

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
ISRO TELEMETRY TRACKING & COMMAND NETWORK (ISTRAC)
BANGALORE**

**Tender for Supply, Installation, Testing & commissioning of 500kVA
DG set at ISTRAC Ground Station, Port Blair.**

Bids to be submitted online

Tender No.: ISTRAC/ISTRAC PURCHASE/TR202100002101 dated 04-08-2021

A. Tender Details

Tender No :	ISTRAC/ISTRAC PURCHASE/TR202100002101
Tender Date :	04-08-2021
Tender Classification:	GOODS
Purchase Entity :	ISTRAC PURCHASE
Centre :	ISRO TELEMETRY TRACKING & COMMAND NETWORK (ISTRAC)

Procurement of Supply, Installation, Testing & commissioning of 500kVA DG set at ISTRAC Ground Station, Port Blair.

Note: 1) This is a Dual Part Tender. Please submit your Offers separately for Technical and Price Bid under relevant Template. Please upload Price Bid under Price Bid only and nowhere else. If price is mentioned anywhere other than Price Bid, your offer will not be considered. 2) Please provide your compliance separately for (a) Performance Bank Guarantee Clause (b) Liquidated Damages Clause (c) Security Deposit Clause. (d) Certificate of Undertaking. 3) The Technical Bid and Price Bid Opening Date and Time is tentative only. Actual bid opening date and time will be intimated separately.

A.1 Tender Schedule

Bid Submission Start Date :	04-08-2021 10:16
Bid Clarification Due Date :	13-09-2021 17:00
Bid Submission Due Date :	19-09-2021 17:00
Bid Opening Date :	20-09-2021 10:00
Price Bid Opening Date :	22-09-2021 10:00

B. Tender Attachments

Technical Write-up/Drawings

[Document : Approved list for AMF Panel](#)

[Document : Approved list for Electrical Items](#)

Instructions To Vendors

3. INSTRUCTIONS TO TENDERERS FOR ONLINE SUBMISSION OF TENDERS THROUGH E-PROCUREMENT SYSTEM

1. Conditions for online submission of tenders:

- a) It is mandatory for interested parties to register as vendors in our e-procurement portal <https://eproc.vssc.gov.in/home.html> for participating in online eProcurement process of ISRO. Only registered vendors can submit their offers online in our eProcurement portal.
- b) Vendors who are already registered in the existing EGPS software of ISRO, please register by clicking the link in the email you would have already received from 'eproc@vssc.gov.in'. After registration, do the profile update by login to this portal.
- c) For new vendors, who are not registered in the existing EGPS software, vendor registration will be released along with the portal release. To register as vendors please refer to the help demos listed on the home page of the e-procurement link mentioned above. They may approach help desk (contact details provided on the home page) for any technical help for registration and subsequent process.

2. a) Bidders shall arrange themselves all resources, including Digital signature certificates and Internet Connections at their own cost, for participating in online tendering.

- b) Vendors can download the tender details and submit their offers online using their vendor accounts (obtained during registration) in our portal. Help demos for tender download and bidding processes are given on home page.
- c) The tender should be submitted online in the ISTRAC link before the due date and time as specified in the tender schedule in the portal.
- d) Vendors shall also take note of other Instructions to tenderers indicated in the tender documents.

3. Procedure for seeking clarifications/help for the tender:

- a) All enquiries regarding the tenders and submission of offers shall be online and only through our eProcurement portal.
- b) Vendors may approach help desk e-mail id and phone number given on the home page for any technical help (e-mail: eproc@vssc.gov.in and Phone: +91471 2565454/4574/2527/3753/3289).

4. ISTRAC shall not be responsible for failure of vendors in submitting bids online caused due to technical reasons at vendor end such as network or power failures, computer failure, internet-browser, mistakes / errors in filling the bids on line by vendor etc.

5. Queries by vendors on technical problems on the last day of tender will not be binding on ISTRAC/ISRO for resolving/addressing. ISTRAC will not be responsible for non-submission of bids for those cases.

4. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER

1. PRICES: Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

2. a) Your offer should be valid for 120 days from the date of opening of the tender. b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

3. The term Purchase Order shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

4. Please provide your compliance for Security Deposit, Performance Bank Guarantee and Liquidated Damages Clause.

5. CUSTOMS DUTY : This office is eligible for Concessional Customs Duty @ 5.5% against Ministry of Finance, Department of Revenue, Government of India, vide Customs Notification No.51/96-Cus Dated 23-07-1996 (Sl.No.1) and amended under Notification No.93/96 dated 11th December 1996 and 24/2002 dated 01-03-2002

6. GST : This office is eligible for Concessional GST @ 5% against Ministry of Finance, Department of Revenue Notification No. 45/2017, Central Tax (Rate) and No. 47/2017, Integrated Tax (Rate) dated 14-11-2017.

7. It is to be noted that either Customs Duty or GST is applicable (any one)

8. If the IGST is applicable, the same will be reimbursed if it is reflected in Bill Of Entry. Proof shall be provided while claiming payment.

9. SECURITY DEPOSIT: Wherever, the Purchase Order value is Rs. 5.00 Lakhs or more, on acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding ten percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, 'Security' and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause regarding Delivery. (b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

10. Sales Tax and/or other duties/levies legally leviable and intended to be claimed should be mentioned in the price bid template. If nothing is mentioned, then it will be presumed that the rate quoted is inclusive of all taxes/duties.

11. TERMS & CONDITIONS OF TENDER

12. TEST CERTIFICATE: Wherever required, test certificates should be sent along with the despatch documents.

13. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.

14. The authority of the person signing the tender, if called for, should be produced.

15. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

16. a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.

(d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes

to specifications with appropriate response for the same.

17. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

18. The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of Stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.

19. The term Purchaser shall mean the President of India or his successors or assigns.

20. The term "Stores" shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.

21. ACCEPTANCE OF STORES: (a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost. (b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final. (c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor. (d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

22. REJECTED STORES: Rejected stores will remain at destination at the Contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

23. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.

24. DESPATCH: The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear

Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

25. PACKING FORWARDING & INSURANCE: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

26. GUARANTEE & REPLACEMENT: (a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance. (b) Warranty shall be for the period mentioned in the tender document. After the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within the warranty period, by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty. (c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of warranty from the date of acceptance thereof. (d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores. (e) The decision of the Purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the Purchaser, as to whether or not the Stores supplied by the Contractor are defective or any defect has developed within the said period of warranty or any other period or as to whether the nature of defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor. (f) To fulfill guarantee conditions outlined in (a) to (e) above, the Contractor shall, at the option of the Purchaser, furnish a Bank Guarantee (as prescribed by the Purchaser)

27. SETTLEMENT OF DISPUTES : Except as otherwise specifically provided in the contract, all disputes concerning question of fact arising under the Contract shall be decided by the Purchaser subject to a written appeal by the Contractor to the Purchaser whose decision shall be final to the parties hereto. Any disputes or differences including those considered as such by only one of the parties arising out of or in connection with the Contract shall be, to the extent possible, settled amicably between the parties. If amicable settlement cannot be reached, then all disputes shall be settled by arbitration.

28. ARBITRATION : All disputes, differences, claims and demands arising under or pursuant to or

touching this agreement shall be referred to Arbitration of a sole Arbitrator to be appointed by the Director, ISTRAC, whose decision/award will be final and binding on both the parties. Such arbitration shall be held in Bangalore and shall be subject to and governed by the provisions of the Arbitration and Conciliation Act of 1996 or any statutory modification or re-enactment thereof. The language to be used in Arbitration is English only.

29. JURISDICTION : The contract/ purchase order shall be governed by an interpreted and construed in accordance with the laws of India. The courts situated at Bangalore only shall have jurisdiction to deal with and decide any legal matter or dispute arising out of contract/ purchase order.

