

Information to Bidders

Additional Terms and Conditions for Supply, Installation and commissioning of Power Generator - DG Set 15 KVA for RailTel PoP at Mokama of Patna Territory

GEM Bid No. GEM/2024/B/5650557

Dt. 26.11.2024

TReDS feature is available	Yes, on m1xchange portal, (URL: https://www.m1xchange.com)
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1. The item/items in this bid should be quoted as per the technical specifications. The details of the specifications along with consignee/site details are also available in Annexure-I and Annexure-VI.
2. The bidder should be either OEM or his authorized dealer/distributor/partner/trader.
3. OEM or Authorized dealer/ distributor/ Partner/ Trader authorized by OEM specific to this bids should have a registered office in India to provide sales and 24x7 support in India. The certificate to this effect should be submitted.
4. DG Set offered shall have complete data sheets and detailed description on OEM websites. Bidders are required to submit duly filled and signed Technical compliance of the DG Set offered in Annexure-I, failing which the bids may be rejected. All the Technical specification outlined in the ATC will prevail over the GEM
5. GSTIN ID of vendor should be provided from where goods will be supplied.
6. **Delivery Period & Consignee:**
 - 6.1 Delivery Period : The bidder has to complete the supply, installed & commissioned within 60 days from the date of issue of confirmed PO. If material is not supplied within the approved delivery period then penalty of 0.5% of undelivered quantity per week or part thereof for the undelivered portion of SOR subject to the maximum to the 10% of the contract value will be levied.
 - 6.2 **Consignee** : Refer Annexure-VI
 - 6.3 **Inspection** :
 - 6.3.1 The supplier/mufacturer bidder will send inspection call letter to Purchaser' s representative the material is ready to be supplied and ready for inspection. The Inspection shall be carried out at supplier' s/Manufacturer' s premises by the Inspecting Authority.
 - 6.3.2 In case material/equipment fails during inspection, the fresh lot of same material/ equipment shall be offered without any extra cost, by the manufacturer/supplier. In such a case, total cost of re-inspection including travel, lodging & boarding of the inspecting officials shall be to manufacturer' s / supplier' s account/cost.

- 6.3.3 Inspection of the material including that of raw material if deemed required shall be conducted by representative authorized by RailTel at the firm's premises. The inspection shall be conducted by inspecting authority as per required test procedures /test plan for ensuring that the material offered meets the required specifications.
- 6.3.4 The material should be offered for inspection within four weeks of issue of purchase order. Travelling, lodging and boarding expenses of RailTel representative shall be borne by RailTel, but necessary facilities to carry out test / witness inspection shall be provided by the manufacturer/supplier, free of cost.
- 6.3.5 The manufacturer shall maintain stock register (receipt, issue and balance) and defect records for the raw material. The defect records shall be in standard formats and it shall be compiled on a daily/ weekly/ monthly basis and it shall be analysed. "NIL" Report shall be segregated from the accepted material. First-in First-out concept shall be implemented in foolproof manner. The batches of the raw material shall be identified and traceable. All relevant documents necessary to ensure trace-ability shall be maintained. The raw material shall be protected from direct exposure to sunlight, moisture, water ingress and heat etc.
- 6.3.6 Finished products shall be tested 100% by the factory QC personnel before being offered to RailTel for acceptance to ensure that it meets all quality requirements as per the relevant specifications. Duly filled in test formats indicating the results of such tests shall be submitted along with material offered for inspection to RailTel.
- a) Inspection of DG set shall be carried out as per specs at OEM premises.
- b) Any Inspection charges shall be borne by the bidder. No additional charges will be paid by the purchaser on account on inspection charges.

7. Estimated cost, Earnest Money Deposit/Bid Security:

7.1 Estimated cost Rs. 4,68,500/- (Incl. GST)

7.2 Earnest Money Deposit (EMD):

Not Applicable

7.3 RailTel is registered with m1xchange TReDS platform having buyer registration number "BUYER00001496". The URL for m1xchange platform is <https://m1xchange.com>. MSE suppliers/vendors are required to register themselves on m1xchange platform for availing the facility of bill discounting on TReDS portal. The bidder is mandatorily required to submit its TReDS registration number (as provided by m1xchange portal) and GRN (Goods/Service Receipt Note) Number (as provided by RailTel on delivery of Goods/Service) while submitting the invoices if requires to avail TReDS facility.

7.4 MSE vendor will bear all costs relating to availing the facility of discounting on TReDS platform including but not limited to Registration charges, Transaction charges for financing, Discounting charges, Interest on financing, or any other charges known by any name shall be borne by MSE vendor.

7.5 MSE vendor hereby agrees to indemnify, hold harmless and keep RailTel and affiliates, Directors, Officers, representative, agents and employees indemnified, from any and all damages, losses claims and liabilities (including legal costs) which may arise from

Sellers submission, posting or display, participation, in any manner, on the TReDS platform or from the use of Services from the Buyer's breach of any of the terms and conditions of the Usage terms or of this agreement and any applicable Law on a full indemnity basis.

