

INDIA SECURITY PRESS

(A Unit of Security Printing and Minting Corporation of India Limited)
Wholly owned by Government of India
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1. Name of the organization: India Security Press, Nashik (a unit of Security Printing and Minting Corporation of India Limited)
2. Type of the organization: Wholly owned by Government of India.
3. EOI Reference No: 10/EOI/2026 dated 06.06.2026.
4. EOI Title: Expression of Interest for “**SITC for replacement of 33 KV Main receiving indoor HT Panel**”.
5. Category: Non-Security
6. Sub-category: Capital Item
7. Date of Announcement: 06.06.2026
8. Pre-bid conference: The pre-bid conference will be conducted on 16/06/2026 at 11.00 Hrs IST. The prospective bidders interested to Submit Expression of Interest are requested to attend the pre-bid conference for clarifications on technical issues, at India Security Press, Nashik Road. The queries of pre-bid conference, if any, shall reach to CGM, ISP Nashik on or before 15/06/2026.
9. Last date for submission: 14:30 Hrs (IST) on 07/07/2026.
10. The Chief General Manager, India Security Press, Nashik invites Expression of Interest from firms for the “**SITC for replacement of 33 KV Main receiving indoor HT Panel**”.

The Concise Scope of Work for the Brief requirement of ISP for “**SITC for replacement of 33 KV Main receiving indoor HT Panel**” are as under:

A) Broad Scope of Work:

Sr. No.	Description	Qty
	Incomer 2 nos.	
1	33kV, 3AH0, 1250A 26.3kA/3 sec. CC/TC-110V DC, SPM-240VAC CG / Equi	2
2	Digital Ammeter + Selector Switch AE / Equi	2
3	Digital Voltmeter + Selector Switch AE / Equi	2
4	MFM Meter -CL-0.5 with RS485 Port schnieder / Secure	2
5	CT 400A/1-1A, CL-0.5/10VA, 5P20/10A Pragati/ECS	6
6	CT 400A/1-1-1A, CL-PS...(64R), PS....(87T), PS....(87B) Pragati/ECS	6
7	PT 33kV/rt3/110v/rt3, core-1: CL-0.5/3P/100VA/3P/50VA Open Delta (Fixed Type) Pragati/ECS	6
8	T-N-C Switch Switron	2
9	L/R Switch Switron	2
10	Control MCB/Fuse set Siemens	2
11	Indicating Lamp set Siemens	2
12	Emergency T.P.B Siemens	2
13	16W Annunciator + Hooter + Bell Alan	2