5. CERTIFICATE OF UNDERTAKING

1. GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
ISTRAC, BENGALURU: 560 058.

2. Subject: Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs) 2017 - reg.

3. REQUIREMENT OF REGISTRATION:

4. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. (Competent authority is : DEPARTMENT FOR PROMOTION OF INDUSTRY AND INTERNAL TRADE (DPIIT).

5. BIDDER (including the term tenderer, consultant or service provider in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

6. Bidder from a country which shares a land border with India for the purpose means:

- (a) An entity incorporated, established or registered in such a country; or
- (b) A subsidiary of an entity incorporated, established or registered in such a country; or
- (c) An entity substantially controlled through entities incorporated, established or registered in a such a country; or
- (d) An entity whose beneficial owner is situated in such a country; or
- (e) An Indian (or other) agent of such an entity; or
- (f) A natural person who is a citizen of such a country; or
- (g) A consortium or joint venture where any member of the consortium or joint venture falls under any of

the above.

7. The beneficial owner for the purpose of (6) above will be as under:

8. i) In case of a company or Limited Liability Partnership, the beneficial owner is a natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

9. Explanation:

(a) Controlling Ownership interest means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company;

10. (b) Control shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

11. ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.

12. iii) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.

13. iv) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.

14. v) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

15. An AGENT is a person employed to do any act for another, or to represent another in dealings with third person.

16. A certificate from the bidder shall be enclosed along with their quotation (Technical bid) as per the format enclosed.

17. (TO BE PRINTED ON THE LETTER HEAD OF THE VENDOR)

18. CERTIFICATE

19. Ref:Tender No _____ date _____

Our Quotation No. _____ date _____

20. (i).I/WE _____ read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I / We _____ Certify that this bidder is not from such a country.

21. OR*

I/We _____ read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India.

22. I / We _____ Certify that this bidder is from such a country and registered with the Competent Authority (i.e. Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). Copy of Registration Certificate is enclosed.

23. (ii).I/We hereby confirm that the country of origin of goods is _____

24. (iii).I/We _____ hereby undertake that if the Certificate is found to be false at any given time ISRO/ISTRAC may treat this as a ground for immediate termination and further legal action in accordance with law can be initiated.

25. SIGNATURE:

26. NAME:

27. DESIGNATION:

28.

COMPANY NAME AND SEAL:

29. (* Strike out whichever is not applicable).

C. Bid Templates

C.1 Technical Bid - Supply, Installation, Testing & commissioning of 500kVA DG set at ISTRAC Ground Station, Port Blair.

1. DG set

Item specifications for DG set

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply, installation, testing and commissioning of 500kVA, 415V, 50 HZ, 3 phase, 4 wire diesel generator set enclosed inside a suitable acoustic enclosure. Diesel engine shall be complete with necessary controls and safety devices conforming to	1 set	Yes / No / Explain		
2	relevant ISS/BSS with latest amendments. Diesel Engine shall be suitable for Prime duty operation of generator set duty inclusive of fly wheel, flexible coupling, air cleaner, corrosion resistor, radiator, fan with guard, fuel pump, fuel filter,		-		
3	Electronic governor, electrical starting system with starter, 24V battery, voltage regulator, instrument panel, kwh meter with RPM indicator, Exhaust silencer, protections against low lubrication oil pressure,		-		

4	high water temperature. Alternator shall be 415V, 3phase, 50Hz, 4 wire, 0.8 power factor self-excited, self-regulated, brushless type, drip proof conforming to IS: 4722 with latest amendments.		-		
5	The engine and alternator shall be coupled over a sturdy common base frame. Floor mounted, dust & vermin proof, indoor type Auto Main failure Control panel shall be consisting of Air circuit breaker (ACB) of 800A, 50 KA.		-		
6	ACB shall have electric motor operated, spring charging mechanism, drawout type with combined overload and earth fault protective relays/releases, voltmeter with selector switch, ammeter of suitable range with selector switch, frequency meter,		-		
7	Energy meter, CTs, indicating lamps with fuse and switch control, complete with necessary inter connections fuses, labels and other accessories.		-		
8	990 Ltrs capacity Day fuel tank apart from built in fuel tank in the Accoustic enclosure if any, with necessary fuel hoses to the engine flowmeters, including supply of lube oil, coolant for DG set.		-		