- 7.6 RailTel shall not be liable for any special, indirect, punitive, incidental or consequential damages or any damages whatsoever (including but not limited to damage for loss of profits or savings, business interruption, loss of information), whether in contract, tort, equity or otherwise or any other damages resulting from using TReDS platform for discounting their (MSE Vendor's) invoices.
8. This bid complies with "Public Procurement (preference to make in India) Policy Order, 2017 or latest issued by DIPP and Public Procurement Policy for Micro and Small Enterprises (MSEs) order,2012" or latest issued by MoSME." The bidders claiming
9. **Security Deposit/ Performance Bank Guarantee:**
Not applicable

10 Eligibility Criteria:

10.1 Technical Eligibility of the Bidder :

The Bidder/OEM {themselves or through reseller(s)}, should have executed project for supply and installation /commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance Certificate issued by respective Buyer Organisation for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion.

Definition of similar work: The work of Supply/Supply & Installation of Diesel Generator Set for any Government department/State Government/PSU/ public listed companies/ reputed TELECOs (as per note below)

Note: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, PSU or any reputed Telecommunications company (TELCO), work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange (NSE) or Bombay Stock Exchange (BSE), incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.

10.2 Financial Criteria for Bidder:

The bidder should have minimum cumulative turnover of 150% of tendered value or above during the last 3 financial years (i.e. current year and/or three previous financial years). The bidder should provide Audited Balance Sheets / annual reports as documentary evidence and for current year, the Statutory Auditor's certificate for turnover of current year up to the date of bid opening for which Balance Sheet/P&L may not be available. In case of photocopy of Balance Sheet/P&L the same should be certified by Chartered Accountant as true copy.

10.3 Bidder should have authorization specific to this tender from respective OEM as per Annexure-II. If OEM directly participating in the bid, self-declaration in this connection required to be submitted.

1. In the specification wherever support for a feature has been asked for, it will mean that the feature should be available without RailTel requiring any other hardware. Thus, all hardware required for enabling the support/feature shall be included in the offer. The technical specifications are mentioned in Annexure-I.
2. In case of the bidder is Authorized dealer/ distributor/ Partner/ Trader authorized by OEM specific to this bid, a certificate from the OEM to this effect should be submitted as per the Annexure-II (MAF).
3. GSTIN ID of vendor should be provided from where goods will be supplied.
4. DG Set offered shall have complete data sheets and detailed description on OEM websites. Bidder shall provide duly filled and signed Technical Compliance of the offered DG Set, failing which the bid may get rejected.

11. Variation of Quantities at the Time of Award:

Not applicable

12 Warranty:

The DG Set is to be warranted for 24 Months from date of installation & commissioning. The tenderer shall warrant that stores to be supplied shall be new and free from all defects and faults in material, workmanship and manufacturing and shall be of the highest grade and consistent with the established and generally accepted standards of materials of the type ordered and shall perform in full conformity with the specifications and drawings.

The supplier shall be responsible for any defects that may develop under the conditions provided by the contract and under proper use, arising from faulty materials, design or workmanship such as corrosion, inadequate quantity of material to meet item requirements, inadequate contact protection, deficiencies in design and/ or otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser who shall state in writing in what respect the stores are faulty.

13. Payment Terms:

13.1 Payment will be done after submission of the following documents:

- i. Tax Invoice indicating inter alia description and specification of goods, quantity, unit price, total value etc.
- ii. Delivery Challan
- iii. E-way bill
- iv. Consignee receipt for receipt of goods in good condition
- v. Certificate of pre-dispatch Inspection by RailTel's representative/nominee
- vii. Warranty/ guarantee certificate of OEM
- viii. Not applicable
- ix. Transit Insurance Certificate
- x. OEM certificate for the ordered quantity/ material supplied as per specification.
- xi. Packing list
- xii. Transporters Receipt/Consignment Note
- xiii. Installation and commissioning report

100% value on full supply of material on receipt by the consignee, installation & commissioning at site duly inspected and accompanied with above mentioned documents.

13.2 Bill Passing & Paying Authority:

Bill passing Authority is TM/Sr. DGM/RailTel/Patna and bill paying Authority is Finance Head of Eastern Region. Bills to be submitted through RailTel's Bill Tracking System.

13.3 Any changes in the statutory taxes & duties during the contract period shall be on RailTel account with in the original DOC. Beyond DOC, changes in statutory taxes & duties shall be on RailTel's account only when the delay is an account of RailTel.

14 The tenderers shall submit a notarized affidavit on a non-judicial stamp paper stating that they are not liable to be disqualified and all their statement/documents submitted along with bid are true and factual. **Standard format of the affidavit to be submitted by the bidder is enclosed as Annexure-III. Non submission of a notarised affidavit by the bidder shall result in summarily rejection of his/their bid.** And it shall be mandatorily incumbent upon the tenderer to identify state and submit the supporting documents duly self-attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document. It will not be obligatory on the part of Tender Committee to scrutinize beyond the submitted document of tenderer as far as his qualification for the tender is concerned.

The RailTel (RCIL) reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the RailTel (RCIL), make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification by the RailTel (RCIL) shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the RailTel thereunder.

In case of any wrong information submitted by tenderer, the contract shall be terminated. Performance Guarantee (PG) of contract forfeited and agency barred for doing business on RailTel (RCIL).

15. Online submission:

The bidder is required to upload and submit the following documents online before due date & time of bid. The due date & time for closing of the bid as per GeM Bid and the bid will be opened as per GeM Bid.

