity : 99.9% pure copper conductor

Size of the conductor : 8 SWG Quantity : 100mtr.

**Qty : 100mtr**

Make : any standard

**ITEM 22.**

**Supply of Earthing system**

Detailed Technical Specification: This specification covers earth electrodes, ground enhancing materials used for a maintenance free earthing system in line with the guidelines as per As per Latest IS or IEC standard to ensure that the resistance of the earth pits should be around 2 Ohm limits. The Earthing system should be





**TENDER NO: 6000017961**

designed in such way that earth pits resistance should be less than or equal to 02 ohms.

**Earth Electrode:**

High tensile low carbon steel rod of 3 mtr. length & 32 mm. dia with 250 micron (average) molecularly bonded copper on the outer surface. The Carbon Steel Rod should be Tested at CPRI for short current time rating of 55KA rms for 1 sec. The firm should provide test certificate along with quotation. Make : INDELEC / JEF TECHNO SYSTEM /ERICO or Equivalent.

Activated Carbon Based Back-fill Grounding Compound:-

The Back-fill compound should be strictly Activated Carbon based conductive type, having a very low resistivity As per Latest IS or IEC standard. The Back-fill should be tested as per As per Latest IS or IEC standard. The firm should provide test certificate along with quotation. The composition of Back-fill compound should be such that it should not require the continuous presence of water / moisture / salt to maintain its conductivity. The Back-fill compound should contain corrosion inhibitor to prevent oxidation of Earth electrode. The Back-fill compound should not contain hazardous chemicals to human & soil. The firm should provide necessary test certificate from reputed laboratories along with quotation. The Back-fill compound should be supplied in different bags of 50 pounds/25Kg. Make – INDELEC / JEF TECHNO SYSTEM /ERICO or Equivalent.

1. The firm shall supply 4 nos. of Earth electrode.
2. The firm shall supply minimum 6 bags of activated carbon based back-fill Grounding compound
3. The firm shall submit : Following Test Certificates for Earthing system
4. Short circuit withstanding capacity of the copper bonded rod from CPRI / ERDA or Equivalent.
5. Corrosion test certificate for the backfill compound from an independent laboratory
6. Earth system should be as per Latest IS or IEC.
7. Sulphur test certificate for the backfill compound from reputed laboratory
8. Resistivity test certificate for the backfill compound from an independent laboratory.

**Qty: 04nos**

Make : INDELEC/JEF/Equivalent



TENDER NO: 6000017961

**ITEM 23.**

**Installation of Earthing System**

1. The firm shall conduct the soil resistivity test, prior to start of Earthing job in the presence of CNP's Authority.
2. The firm shall carry out the digging work required for the earth pit of size 3 mtr. x 6" at specified location and it should be filled with carbon based earthing powder in proper proportion in mixture as per standard guidelines.
3. The firm shall connect the earthing electrode with suitable size of copper connector to the earthing strip.
4. The firm shall install the test link box at the earth pit chamber with all the required accessories to Complete the earthing system.
5. After completion of the earthing system work , the firm shall carry out the earthing resistivity test and value of the resistance shall be maintained less than or equal to 02 ohms.
6. The firm shall supply necessary bricks, cement, sand etc. required for earth pit installation work.
7. The earth pit shall be properly covered with heavy duty PVC/metallic removable cover.
- 8 The firm shall measure the earth resistance in presence of CNP engineer and submit report.

**Qty : 01 AU. (04 nos)**

**ITEM 24.**

**Supply of Copper Earthing strip**

Detailed Specification of Earthing strip:

Grade of the conductor :Electrolytic

Conductor Purity : 99.9% pure copper conductor

Size of the strip : 25 mm x3 mm

Make : Any standard

**Qty : 500mtr**

**ITEM 25.**

**Laying, Installation & Commissioning of Copper Earthing strip conductor**



**TENDER NO: 6000017961**

1. The firm shall route & lay the copper earthing strip conductor ( size : 25 mm x 3 mm) from New earth pits CNP-I to the "Dry offset Machine" section (SUSI-IV Section, CNP-I).
2. The earthing conductor shall be fixed with rectangular clamp for proper fixing arrangement, it should not be loose along the route.
3. The earthing conductor should be properly terminated to the Machine's Panel and earthing pit.
4. The earthing conductor should be fixed with the copper / brass nut bolts.
5. The earthing conductor shall be connected to new earth pits installed NearSub Station , CNP-I by properly fixing with copper/ brass nut & bolts
6. Each and every joint during the laying of the copper conductor shall be overlapped more than 6" and joint shall be fixed with the copper / brass nut & bolts.
7. The bare strip conductor should be covered with green coloured heat shrinkable insulating sleeve.
8. The earthing shall be dedicated only for proposed "Dry offset Machine" (Qty 03 ) sets of machines in SUSI-IV Section , CNP-I ).hence proper insulator shall be provided, if there is any crossover with other earthing / metal during the laying of conductor to avoid any interference due to other earthing conductor.
9. The earthing conductor shall be marked with suitable markers at regular intervals to indicate that it is intended for Offset Machine ( SUSI-IV Section).