14	Space heater & Thermostat with toggle switch Reputed	2
15	Panel illumination Lamp With Door Limit Switch Reputed	2
16	TTB DAV	2
17	Numerical O/C & E/F Relay - with RS 485 Port 50, 51, 50N, 51N, 27, 59,2,67,67N,95) CG / Equi	2
18	Master Trip Relay - VAJH13 (86) CG / Equi	2
	Bus coupler	
1	33kV, 3AH0, 1250A 26.3kA/3 sec. CC/TC-110V DC, SPM-240VAC CG / Equi	1
2	Digital Ammeter + Selector Switch AE / Equi	1
3	Digital Voltmeter + Selector Switch AE / Equi	1
4	MFM Meter -CL-0.5 with RS485 Port schnieder / Secure /	1
5	CT 400A/1-1A, CL-0.5/10VA, 5P20/10A Pragati/ECS	3
6	CT 400A/1-1-1A, CL-PS...(64R), PS....(87T), PS....(87B) Pragati/ECS	3
7	T-N-C Switch Switron	1
8	L/R Switch Switron	1
9	Control MCB/Fuse set Siemens	1
10	Indicating Lamp set Siemens	1
11	Emergency T.P.B Siemens	1
12	Space heater & Thermostat with toggle switch Reputed	1
13	Panel illumination Lamp With Door Limit Switch Reputed	1
14	TTB DAV	1
15	Numerical O/C & E/F Relay -(6BI+8BO) with RS 485Port (50, 51, 50N ,51N,64R,95) CG / Equi	1
16	Master Trip Relay - VAJH13 (86) CG / Equi	1
	Outgoing 2 Nos.	
1	33kV, 3AH0, 1250A 26.3kA/3 sec. CC/TC-110V DC, SPM-240VAC CG / Equi	2
2	Digital Ammeter + Selector Switch AE / Equi	2
3	Digital Voltmeter + Selector Switch AE / Equi	2
4	MFM Meter -CL-0.5 with RS485 Port schnieder / Secure	2
5	P20/10A Pragati/ECS	6
6	CT 400A/1-1A, CL-0.5/10VA, 5P20/10A Pragati/ECS	6
7	T-N-C Switch Switron	2
8	L/R Switch Switron	2
9	Control MCB/Fuse set Siemens	2
10	Indicating Lamp set Siemens	2
11	Emergency T.P.B Siemens	2
12	Space heater & Thermostat with toggle switch Reputed	2
13	Panel illumination Lamp With Door Limit Switch Reputed	2
14	TTB DAV	2
15	Numerical O/C & E/F Relay -(6BI+8BO) with RS 485Port (50, 51, 50N ,51N,64R,95) CG / Equi	2
16	Master Trip Relay - VAJH13 (86) CG / Equi	2
17	3 core , 33 KV 185 sq mm Aluminium armoured cable	80meter
18	33KV indoor heat shrinkable indoor cable termination kit for 3 core , 33 KV 185 sq mm Aluminium armoured cable	2
19	Auxiliary power supply for 33 KV HT panel with batteries and its panel	1
20	Civil work including excavation and making cable trench	1 AU
21	Supply of Insulating Rubber Mats in front of the above four panel board in suitable size & rating and considering to relevant IS Specifications and IE rules.	20 meter

Technical Specification: -

1. 33KV VCB PDB, 5 VCBs (i.e. 2 I/C, 1 B/C and 2 O/G) - 1 AU

33 KV Vacuum Circuit Breaker Power Distribution Panel Board having five VCBs with 2 Incomer, 1 Bus Coupler and 2 outgoing feeders as per following details

Panel Board: Design, Fabrication, Assembling, Testing and Supply of Indoor type, IP 45, 33KV rated cubicle panel board, self-supporting, standalone and compartment type with suitable door locking arrangement on all compartments, having a base of heavy duty M.S. "H" sections of size 100mm X 100 mm., fabricated out of CRCA grade sheet steel of 14 SWG for outer housing and 16 SWG for internal compartments, duly powder coated with RAL 7023 or IS 631 grade paint in Siemens Gray shade, should have suitable bus bar arrangement for all incoming and outgoing feeders, the bus bars should be of electrolytic grade Aluminium (1 Amp per Sq.mm capacity.) suitable shape , the size and numbers shall be as per current rating of the corresponding VCBs of incoming, outgoing & bus coupler circuits. Each VCB compartment shall be provided with bus bar sprout arrangement at isolating contacts of the VCBs. The bus bars shall be mounted on adequate numbers of epoxy insulators. The control wiring should be in 2.5 sq. mm. copper flexible wires in correct colour codes/with wire number ferrule as per wiring diagram, the adequate number of space heaters & panel illuminating lamps shall be provided with control fuses/MCBs & switches, the live parts of the panel should be covered with insulating materials, the panel should have sufficient space for termination of all incoming and outgoing cables and appropriate bottom plates shall be provided with suitable knock out holes for entry/exist of the cables of size 300 sq mm HT XLPE power cables, the appropriate arrangement in suitable size of GI/Copper earth conductor strip shall be provided at the bottom of panel with connection arrangement at both the ends. The adequate number of lifting eye bolts shall be provided on each compartment of the PDB. The panel shall be provided with 33 KV Danger Notice Board as per as per IE rules, The cubicles panel board shall be manufactured and tested as per IS: 153427, IEC: 60298 and IS: 12729 ,IEC: 60694 having the arrangements & facilities to install 5 numbers of VCB, out of which 02 nos. shall be Incomers, 01 nos. shall be Bus Coupler with required bus raiser arrangement and 2 nos. shall be outgoing feeders distributed equally on both the incomers, The details of panel equipment's & accessories shall be as described below:-

