PRASAR BHARATI
(INDIA's PUBLIC SERVICE BROADCASTER)
O/o ADDITIONAL DIRECTOR GENERAL (E) (WZ)
ALL INDIA RADIO & DOORDARSHAN
P.B. ROAD, WORLI, MUMBAI-30.

सत्यम् शिवम् सुन्दरम्

NO.ADG(E)(WZ)/AIR-P/58.5 KVA CPCB IV+Compliant DG Set/2025-26 Dated: 02/12/2025

Subject: - Extension of Period for Receiving Budgetary Quote for the SITC of 58.5 KVA CPCB IV+ Compliant DG Set at Akashvani Devbhumi Dwaraka (Gujarat), Radhanpur (Gujarat) & Jagdalpur (Chhattisgarh) as per details in the Budgetary Quotation Form.

As sufficient Budgetary quotes are not received up to 01/12/2025, The last date of Receiving the Budgetary quotes is extended by 5 days up to **06/12/2025**

The Budgetary Quotation form of the upcoming tender is enclosed herewith to offer comments if any, from prospective bidders / firms with budgetary quote.

Bidders/firms may please submit the above details/their quotation on or before due date by e-mail to ***prpehekar@prasarbharati.gov.in*** and ***rsbhamre@prasarbharati.gov.in*** or at following address.

Sh. Prashant R. Pehekar
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Enclosed:

1. Budgetary Quotation form of the upcoming tender is enclosed herewith.
2. Details of Technical Specification for 58.5 KVA CPCB IV+ Compliant Diesel Generator set enclosed at Annexure-I.
3. Details of Existing Platform Dimentions and Cable length Requirments enclosed at Annexure-II.

02/12/2025

(Prashant R. Pehekar)
Assistant Director (E)
For Add. Director General (E), WZ
Mumbai

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O/o ADDITIONAL DIRECTOR GENERAL (E) (WZ)
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P.B. ROAD, WORLI, MUMBAI-30.

NO. ADG(E)(WZ)/AIR-P/AIR-P/58.5 KVA CPCB IV+Compliant DG Set/2025-26 Dated. 10/11/2025

Budgetary Quotation Form

Subject: Invitation of Budgetary Quotation for the SITC of 58.5 KVA CPCB-IV+ Compliant DG Set at Akashvani Devbhumi Dwaraka (Gujarat), Radhanpur (Gujarat) & Jagdalpur (Chhattisgarh) as per details in the Budgetary Quotation Form.

Last date of receipt of Budgetary Quotation in this office: 01.12.2025 up to 12:00Hrs.

Please read carefully the terms and conditions given in the enquiry quotation form.

SR NO	DESCRIPTION / SCOPE OF WORK	Required Qty. per Station	Total Qty.	RATE	AMOUNT
	a) SITC of 58.5 KVA Silent Diesel Generator complete with Diesel Engine, Alternator and AMF/MANUAL Control Panel along with Acoustic Enclosure. Diesel engine and alternator shall be closely coupled or provided with flexible coupling and mounted on a base plate / M.S. frame of robust in construction. As per specification attached in Annexure- I. b) Anti-Vibration mountings shall be provided for complete Power Generator in case of flexible coupling. In case of direct coupling Anti-Vibration mountings shall be provided for the Engine as well as the alternator. c) Power Generator should have protection against under voltage, over voltage, under frequency, over frequency, low battery voltage, over current, earth-fault, short circuit, phase sequence changes etc. d) Automatic Mains Failure (AMF) control panel, shall be able to start up the Power Generator and transfer the load on to the Power Generator 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 Power Generator automatically. e) Control Panel (Manual / AMF), shall be equipped with suitable Voltmeter, Ammeter, Frequency meter, power factor meter (these items can be alternatively supplied in one multifunctional digital display meter), battery charger, indicators, various switches and cut out / MCB / MCCB / Contactor / Circuit breaker for the DG output of appropriate rating and accuracy class as per trade practice for better utility. f) Acoustic Enclosure shall be made of Pre-treated and Powder coated CRCA Sheet. The sheet shall be Pre-treated and Powder coated	01 No.	03 Nos.		

	with weather-proof paint. The Acoustic Enclosure shall be vermin proof. The enclosure shall accommodate the (daily service) fuel tank of the Power Generator to make the system compact. **Important Note:** I. Platforms are available at the station. Dimensional details are given in annexure II II. Cable length required at each consignee location is as per Annexure- II.				
				Total	
				CGST	
				SGST	
				IGST	
				Grand Total	

Note:

1. Consignee: Installation officer (i) Akashvani Devbhumi Dwarka (Gujarat), (ii) Akashvani Radhanpur (Gujarat), (iii) Akashvani Jagdalpur (Chhattisgarh)
2. The bidder must be experienced in same kind of work.
3. Specifications of the item to be procured is attached with this form, filling the budgetary quote specifications should be considered extensively.
4. Supply has to be done as per the terms and conditions in upcoming tender documents.
5. Quantity of Material & Scope may increase or decrease as per actual requirement/constraints at site.
6. Validity: 120 Days
7. Insurance of Labours during the Complete work
8. Pre-visit to the Site (If Required)
9. Declaration: We declare that all the conditions as given in the quotation form have been read and accepted by us.