- (i) EMD - Not applicable
- (ii) Clause wise compliance along with all mentioned documents/annexures for all clauses of GeM Bid and ATC (Information to bidder) documents.
- (iii) Data Sheet of offered item/equipment.
- (iv) Financial (Certified copies of audited balance sheets/annual reports of last three preceding financial years) and Technical Eligibility Criteria documents.
- (v) Technical Compliance of all Specification of items as per ATC documents.
- (vi) Proof of document required against Eligibility criteria of OEM and Bidder vide para -10 & 22.
- (vii) MAF/OEM Authorization as per **Annexure-II**.
- (viii) Notarized affidavit on a non-judicial stamp paper as per **Annexure-III**.
- (ix) **Power of Attorney:** Power of attorney **duly notarized** in favor of the signatory duly authorizing the signatory shall be submitted online before the due date and time of submission of the e-Tender. **Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender.**
- (x) NIL deviation declarations as per **Annexure- VII**.
- (xi) Self Certification under preference to "MAKE IN INDIA" Policy as **Annexure-VIII**.
- (xii) A certificate on their letter heads as per clause 20 of ITB (**Annexure-IX**) shall be submitted by the bidder.
- (xiii) The bidder should not have been blacklisted by Central Govt./State Govt./CPSU/any reputed Telecom service provider in India for the supply of material / security reasons. An undertaking by the Bidder on Company's letter head to be submitted.

16 Offline submission

The bidder is required to submit the following documents offline to RailTel Corporation of India Ltd., 19th Floor, Aurora Waterfront Building, Plot No. 34/1, Block GN, Sector-V, Salt Lake City, Bidhannagar, Kolkata-700091 within 07 days of opening of tender in a Sealed Envelope. The envelope shall bear the tender name and the tender number).

- a. Notarized Power of attorney in favor of the signatory duly authorizing the signatory.
- b. Format for Affidavit as per Annexure-III on non-judicial stamp paper of Rs.100/- regarding authenticity of the documents submitted/Information provided in the bid, Non submission of an affidavit by the bidder may result in rejection of his/their bid.

NOTE: The Bidder has to upload the Scanned copy of all above original documents as Bid-Annexures during Online Bid-Submission.

17 **Make in India:**

The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (or subsequent revisions, if any) by Department of Industrial Policy and Promotion, GoI shall apply to this tender to the extent feasible. Minimum Local Content for SOR items shall be 50% for purchase preference as per the Notification No. 18-10/2017-IP dated 29th August 2018 issued by Department of Telecommunications, Ministry of Communications or as per the latest notification. Bidder shall be required to give a self-certification in his bid that the item offered meets the local content and shall give details of the location(s) at which the local value addition is made. Bidder should submit Self Certification under preference to "MAKE IN INDIA" Policy as **Annexure-VIII**.

In case of any false declaration, action shall be taken in line with the provisions of the PPP-MIII order.

In cases of procurement for a value excess of Rs. 10 crores, the 'Class-I local supplier/ Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

18. **Insurance**

The Contractor shall take out and keep in force a policy or policies of insurance from the date, the delivery of material starts (including the transit portion) against all liabilities of the contractor or the Purchaser. The contractor shall take out and keep in force a Policy or policies of Insurance for all materials covered in schedule of requirement irrespective of whether used up in the portion of work already done or kept for the use in the balance portion of the work until such material are provisionally handed over to RailTel. The contractor should ensure the stores brought to site, against risks as required under the Emergency Risk (Goods) Insurance Act in force from time to time up to contract value.

It may be noted that the beneficiary of the insurance policy should be RailTel or the policies should be pledged in favor of RailTel. The contractor shall keep the policy/policies current till the item/equipment are handed over to the purchaser.

19. **Power of Attorney:**

Power of Attorney: Power of attorney **duly notarized** in favor of the signatory duly authorizing the signatory shall be submitted online before the due date and time of submission of the e-Tender. **Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender.**

Original copy is needed to be submitted by the successful bidder as per the clause-16 above.

20. **Restrictions under Rule 144(xi) of GFR, 2017:**

Any bidder from a country which shares a land border with India will be eligible to bid in this procurement, if the bidder is registered with the competent authority only, as per GoI guidelines. Office Memorandum F.No.6/18/2019-PPD dated 23.07.2020 by Ministry of Finance, Department of Expenditure, Public Procurement Division shall also apply to this tender. **A certificate on their letterheads as per Annexure-IX shall be submitted by all the bidders regarding**

their compliance with this order. If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law. Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order.