Vacuum Circuit Breakers: The VCBs shall both manually and electrically operated type with whole unit mounted on draw out type wheeled trolley complete assembly manufactured and tested as per IS: 13118, IEC62271-100,200. The electrical operation shall be through motorised spring charging mechanism. The various electrical ratings of the VCBs shall be Rated KV: 33, Rated current: 1250A, , Lighting Impulse voltage ty: 170KVp, Sym. Short circuit making current – 62.5 KA, breaking capacity: 25 KA RMS for 1 second, Application: Transformer switching, Degree of protection: IP4X, Operating duty: rapid auto reclosing, Anti-pumping control, The VCB compartment shall have breaker rack in & rack out mechanism with bus bar sprout OPEN/CLOSE arrangement, isolating auxiliary

wiring connector, Mechanical indicators for breaker CLOSE, OPEN & SPRING CHARGE STATUS

The all the VCB related tested shall be carried out after installation and report is to be submitted.

Indications: All incoming & outgoing VCB panel should be provided with 22.5mm Ø/30mm Ø LED type indicating lamps in appropriate colour codes for all three phases live, breaker close, breaker open, breaker trip, Spring Charge, DC supply failed, Breaker in service, Breaker in test, trip circuit healthy with check push button etc. The bus coupler VCB may have facilities like breaker Close/Open with LED indicating lamps for indication of VCB status like Close, Open, Trip, Spring charged status & trip circuit healthy check etc.

CT & PT: The CT & PT shall be epoxying resin, copper wound with required ratio shall be provided separately for measurement and protection purpose. The PT shall be provided with protection fuses. The ratio of PTs shall be 33000V/110V and ratio of all CTs shall be 400/5A.

Metering: - The two incomer panels shall be provided with digital meters i.e. Voltmeter, Ammeter, KWH, KVAH, KW and PF etc and the two outgoing feeders shall be provided with digital meters i.e. Ammeter, KWH, KVAH, KW and PF etc. The bus coupler & bus riser panels may not be essentially provided with these meters but required protection relays may be provided.

Protection System: - All incoming & outgoing VCB's shall be provided with numerical protective relaying i.e. 3 O/C (over current) & 1 E/F (earth fault) including Restricted Earth Fault Relays and Master Trip Relay with dedicated set of CT's. The system shall be operated through 30V DC supply available at site through a battery bank & charger unit. The two incomer VCB panel compartment shall also be provided with differential protection relaying arrangement with provision of suitable hooter for alarming the fault situation.

Space heaters: - Minimum two space heaters of suitable rating along with thermostat cut off arrangement and switching ON/OFF arrangement with protective MCB/HRC fuses shall be provided in each VCB compartment and Bus coupler/Bus raiser compartments.

Installation & Commissioning: - Erection, installation, testing & commissioning of 33KV VCB PDB by dismantling & removing of existing 33KV SF6 PDB at 33KV MRS with shifting of dismantled PDB to scrap yard as directed.

Makes of the materials:-

- (i) VCB: ABB or Equivalent.
- (ii) CT & PT: Vidyut or Equivalent.
- (iii) Protective Relays: Aashda or Equivalent.
- (iv) Measuring Meter: Rishabh or Equivalent.
- (v) Panel Accessories: L&T or Equivalent.
- (vi) Wires: Polycab or Equivalent.
- (vii) Metallic Parts: - TATA /JSW/SUDAL or Equivalent.

