

**बिड दस्तावेज़ / Bid Document**

| बिड विवरण / Bid Details                                                                                                                                                                                                    |                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| बिड बंद होने की तारीख/समय / Bid End Date/Time                                                                                                                                                                              | 11-12-2025 10:00:00                                                                                                                                                                                                                                         |
| बिड खुलने की तारीख/समय / Bid Opening Date/Time                                                                                                                                                                             | 11-12-2025 10:30:00                                                                                                                                                                                                                                         |
| बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date)                                                                                                                                                | 90 (Days)                                                                                                                                                                                                                                                   |
| मंत्रालय/राज्य का नाम / Ministry/State Name                                                                                                                                                                                | Ministry Of Railways                                                                                                                                                                                                                                        |
| विभाग का नाम / Department Name                                                                                                                                                                                             | Indian Railways                                                                                                                                                                                                                                             |
| संगठन का नाम / Organisation Name                                                                                                                                                                                           | Southern Railway                                                                                                                                                                                                                                            |
| कार्यालय का नाम / Office Name                                                                                                                                                                                              | Southern Railway                                                                                                                                                                                                                                            |
| कुल मात्रा / Total Quantity                                                                                                                                                                                                | 1                                                                                                                                                                                                                                                           |
| वस्तु श्रेणी / Item Category                                                                                                                                                                                               | Power Generator - DG Set (up to 900 KVA) (Q2)                                                                                                                                                                                                               |
| एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / MSE Exemption for Years of Experience and Turnover                                                                                                      | No                                                                                                                                                                                                                                                          |
| स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Exemption for Years of Experience and Turnover                                                                                                | No                                                                                                                                                                                                                                                          |
| विक्रेता से मांगे गए दस्तावेज़ / Document required from seller                                                                                                                                                             | Certificate (Requested in ATC), OEM Authorization Certificate<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है / Do you want to show documents uploaded by bidders to all bidders participated in bid? | Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)                                                                                      |
| बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension                                                                                  | 1                                                                                                                                                                                                                                                           |
| दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended                                                                                                        | 7                                                                                                                                                                                                                                                           |

| बिड विवरण/Bid Details                                                                                                                                                                |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। /<br><b>Number of Auto Extension count</b>                                                                                              | 1                           |
| बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled                                                                                                                                   | No                          |
| बिड का प्रकार/Type of Bid                                                                                                                                                            | Single Packet Bid           |
| तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation                                                    | 2 Days                      |
| निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM) | Yes                         |
| Inspection to be carried out by Buyers own empanelled agency                                                                                                                         | Yes                         |
| Type Of Inspection                                                                                                                                                                   | Pre Dispatch                |
| Name of the Empanelled Inspection Agency/ Authority                                                                                                                                  | RITES                       |
| मूल्यांकन पद्धति/Evaluation Method                                                                                                                                                   | Total value wise evaluation |
| मध्यस्थता खंड/Arbitration Clause                                                                                                                                                     | No                          |
| सुलह खंड/Mediation Clause                                                                                                                                                            | No                          |

#### ईएमडी विवरण/EMD Detail

|                   |    |
|-------------------|----|
| आवश्यकता/Required | No |
|-------------------|----|

#### ईपीबीजी विवरण /ePBG Detail

|                   |    |
|-------------------|----|
| आवश्यकता/Required | No |
|-------------------|----|

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

#### एमआईआई खरीद वरीयता / MII Purchase Preference

|                                                                                                                                                                      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| एमआईआई खरीद वरीयता / MII Purchase Preference                                                                                                                         | Yes |
| मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में है / Purchase Preference to MII sellers available upto price within $L1+X\%$ | 20  |
| मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference                            | 50  |

|                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time) | Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|

#### एमएसई खरीद वरीयता/MSE Purchase Preference

|                                                                                                                                                                                    |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| एमएसई खरीद वरीयता/MSE Purchase Preference                                                                                                                                          | Yes |
| सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within $L1+X\%$ | 15  |
| सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference                                | 25  |

1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

2. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within  $L-1+ 15\%$  (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents

submitted.