9	Installation, Testing and commissioning as per relevant IS Specifications in all respect to make the DG set functional as required and as directed by Engineer-in-charge. All detailed specification as per Annexure-I & Annexure -II and as required.		-		
10	The rate is exclusive of supply and installation of necessary exhaust stack, exhaust pipe, chimney, power cables, earthings, earth strips, etc.		-		
11	Note:- 1) All DG sets shall be Air cooled type. 2) 800A,50KA Air circuit breaker (ACB) having door interlock with E/F, O/L protections, shunt trip release and Aux. contacts shall be provided in the AMF control panel.		-		
12	3) The engine shall have turbo charged aspiration. 4) Reverse power relay shall be provided in the control panel. 5) The engine shall have turbo charger with after cooling.		-		
13	6) The DG set should have acoustic enclosure suitable for outdoor mounting, for rating as approved by Central Pollution Control Board (CPCB). 7) Safety equipment's like fire extinguisher, fire buckets filled with sand, fire fighting water hose,		-		

14	1 No. first aid kit, 1 No. shock treatment chart shall be provided with DG set.		-		
15	8) All necessary approvals taken by the contractor only.		-		
16	9) Initial charging of the batteries and providing battery stand are in the scope of contractor only.		-		
17	10) Transport, Unloading, shifting & positioning of DG set & Standard control panel to be in contractor scope.		-		
18	11) Foundations details for DG set and exhaust stack shall be provided by contractor and same will be done by department.		-		
19	12) Providing necessary bed plates, foundation bolts and templates for the exhaust stack foundation shall be in the scope of contractor.		-		
20	13) All control cabling from proposed DG to control panel or else where required to make system functional shall be provided by contractor.		-		
21	14) supply and fixing of anti-vibration mountings of suitable capacity in an approved manner in scope of contractor.		-		
22	EXHAUST SYSTEM ACCESSORIES:		-		

23	Supply and installation of 250 mm dia (NB) exhaust pipe of thickness not less than 5 mm thick with supply of all required materials complete as required.	15 m	Yes / No / Explain		
24	Supply and installation of 250 mm dia (NB) MS bend with all necessary accessories.	2 No.	Yes / No / Explain		
25	Providing thermal insulated mineral wool / rock wool of min 50 mm thick, lagging with chicken mesh and 24 gauge aluminum cladding over the 250mm dia (NB) exhaust pipe including supply of all required materials complete as required.	17 m	Yes / No / Explain		
26	Providing insulating material 50 mm thick glass wool and cladding of 24 gauge aluminum cladding for hospital grade silencer of 500 KVA DG set including supply of all required materials complete as required.	1 No.	Yes / No / Explain		
27	Supply & Installation of 250 mm dia (NB) Y joint to connect the exhaust pipe including supply of all required materials complete as required.	1 No.	Yes / No / Explain		
28	Providing insulating material 50 mm thick glass wool and cladding of 24 gauge aluminum cladding sheet on above Y joint including supply of all required materials complete as required.	3 m	Yes / No / Explain		

29	Note: Exhaust system to be made functional as necessary and as required according to CPCB norms at Port Blair.		-		
30	EXHAUST PIPE SUPPORT & CHIMNEY		-		
31	Design, manufacture, supply, installation, testing and commissioning of self supporting MS Structure with base plate, high tension foundation bolts with double nuts for foundation.	6000 kg.	Yes / No / Explain		
32	Structure joints it will be bolted with 4.6 Grade GI Coated MS bolts. The structure will be painted with double coat of aluminium paint to accommodate one number 10" Pipe; as common chimney of height - up to 30 mtrs suitable for 500 kVA,		-		
33	415V DG sets (Height of chimney shall be as required by pollution control board) Exhaust Chimney of up to 30 mtr height with exhaust gas flow, exhaust gas velocity & wind pressure suitable for Port Blair (Andman & Nicobar) condition.		-		
34	Supply & installation of Single piece Aviation warning light with cast aluminium housing 6 Watt LED lamp and polycarbonate dome special luminaire along with fixing accessories like 3C X 2.5 sq mm, 1.1KV grade, XLPE insulated, and overall sheathed,	1 No.	Yes / No / Explain		