21 **Taxes & Duties:**

1. The price quoted in the offer should be firm, fixed indicating the breakup and inclusive of all taxes & duties like import, custom, Anti-Dumping, CGST, SGST, IGST, UTGST etc. The offer should be inclusive of packing, forwarding, freight up to destination, loading, unloading, insurance charges.
2. Bidder shall issue valid tax invoice to RailTel for availing proper credit of CGST/SGST/IGST/UTGST in case of award of Contract. GST will not be reimbursed in the absence of valid tax invoice.
3. For all the taxable supplies made by the vendor, the vendor shall furnish all the details of such taxable supplies in the relevant returns to be filed under GST Act.
4. If the vendor fails to comply with any of the above, the vendor shall pay to purchaser any expense, interest, penalty as applicable under the GST Act.
5. In case of incorrect reporting of the supply made by the vendor in the relevant return, leading to disallowance of input credit to purchaser, the vendor shall be liable to pay applicable interest under the GST Act to the credit of purchaser. The same provisions shall be applicable in case of debit/credit notes.
6. Tenderer shall quote all-inclusive rates, but there shall be break up of basic price and all type of applicable taxes such as SGST/CGST/IGST/UT GST along with respective HSN/SAC Code under GST Law (Including tax under reverse charges payable by the recipient).
7. Wherever the law makes it statutory for the Purchaser to deduct any amount towards GST at sources, the same will be deducted and remitted to the concerned authority.
8. The imposition of any new tax and/or increase/ in the aforesaid taxes, duties levies, after the last stipulated date for the receipt of tender including extensions if any and the bidder there upon necessarily and properly pays such taxes/levies/cess, the bidder shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of RailTel attributable to delay in execution of work within the control of bidder. The bidder shall, within a period of 30 days of the imposition of any such tax or levy or cess, give a written notice thereof to RailTel that the same is given pursuant to this condition, together with all necessary information including details of input credit relating thereto. In the event of non-payment/default in payment of any of the above taxes, RailTel reserves the right to with-hold the dues/payments of bidder and make payment to state/Central Government authorities as may be applicable. However, if the rates are reduced after the last stipulated date for receipt of tender, bidder has to pass on the benefits to RailTel.

22. **Other Particulars to be enclosed along with tender:**

Following details should also be enclosed along with the tender: -

- 22.1 Bidder (other than OEM) has to provide the MAF from OEM DG Set.
- 22.2 The DG Set offered by the bidder should have been satisfactorily working in any Govt. Organization, PSU or any TELCO or Public listed company as define under Note of clause 10.1 above for at least 12 months as on date of opening of tender

in India or abroad. The certificates from actual user/s have to be submitted for this purpose along with the bid. Scanned copies of documents to be uploaded on Portal <https://gem.gov.in>.

22.3 Performance statement of last three years for supply of same or similar items to Railways, BSNL, MTNL, Government PSU's & Telecom Service Providers. This Performance Statement is to be submitted in following format: -

Year	PO No & Date with description of item	Name of the purchaser	Qty. ordered	Date of delivery in the Purchase Order	Qty. Supplied within scheduled date of delivery	Qty. Supplied during 1 st extension	Qty. Supplied during 2 nd extension	Qty. Supplied during 3 rd extension
1	2	3	4	5	6	7	8	9

They may be deprived of any order against this tender if the information furnished is found to be incorrect later on. Correct status/supply position of pending orders, if any, should be invariably indicated. Supporting documents are to be enclosed. Photocopies of the supply/purchase orders along with the Inspection Certificates and Receipt Notes should be enclosed for ready reference, along with tender to substantiate their past performance.

Complete Tender documents duly signed & stamped on each page in token of acceptance should be submitted online.

- Note:** 1) The bidder is required to give acceptance of all the clauses of **GeM bid, ATC** and RailTel's Bid Specific **ATC** document. Any deviation / non-acceptance may lead to rejection of the bid.
- 2) Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on www.railtelindia.com and GeM portal only.
- 3) This bid is governed by the Specific Additional Terms & Conditions and General Terms & Conditions laid down by the GeM against **GeM Bid No: GEM/2024/B/5650557**
- 4) After opening of the bid no correspondence/submission of document made at the initiative of the bidder will be entertained. However, the purchaser can, if required, ask for clarifications in writing which need to be submitted before a target date. The clarifications submitted as required by the purchaser before the target date will be considered.
- 5) In case, if any contradiction between GeM Bid, Additional Terms & Conditions, RailTel's Bid Specific Additional Terms & Conditions and General Terms & Conditions, RailTel's Bid Specific Additional Terms & Conditions will prevail.

Annexure - 1

a. TECHNICAL SPECIFICATION FOR 15 KVA LIQUID-COOLED DIESEL GENERATOR (SILENT TYPE) (AS PER CPCB-IV+ NORMS)

1.1 Purpose

The purpose of this document is to provide specification for **15KVA single phase** liquid-cooled diesel generator set (silent type) (as per CPCB-IV+ norms) as an alternate power supply, proposed to be used for RailTel's DWDM/MPLS/STM-16/64 broadband unmanned telecommunication network installation.

1.2 STRUCTURE

The Diesel Generator set complete shall comprise of Diesel engine, Alternator and AMF Panel conforming to specifications for **15 KVA single phase** ratings as given below. Diesel engine and Alternator shall be close coupled or provided with flexible coupling and mounted on a base plate of robust construction. DG sets shall meet the requirements of environmental (protection) rules 1986 as laid down by Ministry of Environment & Forests read with GSR 371 (E) dated 17.02.02, GSR 520 (E) dated 01.07.03 and G.S.R. 215 (E), dated 15th March, 2011, GSR 804(E) dated 03rd November, 2022 under the Environment (Protection) Act, 1986) (as amended from time to time) in respect of emission norms for the Engine and in respect of noise level for the DG sets. All engines will generally conform to IS 10000/BS649/BS5514 or latest.

1.2.1 The tenderer should submit a copy of type approval certificate from CPCB / MOE&F / Authorized Agency approved by CPCB or MOE&F for emission norms.

1.3 Specification for Alternator, Diesel Engine and AMF Control panel.

1.3.1 Alternator:

(a) The Alternator shall be self excited and self regulated of specified KVA rating in single phase at 240/415 Volt, 50 Hz, 1500 RPM and 0.8 power factor and shall conform to IS:13364 (Part-1):1992(reaffirmed 2003) (up to 20 KVA) or IS:13364(Part2)/1992 (reaffirmed 2003) (above 20 KVA).