**Qty : 01AU(500mtr)**

## **ITEM 26.**

### **Supply of GI earthing strip:**

Detailed Specification of Earthing strip:

Material of conductor: Soft Mild steel with Galvanized

Size of conductor: 50mm x 5 mm

Supplied GI Conductor should have Zinc coating of 100-150 Micron to avoid corrosion or deterioration due to environmental factors.

Make : Any standard

**Qty: 350mtr**



**TENDER NO: 6000017961**

**ITEM 27.**

**Laying & Installation of GI earthing strip**

1. The firm shall carryout the laying & installation work of above supplied GI earthing strip of 50mm x5 mm size from New earth pits to the Proposed Dry offset Machine Sec. (SUSI-IV Section,CNP-I ).
2. The firm shall supply all required Lugs, Clamp, etc. whichever is required for termination & installation work of the GI earthing strip
3. The firm shall fix and route the GI earthing strip through the route specified by CNP's Authority. The GI earthing strip shall be fixed with suitable clamp to hold the it in position.
4. The earthing conductor will be properly terminate at both ends of Equipment & Earthing. Each and every joint during the laying of the G.I. conductor will be overlapped more than 6" and fixed with the copper / brass nuts and bolts and minimum 3 nos. of nut and bolts with proper washer will be used.
- 4.. The accessories like Lugs, clamps etc. should be of reputed make like Dowells, Jainson and Equivalent .

**Qty : 01 AU. (350 mtr.)**

**ITEM 28.**

**Supply of Power Distribution Panel(PDB) with bus coupler for New Dry offset Printing machines in sub station-I with 3-Way panel.**

Technical Details:

The Panel shall be of totally enclosed floor mounting free standing fully compartmentalized front operated, dust & vermin proof construction. It shall be a compact unit with all smooth joints close fitting unobtrusive and conforming to IP 42 protection.

The Power distribution panel shall be of folded CRCA sheet construction assembled on Channel / Angle Iron base-frame. The Panel shall be fabricated in 16 SWG CRCA sheet. The panel shall have sufficient reinforced structure to sustain operational vibration, provide rigidity during shipment and installation.

The panel shall be powder coated of seven tank process with shade RAL 7032 after execution of surface treatment such as degreasing, acid pickling etc. The panel shall have provision for cable entry from bottom as well as top side. The panel shall have lifting hooks at each corner for shifting and handling. The Incoming and



**TENDER NO: 6000017961**

Outgoing Bus-bar shall be of electrolytic grade Copper of capacity min 1.8 A /sq. mm with tinned copper interconnections and duly insulated with heat shrinkable sleeve with phase identification marking. All terminals shall be shrouded in approved manner to maintain the phase to phase insulating distance. The bus bars shall be of suitable rating of 1250 Amps. All CTs/PTs used for metering shall be resin cast and of standard brand. All Control wiring shall be of 1.5 sq.mm. for potential & 2.5 sq.mm. for current with flexible multi strand copper wire having terminal ferrules for identification.

All access doors shall be provided with rubber/neoprene gasket and latches that are sufficiently strong to hold them in alignment when closed. All operating handles shall be having door interlock latching arrangement.

Panel Name plate shall be provided on the front side with manufacturer's name, address, contact information, CNP's P.O. number etc. and the type of panel viz. PDB FOR SUSI IV(New offset machine) SECTION. Name plates shall be provided on the front side and back side of the panel at outgoing terminals for easy identification. All vertical cubicle-sections of the panels shall be marked with column numbers for identifying the respective column from both front and back sides of the panel. The name/number plates shall be made up of black anodized aluminium plate with sufficient readable text size. All switches shall be mounted at easily accessible height and highest operating handle shall not be more than 1.75 meter high from the floor. Danger sign board of proper size shall be provided on the front & back sides of the panel conforming to IEA Rules.

Arrangement for double earthing terminals shall be provided on the frame at two separate points. Cable entry hole shall be provided for incoming as well as outgoing cables with knock out type gland plates from bottom and top.