2. SLUTC of Power Cables: 120 Meter

Supply, Laying in Underground & Testing of 33KV rated, size 3 x 185 mm², XLPE insulated armoured cables with aluminium conductors along with provision of underground cable trench by making route clearance by removal of stone aggregates laid in the 33KV switchyard, excavation of trench of minimum size 0.6 meter wide X 1.0 meter depth, making duct in outer wall foundation of the indoor switchgear room for laying the cables, laying of all required pieces of power cables, filling the sand cushioning layers all around the cables, making provision of continuous brick cautioning over the laid cables, refilling with the excavated soil/murram into cable trench to a finished level and then relaying of existing stone aggregates along with provision of additional stone aggregates of Size ¾" & 1" mix so as to get uniform distribution of stone aggregates in the 33KV switchyard. The details of cable pieces to be laid under this service activity as per site existing site conditions are as below,

- (i) Cables for 33KV incomer 1 & 2 from the AB switch of 33KV supply.
Approximate length of cable pieces: - (1 No. X 30 Meter) + (1 No. X 30 Meter) = 60 meter.
- (ii) Out going cables from 33 VCB PDB to transformer 1 and 2 . Approximate length of cable pieces: - (1 No. X 30 Meter) + (1 No. X 30 Meter) = 60 meter.
- (iii) Note: The length of above pieces may vary slightly as per new arrived site conditions however overall length will not exceed above 120 meter.
Make: - Polycab or Equivalent.

3. SITC: Cable End Termination Kit: 08 AU

Supply, Installation, Termination and Testing of Indoor& Outdoor type, Heat Shrinkable, Cable End Termination Kits suitable for 33KV rated, size 3 x 185 mm², XLPE insulated armoured cables with aluminium conductors for existing incoming/outgoing cable in the respective VCB panel compartment and in 33 KV transformer cable end boxes of the transformers through cable end termination kit. The details of requirement of cable end termination kits are as below:-

- (i) Incoming Cables: 02 Nos.
 - (ii) Outgoing Cables: 02 Nos.
- Make: Raychem or Equivalent.

4. SITC: 30V/48 V DC Battery Bank-Charger Unit:1 Set

Supply, installation, testing and commissioning of Float cum Boost, Auto & Manual, 30 V DC Battery Bank-Charger Unit along with required batteries of rating 2 V, 100 AH X 15 numbers suitably fixed & interconnected on suitable battery rack. The charger unit shall have provided with over charge & deep discharge protection, Voltmeters & Ammeters both for 250V AC input supply and 30V DC output supply, SP MCB of 10A DC rating, six numbers for protection of outgoing to loads, connecting of load cables from charger unit to all DC load points in 33KV PDBs and Transformer RTCC Panels are required.

Make of the charger unit: Panva OR Equivalent.
Make of the battery : EXIDE OR Equivalent.

5. SITC: Insulating Rubber Mat: 50 Meter

Supply & installation of 33KV KV grade, ISI marked, PVC Insulating Mat considering to relevant IS Specifications and suitable for above installation. The size of mat shall be 1 M wide X 3.0 mm thick in continuous roll of 50 meter for

fixing suitably all around the 33KV & 11KV indoor panels. The mat shall be tested using on 33KV rated electrical substations.
Make: Electorsafe OR Equivalent.

6. Construction: UG Masonry Cable Trench: 08 Meter.

Provision of finished masonry underground indoor cable trench of size 1.6-meter-wide X 1.0-meter depth with provision of MS Equal Angle of size 35mm X 35mm along the top edges of the trench for placing/housing of MS chequered plates & MS C channels of size 50mm X 50 mm at suitable spans across the trench to sustain the load of VCB cubicle panel boards.

7. SFFC: Trench Cover Plates: 12 Square meter

Supply, Fabrication, Fixing & Commissioning of 6 mm thick, M.S. Chequered, Antiskid, Trench Cover Plates in pieces of appropriate shape & size with dropdown lifting handles suitable to the site condition and also suitable to handle by a single person easily.

8. Disconnection & Removal of Cables & PDB: 01AU

Disconnection of existing 33KV incoming & outgoing cables from AB switch and individual SF6 breakers of existing 11KV PDB and then removal of the PDB & dismantled pieces of the unwanted cables and depositing these materials in the scrap yard shown by the user section.