The alternators shall be of brush less type with VG-3 Grade or better grade of voltage regulation.

(b) The alternators shall be screen-protected drip proof with Minimum IP-23.

Degree of protection as per IS: 4691/85 (Reaffirmed 2004). The class of insulation of the Alternator would be 'H'. The rated voltage of Alternator will be 240V for single phase & 415 V for three phases.

1.4.2 Diesel Engine:

(i) Diesel Engine shall be liquid cooled, electric start developing required B.H.P at 1500 RPM with ELECTRONIC GOVERNING or better for alternator to deliver specified continuous KVA output at 0.8 PF lag at NTP conditions (all rating shall be tested at 0.8

PF lag). The Diesel Engine should be capable of providing 10% overload for one hour for every 11 hours continuous running at full load.

(ii) Naturally aspirated engines of rating up to and including 20 KW shall be ISI MARKED as per IS: 10,001/1981 (reaff 2006) or latest standards as applicable.

(iii) Naturally aspirated engines of rating above 20 KW shall conform to IS: 10002/1981 with Amdt 1 to 2.

(iv) The specific fuel consumption of engine shall be as per IS specification.

(v) The Diesel Engine shall be complete with the following accessories:

(a) Fuel tank with air breather, drain plug with capacity for 8 hours of continuous running at full load.

(b) Engine control Panel consisting of starting and stop switch Lube Oil temperature and pressure gauges, (liquid temperature gauge in case of liquid cooled engines), RPM indicator and hour meter.

(c) Safety controls to shut down the engine in the event of low lube oil pressure or high liquid temperature in case of liquid -cooled engines.

(d) Radiators.

(e) Exhaust silencer of Residential type.

(f) 12V or 24V starting system complete with starter motor, charging alternator and Cut-out.

(g) Sealed maintenance free battery of suitable ratings with connecting cables and the battery/ies shall conform to relevant IS Specification.

(h) Standard set of tools consisting of a set of 3 spanners, one screw driver, one standard plier and one nose plier of appropriate size shall be provided to the consignees along with DG sets, with no additional cost for each of DG sets.

The tenderer shall specify the fuel tank capacity, hourly consumption and minimum fuel level to be maintained.

1.5 AMF CONTROL PANEL (Microprocessor Based)

Automatic mains failure (AMF) control panel, where applicable, shall be able to start up the DG set and transfer the load on to the DG set on mains failure without requiring any human intervention. Similarly on restoration of mains supply, it shall be able to transfer the load to mains supply and switch off the DG set automatically.

The AMF panel shall be an enclosure with the IP-53 degree of protection confirming to IS/IEC 60947(Pt-1)/2007, fabricated from minimum 1.5 mm thick steel sheet duly pre-treated and aesthetically finished.

(a) Microprocessor based relay with composite meter for digital display of

- i) Generator voltage and AC Mains voltage.
- ii) Current in each phase.
- iii) Power Factor.
- iv) Frequency meter
- v) Energy meter
- vi) Three attempts engine start/engine cranking relay.
- vii) On -delay timer for load change over
- viii) On-delay timer for engine shut off
- ix) Over current /load relay.
- x) HOUR METER
- xi)PRESSURE GUAGE
- xii)HWT
- xiii)BATTERY VOLTMETER

Control panel should be provided with the following Instruments:

- Analog Voltmeter
- Analog ammeter to measure individual phase current.

(b) Mode selector switch for setting the panel on any one position such as off or auto or manual or test.

(c) Engine On-Off switch (Push button type)

(d) MCCB of suitable rating shall be provided.

(e) Rectangular aluminium bus bars (one number for each phase, neutral and Earthing

Terminal) of adequate ratings duly colour coded with heat shrinkable PVC sleeves (depending upon kva).

(f) Two contactors of suitable rating (one for DG set & one for AC mains) with over load Relay.

(g) Under-voltage relay for mains.

(h) Battery charger complete with voltage regulator, float or booster selector switch,

This will be in Addition to the battery charging alternator fitted on the engine.

(i) Instrument & Control Fuses.

(j) Five number indicating lamps to indicate 'mains ON', 'load on mains', 'set Running', 'load on set' and 'battery charger on'.

(k) Audio visual alarm for 'Low lubricating oil pressure', 'High liquid temperature', 'Start failure', 'Fuel low level in Main Tank', 'Generator emergency alarm' and 'DG over load'.

(l) Any other switch, instrument, relay or contactor etc. essential for smooth and trouble free functioning of DG set with AMF panel. (To be specified by the tenderers in their offer with complete details of the item).

Supplier shall furnish complete & satisfactory TTC for engines, alternators complete with enclosure to be used by them for rating of DG sets clearly indicating make, and model and ratings of the DG sets should be submitted along with tender document and pre-despatch inspection.

1.5.1 AMF control should have the following Operational features: -

- Engine fault auto-shutdown and reset.
- Mains sensing for over voltage and under voltage.
- Generator set operating.
- Load on generator
- Load on Mains
- Static Battery charger
- Horn

1.5.2 AMF should also have following features: -

- It should be able to select the generators operating mode: Off- Automatic- Manual and Test modes.
- It should be able connect the generator's voltmeter across single phase & neutral.
- It should be able to connect the frequency meter to check the diesel generator frequency.