### **3. Inspection of Stores by Nominated Inspection Authority / Agency of buyer or their authorized representatives**

An independent third party Professional Inspection Body can help buyer in mitigating buyer's risk with pre-dispatch/post-dispatch inspection in order to ensure that equipment, components, solutions and documentation conform to contractual requirements. The buyer has a right to inspect goods in reasonable manner and within reasonable time at any reasonable place as indicated in contract. Inspection Fee/ Charges (as pre-greed between buyer and Inspection Agency) would be borne by the buyer as per their internal arrangement but may be recovered from the seller if the consignment failed to conform to contractual specification and got rejected by the Inspection Officer. If so requested and accepted by the seller, initially seller may pay for inspection charges as applicable and get the same reimbursed from buyer if consignment accepted by the Inspecting Officer. For reimbursement seller has to submit proof of payment to Inspection Agency.

Seller/OEM shall send a notice in writing / e-mail to the Inspecting officer / inspection agency specifying the place of inspection as per contract and the Inspecting officer shall on receipt of such notice notify to the seller the date and time when the stores would be inspected. The seller shall, at his own expenses, afford to the Inspecting officer, all reasonable facilities as may be necessary for satisfying himself that the stores are being and or have been manufactured in accordance with the technical particulars governing the supply. The decision of the purchaser representative / inspection authority regarding acceptance / rejection of consignment shall be final and binding on the seller.

The Seller shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspecting officer may demand of him for any test, and examination, other than special or independent test, which he shall require to be made on the seller's premises and the seller shall bear and pay all costs attendant thereon.

The seller shall also provide and deliver store / sample from consignment under inspection free of charge at any such place other than his premises as the Inspecting officer may specify for acceptance tests for which seller/OEM does not have the facilities or for special/ independent tests.

In the event of rejection of stores or any part thereof by the Inspecting officer basis testing outside owing to lack of test facility at seller's premises, the seller shall, on demand, pay to the buyer the costs incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the Laboratory to private persons for similar work.

Inspector shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may like fit and proper as per QAP/governing specification. The seller shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspecting officer.

Unless otherwise provided for in the contract, the quantity of the stores or materials expended in test will be borne by seller.

Inspecting officer is the Final Authority to Certify Performance / accept the consignment. The Inspecting officer's decision as regards the rejection shall be final and binding on the seller.

The seller shall if so required at his own expense shall mark or permit the Inspecting officer to mark all the approved stores with a recognised Government or purchaser's mark.