35	stranded Copper conductor of around 100 mtr length and their end termination . The luminaire shall be fixed on top of chimney with suitable box with all other accessories complete as required and as directed by EIC.		-		
36	Supply and installation of vertical lightning hollow sphere with spikes and 25 mm dia copper tube or 15/8mm dia copper rod air terminal rigidly fixed on AC sheet /RCC roof as	1 No.	Yes / No / Explain		
37	required including supply of all fixing materials, cutting, welding, grouting, water proofing the roof around the base complete as required as directed by EIC.		-		
38	FUEL SYSTEM: Supply & Installation of 40mm dia Class 'C' MS pipe including necessary valves and accessories required for the supply lines from existing fuel pipe line to the day fuel tank of the DG set.	50 m	Yes / No / Explain		
39	The pipe shall be painted with primer over which 2 coats of approved color paint shall be applied, supply of fixing accessories, control valves, necessary piping accessories, necessary supports,		-		

40	plastic emulsion painting and all required materials complete as required. Scope is inclusive of inter connection with existing fuel pipe line including supply all necessary materials required.		-		
41	Supply of 3.5Cx300sqmm, 1.1KV grade, XLPE insulated, and overall sheathed, stranded aluminium conductor, flat steel strip/ wire armoured cables conforming to IS: 7098/ Part I (with latest amendments). The cable shall bear ISI certification mark.	120 m	Yes / No / Explain		
42	Laying of 3.5Cx300sqmm, 1.1 kV grade XLPE cables armoured aluminum conductor cable in existing trench/on cable tray, on wall/floor/ceiling/ above	120 m	Yes / No / Explain		
43	false ceiling / below false floor / existing Hume pipe / existing HDPE pipe including transportation of cable to site, removing of trench / false ceiling/		-		
44	false flooring covers and reclosing the covers after laying the cables in good condition with supply of all necessary materials such as brackets, clamps, MS/GI spacers complete as required and as directed by EIC.		-		

45	Providing end terminations for 3.5Cx300sqmm, 1.1kV grade XLPE insulated armoured Aluminum conductor cables including supply of cable gland,	6 no.	Yes / No / Explain		
46	lugs, neoprene bushes and other materials and tolls required complete with terminal connections, earthing of glands and as required and as directed by Engineer-in-charge.		-		
47	GI Pipe Earthing: Providing 3.5mtr long, 40mm dia GI standard pipe earth for earth stations with GI medium class (Class B) GI pipe with ISI marking, conforming to IS: 3043 with latest amendments and as per drg.no. CED/ELE/S/3 and including	4 No.	Yes / No / Explain		
48	excavation and refilling of earth and supply of all materials and providing chamber with necessary civil works using good quality bricks, sand etc. with a cover plate made of GI for the chamber with all necessary materials complete as required.		-		
49	Copper Plate Earthing:- Providing standard plate earth for earth station with 600x600x3.15mm electrolytic tinned copper plate at 3.5 mtr depth, conforming to IS:3043 with latest amendments, including excavation and	4 No.	Yes / No / Explain		

50	refilling of earth and supply of all materials and providing chamber with necessary civil works using good quality bricks, sand etc. with a cover plate made of GI for the chamber with all necessary materials complete as required. (For DG neutral)		-		
51	Supply and laying following sizes of GI/Cu, Wire/strips including supply of fixing clamps and accessories when laid inside the building and inclusive of excavation and refilling of earth when laid outside the building and interconnections with		-		
52	earth pit and equipment, terminations / interconnections in an approved manner as per IS 3043 (with latest amendments) inclusive of supply of all hardwares complete as required and as directed by engineer -in-charge.		-		
53	50 x 6 GI. strip (for body earthing)	30 m	Yes / No / Explain		
54	25 x 6 Cu strip (for neutral Earthing)	60 m	Yes / No / Explain		
55	25 x3 GI Strip (For Lightning Arrester of Exhaust System connected with existing pit)	100 m	Yes / No / Explain		
56	8 SWG CU Wire(for cable gland earthing)	100 m	Yes / No / Explain		