1.5.3 AMF should contain Pushbuttons for the following features: -

- Emergency shutdown --Red Button.
- MCB to protect Alternator and Mains supply.

1.5.4 Following equipment will be fitted inside the AMF cabinet:

- 10A rated current static battery charger for automatic static battery recharge.
- Device for Automatic Generator Start up when AC Mains supply falls below a preset level. The starter circuit allows no. of start, when motor is locked in the fail to start mode.
- Two electrically and mechanically combined relays for diverting the load from mains to generator and vice versa. During the generator starting sequence, the load is connected to the generator only after the generator voltage is stabilized at the rated setting.
- DG set should start after predefined period in case of AC main supply failure. If AC supply failure continues for more than four hours, then DG set shall be switched off automatically. If AC main failure continues for a further period of 2

hours, the DG set will restart again. DG Run period and rest period should be configurable.

1.6.0 Device for automatic shutdown of the generator if the following fault occurs & gives audible alarms.

- Lube Oil pressure low.
- High coolant Temperature.
- Over speed.
- Fuel level below minimum specified level in main tank.

1.6.1. Each of the above emergency situations triggers a visual alarm and keeps the diesel generator out of service until the control circuit is re-established manually.

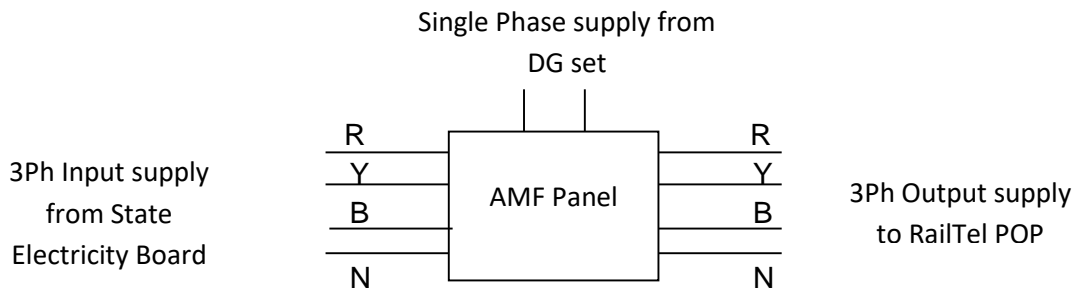
1.6.2 Current transformer connected to phase of the unit's line.

1.6.3 The panel should have potential free contact outputs for remote signalling for the following:

- Mains voltage out of limits.
- Failure to start
- Low lube oil pressure.
- Over speed.
- Fuel level low in main tank.

1.6.4 The panel should be fixed with input and output terminals. For identification – non-insulating stickers will be provided.

Note: For 15KVA single phase DG set ,Wiring should be for 3Phase as shown below.



2. TECHNICAL SPECIFICATIONS FOR ACCOUSTIC ENCLOSURE

1.0 Introduction

1.1 The acoustic enclosure shall be of modular construction with provision to assemble and dismantle easily. The proposed enclosure offered should have the approval of the Diesel engine manufacturer. The complete enclosure along with DG set should have the statutory approval of CPCB / MOE&F. A copy of the same should be enclosed. It should have the following features: -

2.0 Exhaust System

2.1 The exhaust gas should be taken out through a suitable flexible pipe to prevent any back pressure on the engine.

- 2.2 The residential silencer should be mounted inside the canopy.
- 2.3 The exhaust system should include exhaust pipe suitably supported.
- 2.4 Thermal insulation :The exhaust system and noise suppressor should be provided with thermal insulation to prevent excess heat radiation on the engine and safe for operator.
- 3.0 Noise Suppressor (Silencer)
 - 3.1 Absorption type Non Resistance Residential Silencer should be provided to suppress exhaust noise from the engine.
- 4.0 Surface Treatment – Painting/powder coating
 - 4.1 The enclosure surface should be suitably treated for Degreasing, Derusting and phosphating. High quality powder coating process as prevalent in the Industrial Practice shall be ensured.
- 5.0 Vibration insulation
 - 5.1 The engine and alternator shall be mounted on Anti-Vibration mounting pads to eliminate engine vibration.
- 6.0 Dimensions (L x B x H) should be suitable to house the AMF panel inside the enclosure.
- 7.0 All other requirements that are essential to make the DG set compliant to CPCB norms for noise reduction shall form part of the technical requirement. A copy of approval from CPCB for the acoustic enclosure should be enclosed.
- 8.0 CONSTRUCTION DETAILS
 - 8.1 The structure should be fabricated using CRCA sheets 1.6 mm thick outer skins and steel members.
 - 8.2 Base:**
 - 8.2.1 The enclosure integral with base frame should be of direct mountable type on the foundation.
 - 8.3 Doors:**
 - 8.3.1 Doors should be fabricated from MS CRCA 1.6 mm thick. Air tight with neoprene rubber gasket and heavy-duty spring loaded locks.
 - 8.4.1 Acoustic enclosure should be designed in such a way that no grouting is required on the ground, only level surface capable of withstanding the load may be provided.
 - 8.5 Acoustic Insulation:**
 - 8.5.1 Insulation material properly clamped/pasting should be provided on all doors, roof and sides to absorb noise.
 - 8.5.2 Sound attenuators / down stream silencers (Side louvers) should be provided at all openings for air inlet / outlet to facilitate free airflow but to absorb sound resulting in extreme low noise level.
 - 8.5.3 Detachable partitions, if required, are provided inside the enclosure to attain further noise attenuation of the engine.
 - 8.5.4 The acoustic insulation should achieve reduction in noise levels as per latest CPCB norms. A copy of approval from CPCB for the acoustic enclosure should be enclosed.

