



NATIONAL POWER CORPORATION

SUPPLEMENTAL / BID BULLETIN NO. 1

to the Bid Documents for the

**SUPPLY, DELIVERY, INSTALLATION, TEST AND COMMISSIONING OF
1 X 120KW AND 2 X 90KW MODULAR DIESEL GENSETS AND ASSOCIATED
ELECTRICAL EQUIPMENT FOR TAGUBANHAN DPP
[(PR No.SO-OPD22-007 / Ref. No.PB220831-HG00341)]**

17 AUGUST 2022


All prospective bidders and authorized copy holders of the Bid Documents of the above mentioned project are hereby advised of the changes in the provision of the bid documents, to wit:

SECTION VI - TECHNICAL SPECIFICATIONS, under Item - 1.0 DIESEL GENERATING (DG) SET AND ASSOCIATED EQUIPMENT DATA SUMMARY. Pages VI-TDS (MW)-4 and VI-TDS (MW)-5 shall be revised as attached. (2pages)

All other terms and conditions shall remain the same.

For the information and guidance of all authorized copy holders of the Bid Documents and prospective bidders.

For the Bids and Awards Committee:


RENE B. BARRUELA
Vice President, CAG and
Chairman, Bids and Awards Committee



SECTION VI – TECHNICAL SPECIFICATIONS

**M-1.0 DIESEL GENERATING (DG) SET AND ASSOCIATED
EQUIPMENT DATA SUMMARY**

ITEM	DESCRIPTION	NPC REQUIREMENT	SUPPLIER'S DATA
M-1.1	DG Set (Diesel Engine + AC Generator) – PRIME DUTY *	Designed, manufactured & tested in compliance with the latest version of the standards* listed below, mounted on heavy duty steel baseframe with anti-vibration pads contained in a sound attenuated & weatherproof enclosure	
M-1.1.1	Manufacturer/Assembler/Integrator of DG Set being offered	By Supplier	<u>120kW:</u> <u>90kW:</u>
M-1.1.2	Brand Name of DG Set being offered	By Supplier	<u>120kW:</u> <u>90kW:</u>
M-1.1.3	Model of DG Set being offered	By Supplier	<u>120kW:</u> <u>90kW:</u>
M-1.1.4	DG Set Manufacturer/Assembler/ Integrator Experience, Year	5 (Minimum)	<u>120kW:</u> <u>90kW:</u>
M-1.1.5	DG Set Guaranteed Prime Rated Power at Reference Site Conditions* & 0.8 Power Factor, kW	120 (min.) & 90 (min.)	<u>120kW:</u> <u>90kW:</u>
M-1.1.6	D/G set Guaranteed Fuel Rate at Required D/G Set Prime Power Output and at Reference Site Conditions, 100 % Rated Load, l/kW-hr	<u>120kW: 0.30 (maximum)</u> <u>90kW: 0.32 (maximum)</u>	<u>120kW:</u> <u>90kW:</u>
M-1.1.7	Voltage, V	480 (± 5%)	
M-1.1.8	Power factor	0.80 (min.)	
M-1.1.9	Frequency, Hz	60	
M-1.1.10	No. of Phases, Ø	3	
M-1.1.11	Rated Speed, RPM	1800	
M-1.1.12	Governor	Electronic	
M-1.1.13	Arrangement & Number of Cylinders	In-line & Multi-cylinder	

- NOTES:** 1. * IEC 60034, IEC 60085, IEC60529, ISO 9001 and ISO 3046
 2. *Guaranteed Fuel Consumption which is more than the specified maximum value will be ground for rejection of the equipment being offered.*
 3. *Experience less than what is required will be ground for rejection of the equipment being offered.*

Name of Firm

Name & Signature of Representative

Designation

SECTION VI – TECHNICAL SPECIFICATIONS

**M-1.0 DIESEL GENERATING (DG) SET AND ASSOCIATED
EQUIPMENT DATA SUMMARY**

ITEM	DESCRIPTION	NPC REQUIREMENT	SUPPLIER'S DATA
M-1.1.14	Maximum Sound Pressure Level @ 1-meter distance, dBA	85	<u>120kW:</u> <u>90kW:</u>
M-1.1.15	Maximum Permissible NOx, mg/Nm ³	2000 as NO ₂	<u>120kW:</u> <u>90kW:</u>
M-1.1.16	Maximum Permissible Sox, mg/Nm ³	700 as SO ₂	<u>120kW:</u> <u>90kW:</u>
M-1.1.17	Maximum Permissible CO, mg/Nm ³	500 as CO	<u>120kW:</u> <u>90kW:</u>
M-1.1.18	Particulates, mg/Nm ³	200	<u>120kW:</u> <u>90kW:</u>
M-1.1.19	Factory Acceptance Test	Yes	
M-1.1.20	"Diesel Generating Set (Engine + AC Generator) Performance Curve" @ Reference Site Conditions issued by the Manufacturer/Assembler/Integrator (duly signed with full name) of the Diesel Generating Set Model/Type being offered	To be Submitted/Attachment as Annex A.2	
M-1.2	Diesel Engine		
M-1.2.1	Manufacturer	By Supplier	
M-1.2.2	Manufacturer's Experience, years	10	
M-1.2.3	Place of Manufacture	By Supplier	
M-1.2.4	Brand Name of Diesel Engine being offered	By Supplier	
M-1.2.5	Model/Type	By Supplier	
M-1.2.6	Engine Prime Brake Power Output at Reference Site Conditions, kWm or BHP	By Supplier	
M-1.2.7	"Engine Performance Curve" @ Reference Site Conditions issued by the Diesel Engine Manufacturer or Diesel Generating Set Manufacturer/Assembler/Integrator (duly signed with full name) for the Diesel Engine Model/Type being offered	To be Submitted/Attachment as Annex A.3	

Name of Firm

Name & Signature of Representative

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