57	Supply & fixing of High voltage insulation Mat, suitable for 3.3KV class-A voltage levels with 2 mm thickness with necessary secured grips as per IS: 15652:2006 with ISI certificate mark of Std. 1 Mtr. Width.	2 m	Yes / No / Explain		
58	Supply and coating of Fire Resistant Compound of water based thermoplastic resin, Flame Retardant chemicals and inorganic incombustible fibres for coating on the cables to withstand severe fires and prevent propagation along horizontally and vertically	1 Kg.	Yes / No / Explain		
59	laid cables on wall or on cable trays under high temperature conditions, complete as required and as directed by EIC. (to be coated on the cable for 1.5 mtr. length from end terminations and 1 mtr. length for every 10 mtr. interval of exposed cable)		-		

Document : AMF Panel

Document : DG set Specification

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Attached in documents section.		-		

Supporting Documents required from Vendor

1. 7. Catalogue of offered DG set shall be submitted.

- 2. 6. Guranteed Technical Particular of Annexure-I shall be fully filled and to be uploded.**
- 3. 4. Valid electrical license of appropriate category.**
- 4. 9. A list of completed & Ongoing works indicating value of work, date of completion, extension of time etc.,**
- 5. 8. Company Profile with details.**
- 6. 1. Documentary proof for having executed the work of similar nature (Supply, Installation, testing and comissioning of DG sets.**
- 7. 11. Seal and Signed copy of List of approved makes for Electrical works & List of Approved LT Panel Board Manufacturers to be uploded.**
- 8. 10. All the uploded documents to be sealed, signed and to be uploded.**
- 9. 5. Seal and signed copy of attached Annexure-I & II shall be uploded.**
- 10. 3. Completion certificate for works issued by private parties shall be supported by TDS (Tax Deducted at Source) certificates.**
- 11. 2. Completion certificates issued by the authority concerned to establish work experience.**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	After pre-dispatch clearance only DG set shall be supplied.	Yes / No / Explain	
2	Payment Term	Yes / No / Explain	
3	Taxes and other costs, if any	Yes / No / Explain	
4	Delivery Period	Yes / No / Explain	
5	Delivery Term	Yes / No / Explain	
6	Security Deposit: FD or BG for 03 % of PO value to be submitted after receipt of PO and valid till supply & acceptance.	Yes / No / Explain	
7	Performance Bank guarantee : BG for 03 % of PO value to be submitted while claiming payment valid till end of warranty period with a claim period of 60 days.	Yes / No / Explain	
8	(OR) SD-cum-Warranty (PBG) (in lieu of SD & PBG as a single instrument): BG for 03 % of PO value to be submitted after receipt of PO valid till end of warranty period with a claim period of 60 days.	Yes / No / Explain	
9	Delay in completion/Liquidated Damages: A sum of 0.5% undelivered portion of Po for each week of delay or part thereof. Total LD shall not exceed 10% PO value.	Yes / No / Explain	
10	Warranty	Yes / No / Explain	
11	Validity	Yes / No / Explain	
12	Name and Address of the company on whom purchase order to be place.	Yes / No / Explain	

13	Certificate of Undertaking: Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods or services (including consultancy services and non consultancy services) or works (including turn-key projects) only if the bidder is registered with the Competent authority (i.e. DPIIT). Hence, it is mandatory to furnish Certificate of Undertaking as indicated in the tender document.	Yes / No / Explain	
14	Any other terms	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	DG set	1.00 Sets		-		

Common charges (Applicable for all items)

P&F Charges	
Freight Charges	
Installation Charges	
Documentation & Handling Charges	
Other Charges (If any)	