8.6 Inspection window:

8.6.1 A suitable glass window sealed with rubber gasket should be provided for viewing the metering the parameter of AMF Control Panel.

8.7 Ventilation:

8.7.1 To provide a suitable forced air circulation and ventilation system to maintain safe operating temperatures inside the enclosure, requisite air circulation for engine aspiration combustion and cooling should be provided for, in the design of the enclosure.

9.0 BATTERY

12V/24V DC SMF battery assembly of suitable capacity complete with all necessary connecting leads and terminals of Exide, Amaron, HBL make should be provided.

10.0 BASE FRAME

The base frame should be formed base plate providing common bed for engine and alternator directly coupled together. The base plate with cross member would form the part of sheet metal canopy. The Base frame should have provision of grouting on foundation bolts. Provision should also be made on the base frame for lifting arrangement of the complete DG Set with Canopy.

11.0 FUEL TANK

11.1 Fuel Tank should be fabricated out of 14SWG CRCA MS sheet and is part of base frame. It should be duly painted and fitted with inlet and outlet connections, air vent etc. complete with:

- Fuel Level Indicator (Electrical)
- Filler Cap with lock.
- Spill return
- Feed connection to engine valve
- Braided pipe for fuel connections

AVM Pads

Adequate nos. of KOEL/CORI or similar make AVMs between engine / alternator and the base plate, should be provided.

Note: Any materials/modifications required for satisfactory commissioning of DG set to be borne by the tenderer.

3. INSTALLATION AND COMMISSIONING OF DG SETS:

The responsibility for installing and commissioning of DG sets shall be that of the firm. The firm shall complete installation as per GeM Bid.

The scope of installation and commissioning shall be as follows:

1. Foundation:

Foundation shall be of PCC type with the ratio of 4:2:1. The length and breadth of the foundation shall be 300 mm more from the respective length and breadth of the DG set. The height of the foundation shall be 600 mm i.e. 300 mm below and 300 mm above the ground level.

2. Cable:

Armoured PVC sheathed Aluminium cable and its necessary laying and termination shall be done by firm. The current rating of the cables shall be as per table below. Total length of the power cable shall be 60 metres/site (approximately) for DG sets with AMF control panel its depending upon the requirement

DG set rating	Phase	Sq. mm	Core
15KVA	1	25	2

3. Earthing:

Supplying and installation of earthing material shall be done as per specification of GEM contract.

4. Installation of Fuel tank, battery charging, and battery connection.

5. Unloading and placement of DG set on foundation.

7. First fill of lube oil and all filters shall be provided by the firm.

8. The consumables provided by the firm cover the trial run of DG set as well. The firm shall conduct trial run of the DG set with the available electrical load at site. The trial run shall be for ONE hour. The available electrical load shall be less than or equal to the rated capacity of the DG set.

9. Exhaust piping, extra civil work, distribution board shall be provided by the tenderer.

a) Type approval certificate (TAC) for emission norms for EACH model/family of engine.

b) TAC from for noise level norms EACH model of DG set.

c) COP for EACH model of DG set and engine used in DG set.

4. **Warranty:** The materials are to be warranted for **24 months** from date of installation & commissioning.

Annexure-II

Dt. _____

Principal Executive Director,
Eastern Region,
RailTel Corporation of India Ltd.
19th Floor, Aurora Waterfront Building,,
Plot No. 34/1, Block GN, Sector-V,
Salt Lake City, Bidhannagar,
Kolkata-700091.

Subject: Manufacturer Authorisation form (MAF) to M/s for

Ref: GeM Bid No. GEM/2024/B/5650557 dated. 26.11.2024

Dear Sir,

We, M/s....., are established and reputed manufacturer and service provider of (products details), having our registered office at

We hereby authorise M/s (bidder name), Office to participate in bid and subsequently upon award of the bid to execute (Name of work) our range of products against your above said bid.

We further extend our warranty for months for our range of products offered by M/sagainst the above-said bid.

Thanking you,

Best regards,

Authorised Signatory

**FORMAT FOR AFFIDAVIT TO BE UPLOADED BY TENDERER ALONG WITH THE
TENDER DOCUMENTS**

(To be executed in presence of Public notary on non-judicial stamp paper of the value of Rs.100/-. The stamp paper has to be in the name of the tenderer)**

I..... (Name and designation)** appointed as the attorney/authorized signatory of the tenderer (including its constituents),

M/s. _____ (hereinafter called the tenderer) for the purpose of the Tender documents for the work of _____

as per the tender No. _____ of RailTel Corporation of India Ltd., Eastern Region, do hereby solemnly affirm and state on the behalf of the tenderer including its constituents as under:

- (i) I/We the tenderer (s) am/are signing this document after carefully reading the contents.
- (ii) I/we the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
- (iii) I/We hereby declare that I/We have downloaded the tender documents from electronic tender portal. I/We have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenderer's, execution of work or final payment of the contract, the master copy available with the RailTel Administration shall be final and binding upon me/us.
- (iv) I/We declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
- (v) I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.**
- (vi) I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents submitted by us.**
- (vii) I/We undersigned that if the certificates regarding eligibility criteria submitted by us are found to be forged/false or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender EMD besides banning of business for five years on entire RailTel Corporation of India Limited. Further, I/we (insert name of the tenderer) ** _____ and all my/our constituents understand that my/our offer shall be summarily rejected.**

- (viii)** I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect at any time after the award of the contract, it will lead to termination of the contract, besides any other action provided in the contract including banning of business for five years on entire RailTel Corporation of India Limited.