Incoming Feeder:

The panel consist of 2 incomer ACB and 01 Bus coupler ACB( 02 Incomer + 01 Bus coupler) 1250 A , 415/440V AC , 4 Pole , 50 KA microprocessor based Air circuit breaker with earth fault trip and Under voltage trip, Electrically operated Draw out type.

Details of Air Circuit Breaker:

Rating : 1250 A



**TENDER NO: 6000017961**

Type : Electrically Operated Draw out Type(EDO) Current Limiting with PR 121 /P L SIG Release or Equivalent.

Number of Pole : 4 with Neutral ,Current Carrying capacity 100% of Rated Current;

Breaking Capacity : 50KA; Termination Arrangement : specious  
Ue :415 V AC or better 50/60 Hz, Working voltage-415/440V AC,  
Icu at 220—440V AC : 50 KA, Ics at 220—440V AC : 50KA ,Icw : for 0.5 s - 50KA or better .

Current Sensor : Standard Brand

Power consumption: 147.5 Watt or less

Trip Unit : Without external Power supply, Sensitive to RMS value of Current, inter-changeability with other type of trip unit without any modification,

Configurable setting for neutral : as per design.

With Shunt Open Release & Shunt Closing Release 220-240 VAC

With front accessible control terminal, Shunt Open , Shunt Close release, & Motor Mechanism.

Protection against: Earth, Overload and short circuit protection.

Checking of Trip Status : Continuous

Check of CT Monitoring: Continuous

Metering : Digital Multi-function Meter Incomer for 1 & 2 Each

Indication : RYB for Incomer 1 & 2 , ON-OFF-TRIP

selector switch : ACB selector switch with Auto – Manual selection.

Standard applicable : Latest IS or IEC standard

Preferred Make :

A) ACB : SIEMENS / ABB / L&T or Equivalent

B) Indicators : SIEMENS / ABB / L&T/ TEKNIK or equivalent

C) Meters : RUSHABH / NIPPEN / SELECTRON / L&T or equivalent

Indication and Measuring Instruments :

The panel should be provided with

a) Three phase Indication for Incoming supply Indication.

b) ACB ON , ACB TRIP , ACB OFF Indication.

c) Digital Multi function meter for both incomers ,Meter size 96 X96 mm

**QTY: 01NOS**



TENDER NO: 6000017961

**ITEM 29.**

**Installation, testing & Commissioning of Electrical Distribution panel with Bus coupler in the in substation 1.**

1. The firm shall install and commission the supplied Power Distribution Panel with bus coupler on the base frame provided along with panel.
2. The panel shall be fixed with grouting and removable 'L' plates at the location specified by CNP's authority.
3. The firm should terminate all incoming and outgoing cables with proper size of Lugs and Cable glands. The Lugs and cable glands should be of reputed make like Dowells , Jainsons, Crimpwell or Equivalent.
4. The firm should terminate the earthing at two points on the Panel.
5. It shall be the firm's responsibility to provide supervisor / engineer during the installation and commissioning of the Power Distribution Panel.
6. CNP shall provide free electricity. All other tools and tackles required for Installation and Commissioning should be brought by the firm.
7. The firm should supply all required accessories for installation of power distribution panel.
8. The Firm shall furnish test report for Panel for HV test.
9. The firm shall carry out the megger test for whole installation before charging and submit the report.
10. The firm shall charge the cable after permission of CNP's authority in the presence of CNP's engineer.

**Qty : 01 AU.**

**ITEM 30.**

**Supply of 400 sq mm x 3½core XLPE insulated Aluminium strand conductor Armoured Power cable for Substation I PDB.**

Technical Specification of 400 sq mm x 3½core XLPE insulated Aluminium Cable : inner sheathed , XLPE Insulated, armoured Cable.

Conductor: Aluminium multi-strand flexible

Voltage Grade : 1.1 KV

Size : 400 Sqmm , Core : 3½core



**TENDER NO: 6000017961**

Confirming to : As per Latest IS or IEC standard  
Nominal System Voltage : 415/440 V +/- 10% ,Nominal System  
Frequency : 50 Hz +/-3%  
Conductor type : Stranded  
Insulating Material : XLPE  
Core Identification Strips : Red , Yellow, Blue & Black/Green  
As per applicable Is or IEC standard  
Make : POLYCAB / LAPP / CCI / HAVELLS or Equivalent  
**Qty : 100mtr**