9. Labour & Service Charges: -

Labour & Service charges for all activities required to execute for making temporary arrangement/standby arrangement to maintain power supply continuity to all outgoing feeders from 33/11KV MRS during power shutdown period required for execution, completion, testing, conducting trails and FAT (Final Acceptance Test).

A. DELIVERY PERIOD: -- Within 06 months from the date of Purchase Order by ISP.

B. TECHNICAL REQUIREMENT: -

- (i) The interested bidders must be either Original Equipment Manufacturer (OEM) or authorized dealer of the OEM, with the valid authorization certificate issued in their own name from the OEM. Necessary valid authorization from OEM/ needs to be submitted along with quotation along with an undertaking from the OEM that they will provide after Sales Services for the next 10 Years in case the Bidder fails to do so.
- (ii) The bidder should have experience of carrying out such SITC works of 33 KV VCB Panel Board and in support they will have to submit self-attested copies of both the Purchase Orders and Satisfactory Completion Certificate from the Customer/client for whom such works have been carried out during last five years.
- (iii) The interested bidder must be holding Valid electrical contractors license issued by the competent Authorities (State/Central) and copy of the same shall be enclosed along with the Bid.

C. Scope of work: -

- (i) The all above schedules of work are for making a new provision of 33 KV VCB Panel Board through turnkey design, fabrication, supply installation testing and commissioning of said panel board in ISP's 33KV MRS in place of existing 33KV SF6 Panel Board.
- (ii) Since the new panel board is to be installed in place of existing working panel, if required, the bidder will have to make suitable arrangement by dismantling, disconnecting, shifting, erecting at another place, then re-connecting, re-terminating the power /control cables temporarily and put in normal working of the existing panel(s) till the installation of new panel(s) in place is completed so as to avoid maintain power supply continuity to ISP factory & township.
- (iii) The interested bidders must submit, along with the technical bid, the General Arrangement (GA) drawing showing overall dimensional details along with Single Line Diagram (SLD) showing interconnection scheme of all equipment's their ratings viz. VCB, CT, PT, Bus bars, Protective relaying arrangement and Metering arrangement etc.
- (iv) The interested bidders must submit, along with the technical bid, the various products catalogues showing technical details & features of the panel equipment's & panel accessories. The bidder will have to provide complete manufacturer's specifications for all major items that are to be supplied including part number, model number etc. The bidder will have to categorically mention the makes and models of the system offered.
- (v) The bidder will have to give an undertaking that they will provide after sales support which includes supply of spares and consumables for next 10 years, on site and off-site Warranties of various equipment's and system installed.
- (vi) The bidder will have to conbidder in writing along with the bid that all the offered VCB, CT, PT, Bus bars, Insulators, Protective relays, Control & indication devices and Cables, cable joint kits & wires etc are of proven technology, latest type and the spares required for the offered panels will be made available for next 10 years.
- (vii) The bidder will have to give in writing that the offered Switchgear and its accessories are not obsolete and they will provide the after sales services for the next 10 years and consumables required for the system shall be readily available in the market for next 10 years.
- (viii) All the provisions made under this work shall be complete in all respect and any item or equipment or accessory not specifically mentioned in this specification but considered essential for efficient and satisfactory operation of individual equipment and system as a whole shall also be included in the offer.
- (ix) Any material or accessory which may not have been specifically mentioned but which is necessary or usual for satisfactory and trouble-free operation and maintenance of the equipment shall be furnished without any extra charge.
- (x) All material and equipment supplied under this specification shall be new and unused.
- (xi) The completion cum suitability report to release the payment will only be issued if the panels supplied & installed are found satisfactory working for a period of 06 days.
- (xii) The BOQ is tentative defining only the major equipment's and their related integration works but all the auxiliaries and necessary hardware, systems or any

other material required for such integration has to be supplied by the successful bidder to complete it as a whole system in the same scope.