DEPONENT

SEAL AND SIGNATURE OF THE TENDERER

VERIFICATION

I/We above named tenderer do hereby solemnly affirm and verify that the contents of my/our above affidavit are true and correct. Nothing has been concealed and no part of it is false.

DEPONENT

SEAL AND SIGNATURE OF THE TENDERER

Place:

Dated:

** The contents in Italics are only for guidance purpose. Details as appropriate are to be filled in suitably by tenderer. Attestation before Magistrate/Notary Public.

Annexure - IV

PROFORMA FOR PERFORMANCE BANK GUARANTEE BOND

(Not Applicable)

Annexure -V

Note: Bidders exempted from submission of bid security are required to submit this form.

Bid Securing Declaration

(on Company Letter-head)

(Not Applicable)

Annexure – VI

Consignee Details/Delivery location

Sl. No	Name of the Territory	Consignee Address	Contact Person
1	Mokama	RailTel Corporation of India Ltd. Railway Signal Campus, (in front of Railway Hospital) Mokama – 803 302	Shri Partha Sarathi Middya, Field Engineer, Mokama, Bihar Mobile No. 7001533106.

**PROFORMA FOR Nil Deviation Component Compliance
Undertaking Letter**

(TO BE SIGNED BY BIDDER)

To,
Principal Executive Director/Eastern Region
RailTel Corporation of India Ltd.
19th Floor, Aurora Waterfront Building,
Plot No. 34/1, Block GN, Sector-V,
Salt Lake City, Bidhannagar,
Kolkata-700091

Dear Sir,

Sub: NIL Deviation Compliance for GeM Bid No. GEM/2024/B/5650557
Dt.26.11.2024

Over and above all our earlier conformations and submissions as per your requirements of the bid, we confirm that,

We will ensure our unconditional compliance of all the terms and conditions as mentioned in the Tender document. In case of any deviation, the same should be attached as an Annexure (as per Format given below) to this form. In case of any deviation, RailTel reserves the right to reject the bid without giving any justification.

Format of Annexure
(Deviation Statement)

S. No.	Clause No. & Chapter No.	Existing Clause of Tender	Proposed Clause	Remarks, if any

All the proposed items to be supplied as per SOR for the technical specifications as mentioned in Annexure-I of Bid.

We hereby certify that the items/materials mentioned in our offer are complete.

We confirm that there is no requirement of any other hardware and software to fulfil requirements as per scope against the bid. If any additional hardware and software is required to meet in scope requirements, then it would be provided by us at no extra cost to RailTel.

Place:

Date: Seal and signature of the bidder

(This Form along with Annexure (if required) should be on the letterhead of the bidder duly signed by an authorized signatory)

Annexure-VIII

Self Certification under Preference to “MAKE IN INDIA” Policy

CERTIFICATE

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s _____ (supplier name) are local supplier meeting the requirement of minimum Local content (50%) as defined in above orders for the material against Tender No _____

Details of location at which local value addition will be made is as follows:

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rule for which for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized Signatory

GUIDLINES REGARDING PROVISION FOR PROCUREMENT FROM A BIDDER
WHICH SHARES A LAND BORDER WITH INDIA

- I. 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 [The Competent Authority for the purpose of registration under this Order shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT)].
- II. "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.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Order 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 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.
- IV. The beneficial owner for the purpose of (III) above will be as under:
 1. In case of a company or Limited Liability Partnership, the beneficial owner is the 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. 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;
 - 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 share holders agreements or voting agreements;

2. 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;
 3. 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;
 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 5. 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.
- V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.
- VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

Certificate to be given by the Tenderer:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that I am not from such a country or, if from such a country, I have been registered with the Competent Authority. I hereby certify that I fulfill all requirements in this regard and I am eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Certificate to be given by Tenderer for Works involving possibility of sub-contracting:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that I am not from such a country or, if from such a country, I have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that I fulfill all requirements in this regard and I am eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Annexure – X

Check list

SN	Have you submitted the following documents?	Submitted/Complied or not	Page No/refno. of Offer
1	Proof of payment of EMD – Not Applicable		
2	Notarized Power of Attorney & resolution of Board of Directors as per Clause-19 of ITB.		
3	Signed Copy of GeM Bid & ATC/ Corrigenda		
4	Documents required as per eligibility criteria as per Clause-10 of ITB.		
5	Performance statement including Copies of Purchase Orders & Inspection certificates as per Clause-10 & 22 of ITB.		
6	NIL deviation declarations as per Annexure- VII		
7	The bidder should not have been blacklisted by Central Govt./State Govt./CPSU/any reputed Telecom service provider in India for the supply of material / security reasons. An undertaking by the Bidder on Company's letter head to be submitted		
8	A certificate on their letterheads as per clause 19 of ITB (Annexure-IX) shall be submitted by the bidder		
9	Bidder should have authorization specific to this tender from respective OEM as per Annexure-II of ITB		
10	Certificate of Local Content as per Annexure-VIII of ITB.		