**ITEM 31.**

**Laying & termination ,installation and commissioning of 400 sq mm x 3½core XLPE insulated Aluminium conductor Armoured Power cable Double Run for Incomer-I and Incomer-II each from Electrical Sub-station-I to the Proposed Power Distribution Panel in Sub station –I .**

1. The firm shall carryout the laying & installation work of above supplied power cable in double run from Electrical Sub-station-I to Incomer-I and Incomer-II of the Proposed Power Distribution Panel in Sub station –I for proposed "Dry offset Machine" section (SUSI-IV Section , CNP-I )
2. The firm shall supply all required Cable Gland, Lugs, Clamp , metallic ladders whichever is required for termination & installation work of the cable at Proposed Power Feeder Panel of Electrical Sub-station-I .
3. The firm shall fix and route the cable through the route specified by CNP's Authority. The cable shall be fixed with clamp to hold the cable at its position. All clamps should be of heavy duty, MS material & duly coloured with oil based black colour.
4. The Firm should provide the cable marker throughout the route of cable at minimum interval of 3 mtr. distance to trace the cable.
5. The Aluminium / copper lugs should be used for connection to Aluminium cable/ copper bus-bar.
6. The accessories like Lugs, cable glands etc. should be of reputed make like Dowells, Jainson or Equivalent.

**Qty : 01AU ( 100mtr)**





TENDER NO: 6000017961

**ITEM 32.**

**Supply of Electrical Insulating Mats**

Technical Specifications:-

Electrical Insulating Mats conforming to IS 15652(2006)

Size: Length 1.8 m. x Width 0.9 m. x Thickness 10mm.

Insulation Rating: Minimum 3.3 KV

Make: ELECTROMAT/ DURATUF or Equivalent

**Qty : 30mtr**



**TENDER NO: 6000017961**

## **General Terms & Conditions.**

1. The interested bidders must visit CNP site prior to submitting the quote and satisfy themselves as regards to the total scope of work and give in writing along with the bid that they have fully understood the complete scope of work and have no complaints in this regard.

The successful bidder will have to complete the entire work to the satisfaction of CNP as per the given scope and quoted rates without any additional cost to CNP. The site can be inspected on any working day excluding Sundays and holidays with prior intimation.

2. The interested bidder must be holding valid electrical contractor's license/electrical supervisor license issued by the competent authorities(State/Central) and copy of the same shall be enclosed along with the bid.

3. The successful bidder have to submit detailed Single line diagram, drawings and layout plan of the panel for approval of CNP authorities prior to starting the work. Since the work is to be carried out at productive section, the shut downs will be planned by CNP. Since the entire work is to be completed on turnkey basis, all civil, electrical, masonry and welding material specific for this work including that of lifting and shifting devices, tools and tackles etc. for completion of this work in all respects are to be brought and arranged by the firm.

4. CNP will provide only free water and electricity for the job work.

5. If any cable along the route is damaged during shifting and termination, the same shall be required to be put in service immediately without affecting CNP production within the same scope of work without any extra cost to CNP.

6. The firm shall quote all technical details including terms and conditions in their quotation.

7. The switchgear/control gear used in the panel shall be of reputed make of Siemens/ABB/L&T/Teknik/Rushabh/Nippen/Selectron or equivalent as the case may be.

8. The cable used in panel wiring should be of Polycab/Lapp/Havells/CCI make or equivalent.

9. The firm should attach valid authorization dealership certificate obtained from manufacturer of power cable and earthing system as per the format given in tender documents.



**TENDER NO: 6000017961**

10. The firm shall supply any extra accessories, if required during the installation and commissioning work of cables, panel, enclosed switches and earthing to complete the job work successfully without any extra cost to CNP being turnkey work.
11. The job work shall be guaranteed for minimum one year.
12. The firm shall depute electrical supervisor license holder to supervise the job work.
13. The firm shall attach the detailed product catalogue, certificates for cables, switchgear and earthing along with the quotation.
14. The firm will have to provide Police Verification Report for their representatives working in CNP to complete the job work.
15. The firm shall carry out the job work during normal working hours from 08:00 a.m. to 05:00 p.m. If approved by CNP's competent authority the firm will have to carry out the job work during extended hours/Sundays and holidays.
16. The firm should follow all the safety norms of CNP. All safety precautions required for working at height (as per CNP Safety department) has to be taken care of by the firm. All safety precautions required for Hot Work( Welding/cutting etc.) as per CNP Safety department has to be taken care of by the firm.
17. The firm on which the contract is awarded will be completely liable for the safety and security of the persons working in the premises of Currency Note Press.
18. Item of equipment or accessory not specifically mentioned in the specifications but considered essential for efficient and satisfactory operation of individual equipment and the system as a whole shall be included in the offer.
19. Any material or accessory which may not have been specifically mentioned but which is necessary for satisfactory and trouble free operation and maintenance of the equipment shall be furnished without any extra charge.
20. All material and equipment supplied under this specification shall be new and unused.
21. The firm will have to confirm in writing that all the offered switchgear and control and indication devices are of proven technology, latest type and shall be available in market for next 10 years.
22. All the waste created during the work such as wires, cables, metal pieces, used glands, lugs, clamps and old used material