- (xiii) The bidder on whom Purchase Order will be placed will have to submit detail GA drawings, layout plan of the panel, civil works and cable routes for approval of ISP authorities prior to starting the work.
- (xiv) Since the work is to be carried out in working substation, the shut downs will be planned by ISP as per ISP's convenience.
- (xv) Since the entire work is to be completed on turnkey basis, all tools tackles, measuring equipment's or any services including that of lifting and shifting and digging devices etc complete with required skilled and unskilled labour for completion of this project in all respect are to be brought and arranged by the bidder bidder. ISP shall provide only free electricity and water.
- (xvi) The bidder will have to give all the final lay out drawings, SLD, drawings/ manuals of major switchgear and relay assemblies, Test report etc in triplicate in hard copy format after completion of work.

D. TEST CERTIFICATES:-

Test Certificates including Test records, performance curves and calibration certificates shall be supplied for all major equipment's. All Tests shall be carried out in accordance with relevant Indian Standards established for such equipment's. All the Tests must be endorsed with sufficient information to identify the material or the equipment's to which the certificate refer.

E. COMPLETENESS OF OFFER: -

The bidder should ensure that the offer submitted by them is complete in all respect. In order to meet the completeness of the offer, during the execution stage, if any additional items /services are required to meet the completeness of the offer, the bidder has to supply the item/items even if the vendor in his offer did not anticipate it and no extra cost shall be paid to the contractor other than the contract amount.

F. SECURITY NORMS TO BE FOLLOWED.

- (i) The successful bidder will be responsible for ensuring safety of their employees working under them while they work inside ISP factory premises.
- (ii) The successful bidder will be responsible for any act of Contractor which amounts to contraventions of any act/provisions of Factories Act 1948 and other statutory laws.
- (iii) The successful bidder will ensure and monitor the following: --
 - (i) The successful bidder will nominate one of the competent supervisors, who in addition to his duty will be responsible for the Safety of the employees working under them. The name of the Supervisor shall be informed to the Safety Officer of ISP along with his address before commencement of the work.
 - (ii) The successful bidder will submit their date wise detail work schedule /work plan in prescribed format to Safety department of ISP before start of the work. This is very essential to identify the risk(s) and for job safety analysis.
 - (iii) The successful bidder will provide at his cost all Personal protective equipment's to their every employee and will ensure their use for their safety.
 - (iv) Any electrical connections will be taken only with the written permission from Electrical department of ISP.
 - (v) The successful bidder will ensure that their employees will not "smoke" in ISP premises and will not bring any mobile, pen drives, camera or any such electronic gadgets.
 - (vi) The successful bidder will ensure that the hand tools, other equipment's, ladders etc are maintained in good working condition and will also ensure that they are safe and free from risk to the employees and their health.
 - (vii) All the electrical equipment's and machine(s) brought by the contractor shall be properly electrically grounded and guarded for their safe working.
 - (viii) For working at height, welding works, gas cutting works, excavation works, working on fragile roof, working on electrical lines or any work of similar nature, the principal agency and the Contractor will inform the Safety department of ISP in advance and seek "permit to work" from Safety Department of ISP, in given format.

G. SECURITY AND SAFETY CODE:-

a. Safety code to be followed by all contractor/their employees:-

ISP is registered under factories Act 1948 and hence ISP has to meet all the provisions of factories act and related labour laws and their respective provisions under these Acts, to fulfil the statutory obligations. Therefore, the successful bidder will have to follow all these Rules and regulations prevalent in ISP.

b. Police verification report in respect of contractor and his employees.-

- (i) The Contractor and his employees will have to submit Police verification report (PVR) brought from Police Authorities before start of the work. Unless the PVR is submitted permission to work will not be granted. The PVR will be considered valid for a period of one year from

the date of issue and if the work is extended beyond that period, a new PVR will have to be submitted.