Name (in capital) _____

(Seal & Signature of the Bidder)

Annexure- I

Specification For 58.5 KVA Liquid Cool CPCB IV+ Compliant Diesel Generator

Sr. No	Description	Value
1.	Power Generator installation configurations as defined in CPWD General Specifications for Electrical works - Part VII (DG Set)	Fixed (Power Generators are permanently installed)"
2.	Nominal Rated Capacity (kVA)	58.5 KVA
3.	No of Phase	Three Phase
4.	Rated Engine Power (kWm)	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
5.	Type of Engine cooling	Liquid Cooled
6.	Type of governor	Electronic
7.	Number of cylinders (Nos)	4
8.	No of Strokes (Nos)	4
9.	Rated RPM of Engine (RPM)	1500
10.	Fuel	High Speed Diesel (HSD)
11.	Overload capacity	Engine is capable of delivering an output of 10% in excess of rated KVA for a period of one hour in any period of 12 hours continuous running
12.	Specific Fuel Consumption (gm/kWh)	200 to 265
13.	Starting voltage (volt)	12
14.	Salient Features of Engine	Turbo Charged Engine, Direct injection Fuel System, No derating applicable up to 4500 above MSL of altitude at 25 degree Celsius
15.	Class of governor	A2 or better
16.	"Maximum Change of Speed as a Percentage of Rated Speed on suddenly taking-off the rated load (Transient) "	15
17.	"Maximum Recovery Time in Seconds on suddenly taking-off the rated load (Transient) "	15 second
18.	Maximum Change of Speed as a Percentage of Rated Speed on suddenly taking-off the rated load (Permanent)	5%
19.	"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%
20.	"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 Second
21.	"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%
22.	Alternator Voltage Rating	415 Volt
23.	Rating of AC Generator (KVA)	58.5 KVA
24.	Power Factor of AC generator	0.8
25.	Efficiency at rated Power factor at 75% of full Load	92.6%
26.	Conformity to Indian Standard (for Alternator)	Generally conforming to IS:13364 (Part-2) latest (Above 20 KVA)
27.	Type of alternator	Brushless