**TENDER NO: 6000017961**

replaced or removed during work should be shifted by the firm to the location decided by CNP official.

23. Material supply and installation work on turnkey basis are related to each other. Hence Supply of materials and their installation work shall be awarded to single firm as these are complementary in nature.

24. The firm will have to give minimum one year warranty for offered entire material and workmanship after acceptance of material and job work by the purchaser.

25. The material will be accepted on manufacturers'/seller's guarantee certificate to be sent to the purchaser.

26. The material/services supplied by the successful bidder will be accepted based on all parameters as per specifications and scope of work as stated above. The purchaser reserves the right to reject the material/services in case the material/services are not found meeting the specifications.

27. The bidder firm should have experience of similar work for the design, supply, installation, commissioning of electrical power distribution board, cables and allied electrical work in any one year of the last five years. In support of this the bidder should strictly produce the copies of purchase orders of customers as documented evidence.

28. Site visit can be done prior to Pre-bid Conference only. No further queries are entertained and site visit after pre-bid conference.



TENDER NO: 6000017961

## **SECTION VIII : QUALITY CONTROL REQUIREMENTS**

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### **SAFETY CODES TO BE FOLLOWED BY THE CONTACTORS/THEIR EMPLOYEES.**

1. The principle firm to whom the job work has been assigned will be primarily responsible to ensure the safety of all their employees working under them while they work inside factory premises.

2. The principle firm to whom the job work has been assigned will be responsible for any act of the contractors, which amounts to contravention of any provision of the Factory Act 1948 and the Maharashtra factory rules 1963.

3. The principle firm to whom the job work has been assigned will ensure and monitor the following:-

3.1 The firm has to nominate one of the competent supervisors, who in addition to his duty will also be responsible to look after the safety of employees working under them and safety of nearby other plant equipment.

3.2 The firm will provide personal protective equipment to his employees to ensure their safety.

3.3 Electrical connection will be taken only with the written permission from the electrical department CNP.

3.4 The firm will ensure that their employees do not smoke inside the factory premises.

3.5 The firm will ensure that the hand tools, power tools, forklifts, Hydra, ladders, slings and equipment etc. are maintained in good working condition and will also ensure that they are safe and free from risk to employees.



**TENDER NO: 6000017961**

3.6 All the machines brought by contractor for their job work should be properly guarded/ maintained in proper condition for their safe working.

3.7 All the lifting machines, lifting tackles, chain ropes, pulleys etc. will not be allowed in factory premises unless they are thoroughly and certified by the competent person(as per Factory act 1948) once in every Six month.

3.8 In Case of any accident, the firm representative will arrange to inform it to the safety dept. CNP immediately. The agency will also arrange to inform the inspector of Factories Nashik. The agency will provide proper information to the inspector of factories and safety officer during their inspection.

3.9 Considering COVID-19 pandemic contractor will ensure that their employees should wear masks at all time when working in CNP premises.

3.10 Selected contractor needs to provide PVR of Supervisor/ labour's/person's entering in press premises.

3.11 Contractor should provide masks, handgloves etc. to prevent COVID infection. He should follow all COVID protocols when working in CNP.



SECURITY PRINTING AND MINTING  
CORPORATION OF INDIA LIMITED

TENDER NO: 6000017961

## **Section IX: Qualification / Eligibility Criteria**

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### **MINIMUM ELIGIBILITY CRITERIA**

**The following shall be the minimum eligibility criteria for selection of bidders:**

#### **1. Experience and past performance:**

The bidder should have experience of having successfully completed similar Electrical works during last 7 years ending March -2022.

- a) Three similar completed works each costing not less than the amount equal to Rs.46,59,200/- or
- b) Two similar completed works each costing not less than the amount equal to Rs.58,23,900/-or
- c) One similar completed work costing not less than the amount equal to Rs.93,18,300/-.