- (ii) The successful bidder will coordinate with CISF, Safety department, Fire Fighting department and user department of ISP. The Contractor/integrator/vendor will ensure all the safety and security norms of ISP and will ensure that the machine/plant equipment's are fully protected from damages.
- (iii) In case of any major or minor accident at site, they will have to inform the Safety Department immediately and the sole responsibility of such cases will be with the successful bidder.
- (iv) During the execution of the project, in case of any major or minor accident causing loss to the employees of the bidder, the compensation of any type will not be borne by ISP. All legal and other formalities from local department/government shall be dealt by the Principal Agency/Contractor.

B) Pre-Qualification Criteria:

(a) The bidders should give a declaration that they have not been blacklisted or debarred for dealing by Government of India or any Government / PSU/ Reputed organisation in the past.

(b) The documents in support of Expression of Interest need to be submitted duly signed by authorized representative of the company.

(c) The bidder shall be a manufacturer of 33 KV Main indoor HT Panel for at least last three years and supplied & commissioned the Indoor Panel with the same or higher specifications of at least one number in last three years ending on "31.03.2025". At least one number of the product offered for supply should be in successful operation for at least one year on the date of bid opening. The bidder should provide the documentary evidence for the same.

(d) The interested bidders shall also submit copies of Audited financial statement for the last Five (05) years i.e. 2020-2021, 2021-2022 and 2022-2023, 2023-2024, 2024-2025.

C) The bidder should also confirm specifically that:

(a) Applicant is competent and legally authorized to submit and/ or to enter into legally binding contract.

(b) The firm should confirm their annual installed capacity for Supply, Installation, Interfacing, Testing & commissioning of 33 KV HT Indoor Panel.

(c) Applicant will absolve the purchaser against any infringement of patent rights and other contract provisions.

D) The duly filled details along with supporting documents and budgetary offer(s) with respect to 33 KV HT Indoor Panel at India Security Press, Nashik.

The same may be submitted in person or through courier/ registered post/ speed post so as to reach the following address on or before the prescribed date and time as under:

The Chief General Manager,
India Security Press,
Nashik-422 101
Phone No 0253 2402219, 0253 2402435
Fax No 0253 2462718
Email: purchase.isp@spmCIL.com

**Last date and time for receipt of Expression of Interest: 07/07/2026
at 14:30 Hrs. (IST)**

**Date and time of opening of Expression of Interest at 15:00 Hrs. (IST)
on 07/07/2026.**

Place of opening of Expression of Interest

India Security Press,
Nashik Road 422 101
Maharashtra, India

E) Delay due to postal/Courier etc, will not be entertained. Expression of Interest received after the due date and time will be rejected.

Jt. General Manager (TO)/Purchase
For Chief General Manager
India Security Press,
Nashik Road-422101

TECHNICAL PARTICULARS (To be submitted by the Bidder)

1.	General :	
	Name of the Company	
	Office address	
	Factory address	
	Fax No.	
	Telephone No.	
2.	Panel	
	Type & Designation	
	Application Standard	
	Rated Voltage (KV)	
	Highest Voltage (KV)	
	Normal Current (Amps.)	
	Frequency (Hz)	
	STC for 3 Sec. (KA/ 3 Sec)	
	Breaking Capacity (KA)	
	Making Capacity (KAp)	
	Power frequency withstand voltage (KV rms)	
	Impulse withstand voltage (KVp)	
	Degree of protection	
		Material of enclosure
Sheet thickness of load bearing members		
Sheet thickness of doors & covers		
Position of Mechanical & Electrical Emergency Trip Arrangement		
Power cable termination height		

	Position of Power Cable Entry			
	Position of Control Cable Entry			
	Separate Bus Section Panel at the side of Bus Coupler			
	Separate Panel for both Bus PT as per Drawing			
	Degree of protection of HV compartment			
	Degree of protection of LV compartment			
	Dimension in mm (H x W x D)	Height	Width	Depth
3.	Bus Bar			
	Material			
	Shape			
	Size			
	a) Main Bus			
	b) Earth Bus			
	Cross sectional area (Sq. mm)			
	Type of plating			
	Normal Current currying capacity (Amps)			
	STC for 3 Sec. (KA/3 Sec)			
	Temp. Rise over ambient at normal current			
	Current density (Amps/ sq. mm)			
	Phase to Phase clearance (mm)			
	Phase to ground clearance (mm)			
	Type of insulation			
4.	Bus support insulator			

