



C O S G 0588

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Date : 27th September 2023

TYPE APPROVAL CERTIFICATE

COMPLIANCE TO MASS EMISSION & SMOKE NORMS
FOR GENSET DIESEL ENGINE (upto 800 kW)

| Cert | Report | Specs | Drg | Total |
|------|--------|-------|-----|--------|
| 02 | 05 | 20 | 15 | 42 pgs |



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

| This Certificate Supercedes | Engine Manufacturer | | |
|-----------------------------|--|--------------------|---------------------------|
| Current Certificate | M/s. Escorts Kubota Ltd. Plant - 2, Plot No - 2, Sector - 13, Faridabad - 121007 Plant : Faridabad | | |
| Engine Family | Engine Supplier (Manufacturer) | | |
| GF12 | M/s. Escorts Kubota Ltd., Plant - 2, Plot No - 2, Sector - 13, Faridabad - 121007 | | |
| Parent Engine | Cubic Capacity (cm ³) | Gross Engine Power | Compliance of Norms w.e.f |
| G20-IV | 2340 | 18.0 kW @ 1500 rpm | 01.07.2023 |
| Variant(s) | ANNEXURE-II | | |

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| | 3 | Explicitly the Type Approval Certificate withdrawn by the engine supplier |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 **Diesel engine model(s)** comply with the emission limits for Genset Engines powered by CI engines under power category (08<P≤19)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 | | | |
|---|--|---|-------------|
|  | |  | |
| SITARAM KASHYAP DEPUTY GENERAL MANAGER | | SAURABH DALELA DIRECTOR | |
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