



C O S G 0604

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Date : 01<sup>st</sup> November 2023

# TYPE APPROVAL CERTIFICATE

COMPLIANCE TO MASS EMISSION NORMS FOR  
DEDICATED NG Engine (upto 800 kW)

Cert	Report	Specs	Drg	Total
02	04	11	06	23 pgs



1. In order to establish compliance to the provisions of mass emission limits, applicable as on date, documental verification / necessary testing was carried out, on the following engine model(s), submitted by the engine **manufacturer/supplier** referred below:

This Certificate Supercedes	Engine Manufacturer		
Current Certificate	<b>M/s Generac Power Systems Inc.</b> S45W29290, WI-59, Waukesha, WI 53189 <b>Plant : Wisconsin, USA</b>		
Engine Family	Engine Supplier (Manufacturer / Importer)		Import Category
Generac G4.5L TC	M/s Captiva Energy Solutions Pvt. Ltd., Bibirhat, Village Sanjua, PO Bakrahat, PS Bishnupur, South 24 Parganas, West Bengal - 743377		
Parent Engine		Cubic Capacity (cm <sup>3</sup> )	Gross Engine Power
G4.5L TC		4431	82.0 kW @ 1500 rpm
Variant(s)		NA	
Compliance of Norms w.e.f			
01.07.2023			

2. **Validity of the Certificate**

This Type Approval Certificate is valid till	1	The validity of existing emission norms under Notification No. GSR 804(E) dt. 03.11.2022 or until further amendment in the MoEFCC rule, whichever is earlier.
	2	No change in technical specification of the engine specified
	3	Explicitly the Type Approval Certificate withdrawn by the engine supplier
	4	Till COP is not missed / Till COP procedure compliance as per CPCB Administrative Procedure is obtained within prescribed time frame.




3. It is certified that the above **NG engine model(s)** comply with the emission limits for Genset Engines powered by SI engines under power category (56<P≤560)kW, as prescribed under the following rules, notified by **Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India:**

Rule No.	Description	Notification	Date
Environment (Protection) Rule, 1986 in the schedule I, Serial number 88	Emission limits for new engines used for power generating set (Genset) application upto 800 kW Gross Mechanical Power	GSR 804 (E)	03.11.2022

4. **COP :**

COP will be applicable as per CPCB Procedure, for details refer **COP-Annexure.**

Please turn over for Disclaimer

AUTHORISED SIGNATORY			
		 <b>SAURABH DALELA</b> DIRECTOR	
<b>SITARAM KASHYAP</b> DEPUTY GENERAL MANAGER		 Page 1 of 2	