Material	
Dry Power frequency Withstand Voltage for one minute	
Wet Power frequency Withstand Voltage for one minute	
Impulse Withstand voltage	
Creepage distance	

5.	Vacuum Circuit Breaker
Make	
Type	
Reference Standard	
Arc quenching medium	
Number of break per phase	
Rated voltage	
Highest voltage	
Frequency	
Normal Current	
Breaking capacity	
Making capacity	
STC for 3 Sec.	
Insulation level	

Temp. Rise over ambient at normal current	
Operating duty cycle	
Single Phase Capacitor Breaking capacity	
Three Phase Capacitor Breaking capacity	

	Line Charging Breaking capacity	
	Cable Charging Breaking capacity	
	Minimum phase to phase clearance	
	Minimum phase to ground clearance	
	Type of operating mechanism	
	Closing time	
	Opening time	
	Mechanical Endurance capacity	
	Electrical Endurance capacity	
	Operating mechanism	
	Type of isolation	
	Details of mechanical interlock provided	
	Interchangeability between I/C, Feeder & B/C (Yes/No)	
	No. contacts in Aux. Switch (NO &NC)	
	No. contacts in Limit Switch (NO &NC)	
6.	Vacuum Bottle	
	Make	
	Rated voltage	
	Type and model no.	
	Normal current	
	Breaking capacity	
	Making capacity	
	STC for 3 Sec.	
	Maximum contact separation length	

	Minimum Mechanical life in no. of operation	
	Minimum Electrical Life in no. of operation at rated normal current	
	Minimum Electrical Life in no. of operation at rated full short circuit current	
	Power frequency withstand voltage (dry)	
	Impulse withstand voltage	
	Contact material	
	Type of plating	
	Contact pressure	
7.	Current Transformer	
	Make	
	Reference Standard	
	Type	
	Rated voltage	
	Rated frequency	
	Insulation level	
	Continuous over load in %	
	Class of insulation	
	Ratio	Incomer : Transformer: Outgoing :
	Class of accuracy	Incomer : Transformer: Outgoing :
	Burden	Incomer : Transformer: Outgoing :
	STC for 1 Sec.	
	ALF of Protection core	

	ISF of Metering Core at lower ratio	
	Core identification	
8.	Potential Transformer	
	Make	
	Reference Standard	
	Whether withdrawable Type (Yes/No)	
	Insulation level	
	Type of insulation	
	Winding connection	
	Rated voltage	
	Class of insulation	
	Ratio	
	Class of accuracy	
	Burden per Phase	
	Core identification	
	Over Voltage Factor	
	Installation Position	
	Primary Fuse rating	
9.	Terminal connector	
	Make	
	Type	
	Size	

10.	Trip & Close coils	
	Voltage & Wattage of Closing coil	

	Voltage & Wattage of Tripping coil			
11	Control wire			
	Make			
	Voltage Grade			
	Size			
	i) CT Circuit			
	ii) PT Circuit			
	iii) Other Circuit			
	Colour			
12.	Earth Bus			
	Material			
	Shape			
	Size			
	Current rating			
	Current density			
	Type of plating			
13.	Adaptor cable box arrangement for 33 KV Power Cable to Station Service Transformer.			
14.	Painting Details			
	Surface cleaning process			
	Paint thickness			
	Paint shed			
15.	Shipping dimension of equipment (mm)	Height	Width	Depth
16.	Lifting Hooks provided (Yes/No)			

17.	Accessories	
	Spring Charging Handle (no.)	
	VCB Operating Handle (no.)	
18.	Guarantee of the complete equipment (in years)	