### **Power Generator - DG Set (up To 900 KVA) ( 1 pieces )**

**(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)**

#### **तकनीकी विशिष्टियाँ /Technical Specifications**

[\\* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

| विवरण/Specification                         | विशिष्टि का नाम /Specification Name                                                                                                   | बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Generator INSTALLATION CONFIGURATIONS | <b>Power Generator installation configurations as defined in CPWD General Specifications for Electrical works - Part VII (DG Set)</b> | Fixed (Power Generators are permanently installed)"                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OUTPUT CAPACITY RATING/ PHASE               | <b>Nominal Rated Capacity (kVA)</b>                                                                                                   | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                             | No of Phase (Single Phase-3-5kVA) (Single Phase or Three Phase-5 & 7-5, 10,15, 20, 25, 30 & 40 kVA) (Three Phase-50 to 900 kVA)       | Three Phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ENGINE                                      | <b>Rated Engine Power (kWm)</b>                                                                                                       | 100 % of the required powered at STP(Standard Temperature Pressure) i.e equal to (Nominal Rated Capacity (KVA) of power generator + Any Auxiliary power Consumption by the Power generator) x Power factor(0.8) / Alternator efficiency, 110 % of the required powered at STP(Standard Temperature Pressure) i.e equal to (Nominal Rated Capacity (KVA) of power generator Any Auxiliary power Consumption by the Power generator) x Power factor(0.8) / Alternator efficiency Or higher |
|                                             | Type of Engine cooling                                                                                                                | Liquid Cooled                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                             | <b>Type of governer</b>                                                                                                               | Electronic Or higher                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                             | Number of cylinders (nos)                                                                                                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                             | <b>Rated RPM of Engine (RPM)</b>                                                                                                      | 1500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                             | <b>Fuel</b>                                                                                                                           | High Speed Diesel (HSD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                             | Starting voltage (volt)                                                                                                               | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                             | Salient Features of Engine                                                                                                            | Turbo Charged Engine, Naturally aspirated engine, Direct injection Fuel System, CRDi Fuel System, cold start upto (-20 deg c ), No derating applicable upto 4500 above MSL of altitude at 25 degree celcius, Indirect injection (IDI) Fuel System, Ambient working temperature upto 55 degree celcius.                                                                                                                                                                                   |
| GOVERNING CLASS                             | "Maximum Change of Speed as a Percentage of Rated Speed on suddenly taking-off the rated load(Transient) "                            | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                             | "Maximum Recovery Time in Seconds on suddenly taking-off the rated load(Transient) "                                                  | 15.0 <b>(second)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                             | Maximum Change of Speed as a Percentage of Rated Speed on suddenly taking-off the rated load(Permanent)                               | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| विवरण/Specification | विशिष्टि का नाम /Specification Name                                                                                                                      | बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)                                                                                                                                                                                                                                                                                               |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | "Maximum Change of Speed as a Percentage of Rated Speed On a change of load, both on and off, by all steps of 25 percent of the rated load (Transient) " | 4                                                                                                                                                                                                                                                                                                                                                             |
|                     | "Maximum Recovery Time in Seconds on a change of load, both on and off, by all steps of 25 percent of the rated load(Transient) "                        | 5.0 (second)                                                                                                                                                                                                                                                                                                                                                  |
|                     | "Maximum Change of Speed as a Percentage of Rated Speed On a change of load, both on and off, by all steps of 25 percent of the rated load (Permanent)   | 1.5                                                                                                                                                                                                                                                                                                                                                           |
| ALTERNATOR          | Alternator Voltage Rating                                                                                                                                | 415.0 (Volt)                                                                                                                                                                                                                                                                                                                                                  |
|                     | Efficiency at rated Power factor at 75% of full Load                                                                                                     | 90.0 - 100.0 Or higher (percent)                                                                                                                                                                                                                                                                                                                              |
|                     | Conformity to Indian Standard (for Alternator)                                                                                                           | Generally conforming to IS:13364 (Part-2) latest (Above 20 KVA)                                                                                                                                                                                                                                                                                               |
|                     | <b>Voltage Regulation Grade</b>                                                                                                                          | VG 3 Or higher                                                                                                                                                                                                                                                                                                                                                |
|                     | Alternator IP Rating                                                                                                                                     | IP 23 Or higher                                                                                                                                                                                                                                                                                                                                               |
|                     | Salient features of Alternator                                                                                                                           | NA                                                                                                                                                                                                                                                                                                                                                            |
| CONTROL PANEL       | <b>Control Panel</b>                                                                                                                                     | AMF Control Panel                                                                                                                                                                                                                                                                                                                                             |
|                     | Control Panel Location                                                                                                                                   | Inside the canopy                                                                                                                                                                                                                                                                                                                                             |
|                     | IP Rating of Control Panel                                                                                                                               | IP 55 Or higher                                                                                                                                                                                                                                                                                                                                               |
|                     | Display meters in the control panel (with appropriate rating and accuracy class ) - inclusive in the scope of supply                                     | Multifunctional Digital display meter (displaying Voltage, Current, Frequency, Power Factor)                                                                                                                                                                                                                                                                  |
|                     | Other devices in the control panel (with appropriate rating) - inclusive in the scope of supply                                                          | Required switches and cutout, MCB, MCCB, Contactor, Circuit breaker, Battery charger, remote monitoring over internet with GSM modem.                                                                                                                                                                                                                         |
|                     | Displayed parameters/Features                                                                                                                            | Engine Speed, Lube oil pressure, Coolant/cylinder head Temperature, Engine running hours, Engine battery voltage, Engine Running status, Generator Voltage (Ph-Ph), Generator Voltage (Ph-N), Generator Current (R, Y, B), Generator apparent Power (kVA), Generator active Power (kW), Powerfactor, Frequency, Fuel level, Event log, Control supply Voltage |
|                     | Indicators                                                                                                                                               | Low Lube oil pressure, High water / coolant / cylinder head temperature, Low fuel level, Over speed                                                                                                                                                                                                                                                           |
|                     | Audio Alarm                                                                                                                                              | Low Lube oil pressure, High water / coolant / cylinder head temperature, Low fuel level, Over speed                                                                                                                                                                                                                                                           |