#### **2. Capacity and Capability:**

The bidder should be enlisted in either Central Public Works Department (CPWD) or Military Engineering Services (MES) or any other Government/PSU/Autonomous bodies.

Note: All experience, past performance and capacity/ capability related data should be certified by the authorized signatory of the bidder firm.

#### **3. Financial Standing:**

(a) Average Annual turnover of the bidder firm should be more than Rs. 46,59,200/- during last three years i.e. 2019-2020, 2020-2021 and 2021-2022.

(b) Bidder firm should not have suffered any financial loss for more than one year during the last three financial years i.e. 2019-2020, 2020-2021 and 2021-2022.

(c) The net worth of the firm should not be negative and should not have eroded by more than 30% in the last three financial years i.e. 2019-2020, 2020-2021 and 2021-2022.

3. The bidder should submit Power of Attorney of the Authorized Signatory for signing the bid, entering in to contract, if awarded and for any other correspondences.

4. The bidders shall enclose attested copy of GST Registration (in REG 06) & attested copy of PAN.



**TENDER NO: 6000017961**

5. The bidder should give undertaking/declaration that they have read and understood all the terms & conditions of tender documents and submitting unconditional acceptance to all terms & conditions.

6. The bidder should give a declaration that they have not been black-listed/debarred for dealing by Government of India in the past.

7. The firm should attach valid authorization certificate obtained from manufacturer of power cable and earthing system.

8. The interested bidder must be holding valid electrical contractor's licence/electrical supervisor licence issued by the competent authorities (State/Central) and copy of the same shall be enclosed along with the bid.

9. Note:-

(i) In support of experience & capability criteria, the bidder has to submit attested copies of P.O's, Experience certificates issue by customers.

(ii) All experience, past performance & capacity/ capability related/data should be certified by the authorized signatory of the bidder firm.

(iii) All financial standing data such as Balance Sheet, Profit & Loss account statement etc. should be certified by certified accountants e.g. Chartered Accounts or Cost Accountant. Financial statement duly certified by CA for year 2019-2020, 2020-2021 and 2021-2022 to be submitted.

**Bidder to furnish stipulated documents support of fulfillment of qualifying criteria. Non submission or incomplete submission of documents may lead to rejection of offer.**





SECURITY PRINTING AND MINTING  
CORPORATION OF INDIA LIMITED

**TENDER NO: 6000017961**

## **Section X: Tender Form**

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To,  
Currency Note Press, Nashik  
A Unit of Security Printing & Minting  
Corporation of India Limited  
Wholly Owned by Govt. of India  
Nashik

Ref: Your Tender document No. 6000017961 dated:

We, the undersigned have examined the above-mentioned tender enquiry document, including amendment No. -----, dated ----- (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver..... (description of goods and services) in conformity with your above referred document for the sum shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V –“Special Conditions of Contract”, for due performance of the contract.

We agree to keep our tender valid for acceptance for a period upto -----, as required in the GIT clause 19, read with modification, if any in Section-III –“Special Instructions to Tenderers” or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender upto the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We confirm that in case of downloaded Tender Document, we have not changed/edited its contents. We realise that in case any such change is noticed at any stage including after the award of contract, we would be liable to action under clause 44 of the GIT.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.  
We also solemnly declare as under:



**TENDER NO: 6000017961**

1. MSMEs Status:

Having read and understood the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 (as amended and revised till date), and solemnly declare the following:

- (a) Company /Partnership Firm /Proprietary Concern / Society/Trust / NGO/Others (Please Specify): .....
- (b) Micro/ Small / Medium Enterprise/ SSI/ Govt. Deptt. / PSU/ Others: ....
- (c) Name of MSME Registering Body (NSIC/ DIC/ KVIC/KVIB etc.): .....
- (d) MSME Registration no. (with copy of registration):.....
- (e) Udyog Aadhaar Memorandum no.....
- (f) Whether Proprietor/ Partner belongs to SC/ ST or Women category.  
(Please specify names and percentage of shares held by SC/ST Partners) :  
.....

2. Make in India Status:

Having read and understood the Public Procurement (Preference to Make in India PPP\_MII) Order, 2017 (as amended and revised till date) and related notifications from the relevant Nodal Ministry/ Department, and solemnly declare the following:

- (a) Self-Certification for category of supplier:
  - Class-I Local Supplier/
  - Class-II Local Supplier/
  - Non-Local Supplier.
- (b) We also declare that
  - There is no country whose bidders have been notified as ineligible on reciprocal basis under this order for offered product, or Tender Form

SPMCIL

- We do not belong to any Country whose bidders are notified as ineligible on reciprocal basis under this order.