28.	Voltage Regulation Grade	VG 3
29.	Alternator IP Rating	IP 23
30.	Class of Insulation	H
31.	Control Panel	AMF Control Panel
32.	Control Panel Location	Inside the canopy
33.	IP Rating of Control Panel	IP 53
34.	Display meters in the control panel (with appropriate rating and accuracy class) inclusive in the scope of supply	Voltmeter, Ammeter, Frequency meter, Power Factor meter
35.	Other devices in the control panel (with appropriate rating) inclusive in the scope of supply	Required switches and cut out, MCB, MCCB, Contactor, Circuit breaker, Battery charger
36.	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), Power factor, Frequency, Fuel level, Event log, Control supply Voltage
37.	Indicators	Low Lube oil pressure, High water / coolant / cylinder head temperature, Low fuel level, Over speed
38.	Audio Alarm	Low Lube oil pressure, High water / coolant / cylinder head temperature, Low fuel level, Over speed
39.	Acoustic Enclosure (inclusive in the scope of supply)	Yes, Power Generator supplied with Acoustic Enclosure
40.	Sheet Thickness(mm)	1.6 mm
41.	Thickness of insulation	40 millimetres
42.	Density of insulation (kg/m^3)	32 kg/m^3
43.	Noise level at 1 meter (dB)	75 dB
44.	Fuel Tank Capacity	150 litres
45.	Number of Fuel tank	1
46.	Fuel Tank Sheet Material Thickness(mm)	2 mm
47.	Fuel Tank Fabricated Material	M.S Sheet
48.	Battery Type & Specification	"Low Maintenance free to IS: 14257 for high cranking performance"
49.	Battery capacity (Ah)	90 Ah
50.	No of batteries	1
51.	Salient Features of Power Generator	Glass window on Acoustic Enclosure in front of the Control Panel, Emergency Stop outside the Acoustic Enclosure
52.	General Technical Requirements (GTR) / Commissioning (Part 1)	a) Power Generator shall be complete with Diesel Engine, Alternator and AMF/MANUAL Control Panel along with Acoustic Enclosure. Diesel engine and alternator shall be closely coupled or provided with flexible coupling and mounted on a base plate / M.S. frame of robust in construction.
53.	General Technical Requirements (GTR) / Commissioning (Part 2)	b) Anti-Vibration mountings shall be provided for complete Power Generator in case of flexible coupling. In case of direct coupling Anti-Vibration mountings shall be provided for the Engine as well as the alternator.
54.	General Technical Requirements (GTR) / Commissioning (Part 3)	c) Power Generator should have protection against under voltage, over voltage, under frequency, over frequency, low battery voltage, over current, earth-fault, short circuit, phase sequence changes etc.
55.	General Technical Requirements (GTR) / Commissioning (Part 4)	d) Automatic Mains Failure (AMF) control panel, where applicable, shall be able to start up the Power Generator and transfer the load on to the Power Generator 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 Power Generator automatically.
56.	General Technical Requirements (GTR) / Commissioning (Part 5)	e) Control Panel (Manual / AMF), where applicable, shall be equipped with suitable Voltmeter, Ammeter, Frequency meter, power factor meter (these items can be alternatively supplied in one multifunctional digital display meter), battery charger, indicators, various switches and cut out / MCB / MCCB / Contactor / Circuit breaker for the DG output of appropriate rating and accuracy class as per trade practice for better utility.
57.	General Technical Requirements (GTR) / Commissioning (Part 7)	g) Acoustic Enclosure shall be made of Pre-treated and Powder coated CRCA Sheet. The sheet shall be Pre-treated and Powder coated with weather-proof paint. The Acoustic Enclosure shall be vermin proof. The enclosure shall accommodate the (daily service) fuel tank of the Power Generator to make the system compact.
58.	General Technical Requirements (GTR) / Commissioning (Part 8)	h) Power Generators shall meet the requirements of Environmental (Protection) Rules 1986 as laid down by Min. of Environment & Forests read with GSR 371 (E) dated 17.5.2002, GSR 520(E)dated 1.7.2003, No.448 (E)dated 12.07.2004, GSR 771(E) dated 11.12.2013 GSR 232(E)dated 31.03.2014, Gazette Notification No.167 dated. 31.03.2014 and Gazette Notification No. 578 dated. 11.11.2014 in respect of noise and emission norms. The latest amendments to above GSRs shall be applicable as and when amended by Ministry of Environment and Forest.
59.	General Technical Requirements (GTR) / Commissioning (Part 9)	i) 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 along with each Power Generator.
60.	General Technical Requirements (GTR) / Commissioning (Part 10)	j) Supply of Fuel tank of suitable capacity, sufficient for minimum 8 hours running the Power Generator, is inclusive in the scope of supply. Fuel Tank shall be complete with fuel piping (between fuel tank and diesel engine), valves, level indications and all standard accessories. MS pipes, heavy class of suitable diameter conforming to IS 1239 (Part-1) - latest shall be used for fuel piping.
61.	General Technical Requirements (GTR) / Commissioning (Part 11)	seller shall provide mains and DG contactor/breaker, Exhaust piping, extra civil work, distribution board shall be provided by the buyer. iii. Consumables such as filters, lube oil at the time of servicing during warranty period shall be provided by the buyer. iv. Obtaining necessary approvals, if any, is the responsibility of the buyer.
62.	Installation	with installation - inclusive in the scope of supply
63.	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.
64.	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 up to 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 as per site requirement for each Power Generator with AMF control panel. The current rating of the cables shall be as indicated below.

65.	Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply (Part-3)	3.5 C 70 Sq. mm Alumminium
66.	Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply (Part-4)	e) Construction of earthing 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. Neutral earthing shall be done with copper Plate and Body earthing shall be done with Copper. The consignee should choose installation site in such a way that the earthing can be made within 10 metres of the Power Generator. Earthing 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 up to specified value of month/hours whichever occurs firsts.
67.	Warranty on Complete power generator/DG Set	24 months
68.	Warranty in running hours	5000 hours
69.	Number of preventive maintenance visits offered in a year during warranty period (Supply of all consumables is the buyer's responsibility) *	1
70.	Response Time to attend the complaint during Warranty	2 day
71.	Time Duration for Repairing /Replace the defect during Warranty	3 day
72.	Type of lab which carried out Test of Complete Product to prove the conformity of product as per specification	Certificates required as per CPCB, NABL accredited lab
73.	Test report Available for (Test/approval)	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 and Endurance test report for Engine as per IS: 10001 latest / IS: 10002 latest, Type test report for Alternator as per IS:13364 (Part-1) latest / IS:13364 (Part-2) latest to prove conformity to the specifications
74.	Agree to provide all relevant documents Test Report/supporting document /reports etc to the buyer at the time of bidding or on demand	YES

Annexure – II

Details of Existing Platform Dimentions and Cable length Requirments

Name of Station	Length of platform (in mm)	Width of platform (in mm)	Height of platform above ground (in mm)	Distance of DG set from main LT panel	Approx Length of Cable Required
Akashvani Dwaraka	3000 mm	1500 mm	150 mm	25 meter	60 meters
Akashvani Radhanpur	4267 mm	2130 mm	250 mm	35 meters	80 meters
Akashvani Jagdalpur	4114 mm	1828 mm	150 mm	40 meters	90 meters