| विवरण/Specification   | विशिष्टि का नाम /Specification Name          | बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)                                                   |
|-----------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| ACOUSTIC ENCLOSURE    | Sheet Thickness(mm)                          | 1.2, 1.6, 1.8, 2 Or higher                                                                                        |
|                       | Thickness of insulation                      | 30.0 - 120.0 Or higher <b>(millimeter)</b>                                                                        |
|                       | Density of insulation (kg/cubic m)           | 28.0 - 100.0 Or higher                                                                                            |
|                       | Noise level at 1 meter (dB)                  | 75                                                                                                                |
| Fuel Tank             | Fuel Tank Capacity                           | 130.0 <b>(liter)</b>                                                                                              |
|                       | Number of Fuel tank                          | 1                                                                                                                 |
|                       | Fuel Tank Sheet Material Thickness(mm)       | 3 Or higher                                                                                                       |
|                       | Fuel Tank Features                           | Fuel Tank capacity is sufficient for 8 hrs of running at full load                                                |
| BATTERY               | Battery Type & Specification                 | "Low Maintenance free to IS: 14257 for high cranking performance"                                                 |
|                       | Battery capacity (Ah)                        | 90                                                                                                                |
|                       | No of batteries                              | 1                                                                                                                 |
| SALIENT FEATURES      | Salient Features of Power Generator          | Glass window on Accoustic Enclosure in front of the Control Panel, Emergency Stop outside the Accoustic Enclosure |
| TRAILER               | <b>Trailer</b>                               | NA for Fixed/Skid Mounted Power Generator                                                                         |
|                       | <b>Pay load of the Trailer</b>               | 0, 500, 1000, 2000 Or higher <b>(kilogram)</b>                                                                    |
|                       | Number of Axlels                             | 0                                                                                                                 |
|                       | Number of wheels                             | 'NA' for without trailer                                                                                          |
|                       | Wheel Tyre size                              | 0.0 <b>(inch)</b>                                                                                                 |
|                       | Brakes                                       | NA for Fixed/Skid Mounted Power Generator, Hydraulic, Electrical Or higher                                        |
|                       | Trailer Complying to CMVR act and Regulation | NA for Fixed/Skid Mounted Power Generator                                                                         |
|                       | Salient Features of trailer                  | NA                                                                                                                |
| SCOPE OF INSTALLATION | <b>Installation</b>                          | with installation - inclusive in the scope of supply Or higher                                                    |

| विवरण/Specification | विशिष्टि का नाम /Specification Name                                                                                   | बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply(Part-1) | a) Installation of Power Generator when offered by the vendor is inclusive in the scope of supply and shall be done by the seller. The installation work of Power Generator and its constituent parts shall be generally conforming to CPWD General Specification for Electrical Works, Part - VII - latest. b) Foundation shall be constructed by the seller. 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 Power Generator. The height of the foundation shall be 400 mm, i.e., 200 mm below and 200 mm above the ground level. All the materials / labour required for foundation work shall be supplied by the seller.                                                                                                                                                                                                                                                                                                                                              |
|                     | Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply(Part-2) | c) Supply, laying and termination of interconnecting power and control cable shall be done by the seller. The cable supplied shall be ISI marked heavy duty PVC insulated, armoured cable, with PVC outer Sheath of Type ST-2 (FR Grade, Category C1), with aluminium conductor having insulation of PVC compound type -C, suitable for rated voltage upto and including 1100 volts and conforming to IS: 1554 (Part-1) latest. For 3-Phase Power Generators, 3.5 core or higher core cables shall be used. Total length of the cable supplied by the seller shall be within 30 meters for each Power Generator with manual control panel and within 60 metres for each Power Generator with AMF control panel. The current rating of the cables shall be as indicated below: 2C, 6 Sq mm for Single Phase, 3.5 & 5.0 KVA 2C, 10 Sq mm for Single Phase, 7.5 & 10 KVA 2C, 25 Sq mm for Single Phase, 15 KVA 2C, 35 Sq mm for Single Phase, 20 KVA 2C, 70Sq mm for Single Phase, 25 KVA 2C, 95Sq mm for Single Phase, 30 KVA 2C, 120Sq mm for Single Phase, 40 KVA 4C, 4 Sq mm for Three Phase, |
|                     | Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply(Part-3) | d) 10 KVA 4C, 6 Sq mm for Three Phase, 15 KVA 4C, 10 Sq mm for Three Phase, 20 & 25 KVA 4C, 16 Sq mm for Three Phase, 30 KVA 3.5C, 25 Sq mm for Three Phase, 40 KVA 3.5C, 35 Sq mm for Three Phase, 50 KVA 3.5C, 70 Sq mm for Three Phase, 62.5 & 75 KVA 3.5C, 95 Sq mm for Three Phase, 82.5 KVA 3.5C, 120 Sq mm for Three Phase, 100 KVA 3.5C, 185 Sq mm for Three Phase, 125 KVA 3.5C, 300 Sq mm for Three Phase, 160 KVA 3.5C, 2 Run of 120 Sq mm for Three Phase, 180 KVA 3.5C, 2 Run of 150 Sq mm for Three Phase, 200 KVA 3.5C, 2 Run of 185 Sq mm for Three Phase, 225 KVA 3.5C, 2 Run of 240 Sq mm for Three Phase, 250 & 275 KVA 3.5C, 3 Run of 185 Sq mm for Three Phase, 320 KVA 3.5C, 3 Run of 240 Sq mm for Three Phase, 380 & 400 KVA 3.5C, 4 Run of 240 Sq mm for Three Phase, 500, 600 & 750 KVA 3.5C, 6 Run of 240 Sq mm for Three Phase, 900 KVA                                                                                                                                                                                                                            |