3. Restrictions on procurement from bidders from a country or countries, or a class of countries under Rule 144 (xi) of the General Financial Rules 2017 having read and understood the Order (Public Procurement No. 1) issued vide F.No.6/18/2019-PPD dated 23rd July 2020 (and its amendments if any) by Department of Expenditure, Ministry of Finance under the above provision and solemnly declare the following:

- We do not belong to any Country whose bidders are notified as ineligible under this order

4. Debarment Status: Please state whether business dealings with you currently stand suspended/ banned by any Ministry/ Deptts. of Government of India or by any State Govt:



**TENDER NO: 6000017961**

- Yes (with period of Ban)
- No, We, solemnly declare that neither we nor any of our affiliates or subsidiaries– including subcontractors or suppliers for any part of the contract– do not stand declared ineligible/ blacklisted/ banned/ debarred by any Government Agency anywhere in the world, for participating in its tenders, under that country’s laws or official regulations.

5. Penalties for false or misleading declarations: I/we hereby confirm that the particulars given above are correct and complete and also undertake to advise any future changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of code of Ethics and would attract penalties as mentioned in this tender document, including debarment.

.....  
(Signature with date)

.....  
(Name and designation)

Duly authorized to sign tender for and on behalf of

.....  
.....





**TENDER NO: 6000017961**

2	Installation Power distribution panel	AU							1	
3	Supply of 400 sq mm x 3½core XLPE	Mtr							400	
4	Laying of 400sqmm 3.5 core XLPE Cable	Mtr							400	
5	Supply of 1.1kv 120 sqmm 4core copper cable	Mtr							300	
6	Installation 1.1 kv 120sqmm 4core copper Cable	Mtr							300	
7	Supply of 1.1 kv 35sqmm 4 core Cu cable	Mtr							450	
8	Install. of 1.1kv 35sqmm 4core Cu cable	Mtr							450	
9	Supply of 32A TPN MCCB	Nos							10	
10	Install. of 32A TPN MCCB	Nos							10	
11	Supply of 5/16A 240v 1Ph.3 pin socket	Nos							10	
12	Install. of 5/16A 240v 1Ph. 3 pin Socket	Nos							10	



**TENDER NO: 6000017961**

13	Supply of 16sqmm 4 core Cu. Arm. cable	Mtr							300	
14	Laying & installation of 16sqmm 4 core Cu. Arm. Cable	Mtr							300	
15	Supply pf 2.5sqmm 3 core Cu. Arm. cable	Mtr							200	
16	Laying of 2.5sqmm 3 core Cu. Arm. cable	Mtr							200	
17	Supply of 1.1kv 50sqmm 1core cable	Mtr							50	
18	Laying of 1.1kv 50sqmm 1core Cu. Cable	Mtr							50	
19	Supply of 1.1kv 16sqmm 1core Cu. Cable	Mtr							50	
20	Laying of 1.1kv 16sqmm 1core Cu. Cable	Mtr							50	
21	Supply & Instal. of Bare Earthing Wire	Mtr							100	
22	Supply of Earthing System	Nos							4	
23	Installation of Earthing System	Nos							4	



**TENDER NO: 6000017961**

24	Supply of Cu. Earthing strip 25mm X 3mm	Mtr							500	
25	Laying of Cu. Earthing Strip 25mmX3mm	Mtr							500	
26	Supply of GI Earthing Conductor Zinc coat	Mtr							350	
27	Laying of GI Earth Conductor Zinc Coat	Mtr							350	
28	Supply of Bus Coupler Panel	Nos							1	
29	Install. of Bus Coupler Panel	Nos							1	
30	Supply of 400sqmm 3.5core XLPE Al Cable	Mtr							100	
31	Laying of 400sqmm 3.5core XLPE Al cable	Mtr							100	
32	Supply of Ele. Insulation Mat 10MX1MX3mm	Mtr							30	
Grand Total (Rs.)										



**TENDER NO: 6000017961**

1. Scope of Supply: (Cost break-up of the quoted cost, showing inter-alia costs of all the concomitant Installation/ Commissioning/ Training/ Technical Support/ incidental services/ software/ accessories, considered necessary to make the proposal self-contained and complete must be indicated here.)

2. Taxation Details:

- a) PAN number
- b) Type of GST Registration (Registered, Unregistered, Composition, SEZ, RCM etc.)
- c) GSTIN number
- d) Registered Address as per GST registration and Place of Delivery for GST Purpose
- e) Contact Names, Nos. & email IDs for GST matters (Please mention primary and secondary contacts)

.....  
3. It is hereby certified that we have understood the General and Special Instructions to Tenderer's (GIT and SIT), and also the General and Special Conditions of Contract (GCC and SCC) attached to the tender and have thoroughly examined specifications/ Quality Control Requirements and other stipulations in Section VII & VIII – Technical Specifications and Quality Control Requirements; and are thoroughly aware of the nature of stores required and our offer is to supply stores strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the General and Special Conditions of Contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

4. We hereby offer to supply the stores detailed above or such portion thereof, as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of ---- days from the date of opening of tender (i.e., up to ----), We shall be bound by the communication of acceptance dispatched within the prescribe time.

Dated.....

Signature and seal of Manufacturer/Bidder

Note:

- (i) The Bidder may prepare their own offer forms as per this proforma.
- (ii) No change in the proforma is permissible.
- (iii) No erasures or alternations in the text of the offer are permitted. Any correction made in the offer shall be initialed by the bidder.
- (iv) This Section should not bring in any new Technical Parameter that has not been mentioned in the Technical Bid.

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**TENDER NO : 6000017961**

- SECTION XII: QUESTIONNAIRE  
 SECTION XIII: BANK GUARANTEE FORM OF EMD  
 SECTION XIV: MANUFACTURER'S AUTHORIZATION FORM  
 SECTION XV: BANK GUARANTEE FORM FOR PERFORMANCE SECURITY  
 SECTION XVI: CONTRACT FORM  
 SECTION XVII: LETTER OF AUTHORITY FOR ATTENDING A BID OPENING  
 SECTION XVIII: SHIPPING ARRANGEMENT FOR LINER CARGOES  
 SECTION XIX: PROFORMA OF BILLS FOR PAYMENTS

Please [CLICK](#) the link for further details

<http://cnpnashik.spmcil.com/SPMCIL/UploadDocument/SBDTEMP LATE1.pdf>

**TWO BID, SINGLE STAGE (TWO PACKETS) TENDER BIDDER'S CHECK LIST  
 BEFORE TENDER SUBMISSION**

**Part I: - TECHNO-COMMERCIAL BID**

Sr. No.	Tender Submission Check Points	Check before submission Tick ( ✓ )
1	EMD FEE /Bid Security Declaration	
2	Tender Document duly Seal & Signed	
3	Term of Delivery :- FOR, CNP Nashik road, duly unloaded	
4	Tender Validity 120 days as per the tender	
5	Technical Specification –Section VII as per tender	
6	Submit Manufacturer's Authorization form (As Applicable)	
7	Accept the Warranty clause as per tender (As Applicable)	
8	Submit the documents as per Qualification / Eligibility criteria – Section IX (As Applicable)	
9	Fill Tender Form – Section X duly seal & sign (Without mentioning price)	
10	Delivery Period: Acceptance of delivery period as per Section VI of tender Document.	
11	Blank price schedule format as per Section XI indicating 'XXXX'	
12	Power of Attorney for signing the bid document and contract, if awarded.	
13	Section II - General Instructions to Tenderer's (GIT)	
14	Section IV - General Conditions of Contract (GCC)	
15	Section XII to XIX of Tender Documents	

**Part II: - PRICE BID**

Sr. No.	Tender Submission Check Points	Check before submission Tick ( ✓ )
1	Price Bid as per Section XI (Price including all taxes & other charges )	

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**TENDER NO : 6000017961**

(Bidder's Seal & Sign)

Annexure-I  
Bid Security Declaration Format  
(To be printed on letter head of bidder)

Date:

To,  
The Chief General Manager  
Currency Note Press  
Nashik Road

Sub: Bid Security Declaration-Reg.

Ref: 1. Tender No. \_\_\_\_\_ Dtd: \_\_\_\_\_  
2. Bidder's offer no. \_\_\_\_\_ Dtd: \_\_\_\_\_

I, \_\_\_\_\_ (Name of authorized signatories), on behalf of \_\_\_\_\_ M/s. \_\_\_\_\_ (Bidder's name and address), duly authorized to sign the tender document and enter into contract (if awarded), herewith accept that if the bidder withdraw (or) modify our bid during period of validity i.e. within 120 days of opening of bid etc., the bidder will be suspended/debarred/blacklisted for a period of two years from the due date of the tender.

(Signature of Authorized Signatory)

Designation:  
Name of Bidder:  
Seal:

(Non submission of this declaration may result in disqualification)