| विवरण/Specification | विशिष्टि का नाम /Specification Name                                                                                                                | बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply(Part-4)                              | e) Construction of suitable earthing station and necessary connections shall be done by the seller. All the materials / labour required for construction of earthing station shall be supplied by the seller. The total number of earthing pits/stations shall be 4, i.e., 2 for neutral and 2 for body-earthing. Netutral earthing shall be done with copper Plate and Body earthing shall be done with G.I. plate / Copper. The consignee should choose installation site in such a way that the earthing stations can be made within 10 metres of the Power Generator. Earthing station shall be typically constructed as per prevalent standard practices and shall be generally conforming to CPWD General specification for Electrical Works, Part - VII & Part - I - latest. e) Installation of Fuel Tank including foundation / stand shall be done by the seller. f)The warranty is applicable upto specified value of month/hours whichever occurs first's. |
|                     | Above Scope of installation for Diesel Generating Set when offered by the vendor has been seen, read, understood and agreed to comply              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WARRANTY/SERVICE S  | <b>Warranty on Complete power genertor/DG Set</b>                                                                                                  | 24, 36 Or higher <b>(month)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                     | Warranty in running hours                                                                                                                          | 5000.0 - 5000.0 Or higher <b>(hour)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                     | <b>Number of preventive maintenance visits offered in an year during warranty period (Supply of all consumables is the buyer's responsibilty)*</b> | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TEST REPORTS        | Type of lab which carried out Test of Complete Product to prove the conformity of product as per specification                                     | Certificates required as per CPCB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                     | <b>Test report Available for (Test/approval)</b>                                                                                                   | Type Approval Certificate for the specified rating of the Power Generator from any of the designated agency authorized by CPCB, COP Certificate for engine, Type test report for Alternator as per IS:13364 (Part-1) latest / IS:13364 (Part-2) latest to prove conformity to the specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                     | Agree to provide all relevant documents Test Report/supporting document /reports etc to the buyer at the time of bidding or on demand              | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**Additional Specification Parameters - Power Generator - DG Set (up To 900 KVA) ( 1 pieces )**

| Specification Parameter Name | Bid Requirement (Allowed Values)                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warranty period              | 24 Month(s) from the date of supply.                                                                                                                                                                                                                                                                                                                                                  |
| Description                  | 40 KVA DG set - Diesel Generating Set of 40 KVA capacity with installation, erection, testing and commissioning, IP 23, 1500 RPM, Acoustic type, Liquid cooled with AMF control panel located inside of IP55, Noise Level of 75dB at 1 Mtr, including Multi-Function Meter, SMF battery of 12V, 90 AH capacity as per IS13364(Part 2) with CPCB IV and minimum warranty of 24 months. |

\* Bidders offering must also comply with the additional specification parameters mentioned above.

#### प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

| क्र.सं./S.N o. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                                                                       | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|----------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1              | S Pargunan                                               | 636005, Office of the Senior Section Engineer Electrical Works Southern Railway Salem SALEM, 636005, Salem, 636005, Salem, 636005 | 1                | 45                           |

#### क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

##### 1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

##### 2. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

##### 3. Purchase Preference (Centre)

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1 + 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 26% of total value.

#### 4. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

#### 5. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

#### 6. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

#### 7. **Certificates**

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid):

Bidder to provide OEM authorization/dealership certificate along with bid. Failing which offer won't be considered.

#### 8. **Warranty**

Warranty period of the supplied products shall be 2 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

#### 9. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. The Bidder/OEM must have a Functional Service Centre in the State of Consignee. The Functional Service Centre shall be already established and fully operational at the respective location at the time of bidding. Documentary evidence to be submitted at time of bidding. Failing which offer may not be considered.

2. Bidders to provide product sheet and specification sheet of offered make and model along with the offer. Failing which offer may not be considered.

3. Participating traders/agents/dealers/reseller/distributor has to attach bid specific authorized dealership certificate/letter from the OEM. Failing which offer may not be considered.

4. Acceptable Makes / Brands are Kirloskar (KOEL), Cummins, Greaves Power, Ashok Leyland, TATA and Mahindra Powerol. In case the offered make/brand is other than the acceptable makes listed above, the Bidder

er/OEM must fulfil all the requirements specified under the following requirements. Documentary evidence / compliance statement addressing each point shall be uploaded along with the offer for technical evaluation purposes. Failure to submit the required documents / compliance details shall render the offer liable for rejection.

## Following Certifications of the OEM must be uploaded

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- A) Manufacturer's catalogue.
- B) Alternator Type test report issued in name of Alternator manufacturer.
- C) Type Approval certificate of the engine issued in name of engine manufacturer
- D) Type Approval certificate of DG Set issued in name of DG manufacturer.
- E) Conformity of production (COP) certificate of engine issued in name of Engine manufacturer
- F) Conformity of production (COP) certificate of DG Set issued in name of DG manufacturer.
- G) ISO 9001 : 2015 Certificate issued in name of DG manufacturer.
- H) ISO 14001 : 2015 Certificate issued in name of DG manufacturer.
- I) ISO 50001 : 2018 Certificate issued in name of DG manufacturer.
- J) ISO 45001 : 2018 Certificate issued in name of DG manufacturer.
- K) IP certificate of the Panel.
- L) Acoustic Enclosure: Design of Acoustic Enclosure must be as per Engine Manufacturer's design only.

**5. Inspection by RITES.** The inspection will be carried out by RITES. Firm must provide the complete work address where the inspection is to be conducted.

**6.(I) Place of Supply & Installation:** THE DG SET TO BE SUPPLY & COMMISSIONED AT YERCAUD OFFICERS REST HOUSE/HOLIDAY HOME.

(II) Railway reserves the right to accept/reject the offer based on past performance to ensure quality of the offered product.

Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied 1 number of same item of 40KVA or higher capacity, in at least one of the last three Financial years before

re the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year.

### (III) Scope of supply :- Supply Installation Testing and Commissioning of Goods.

7. (A) Bidder to provide OEM authorization/dealership certificate along with bid. Failing which offer won't be considered.

(B) Ambiguous offers like 1. Unbranded items, 2. Make/brand as NA, As per tender/, similar...., 3. Not adhering to tender specification, 4. Unclear makes, brands, etc will be summarily rejected without any correspondence.

### (C) Inspection by RITES.

(D) For delivery period extensions or any amendments request for purchase order please mail to [Srdmmsa@sa.railnet.gov.in](mailto:Srdmmsa@sa.railnet.gov.in)

(E) For technical clarification, bill payments and delivery location contact office of the Senior Section Engineer Electrical Works Southern Railway Salem SALEM, tamil nadu 636005, (Contact No. 7708018942. 9944111924.)

8. Description :- 40 KVA DG set - Diesel Generating Set of 40 KVA capacity with installation, erection, testing and commissioning, IP 23, 1500 RPM, Acoustic type, Liquid cooled with AMF control panel located inside of IP55, Noise Level of 75dB at 1 Mtr, including Multi-Function Meter, SMF battery of 12V, 90 AH capacity as per IS13364(Part 2) with CPCBIV and minimum warranty of 24 months.

### अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to

exemption provided to such sellers under GeM GTC.

3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.**

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, 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. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---