GOVERNMENT OF KARNATAKA
(Electrical Inspectorate)

Lr. No

Date : 21/04/2023

Ack No : EI000110489660

GSC No : EN0010000228986

O/o Chief Electrical Inspectorate to Govt.,
Nirman Bhavan, 2nd Floor, P.B. No5148 ,
Dr . Rajkumar Road, Rajajinagar, Bangalore-560010
Phone No :080-23371693

To

SANGAMNATH SUGARS LIMITED
SANGAMNATH SUGARS LIMITED
222/2,1B, YARAGAL
YARAGAL, VIJAYAPURA(District), MUDDEBIHAL(Taluk)
Karnataka, India-586123

Sir,

Sub : Approval of electrical installation pertaining to Co-gen sugar plant comprising of a) 20MW, 11KV TG Set (b) 1x500KVA, 415V DG set and 2x3150KVA, 11KV/433V Distribution Transformers feeding the loads of Power Plant to an extent of 5905.1kW(d) 2x2500KVA, 11KV/2x690V Convereter Duty Transformers feeding 1x900kW & 3x750kW 690V Mill Motors and 1x1500kW, 11kV Fibrizor Motors at mill house **SANGAMNATH SUGARS LIMITED** 222/2,1B, YARGAL, YARGAL, SINDAGI, SINDAGI, VIJAYAPURA(District), MUDDEBIHAL(Taluk) - 586123

Drawing Ref No : EI000110429451

Ref : 1) G.O.No:CI 167 SPI 2011 BENGALURU DATED:08.07.2020.
2) Online Ack.No:EI000110429451, Dt:19/05/2022 accorded drawing approval.
3) Online Ack.No:EI000110489660, Dt:28/03/2023 with the work completion report
4) T.O. Lr. No: CEIG/ACEI/EI-1/AEI-3/DWD-50/23836/22-23 Dt. 31-03-2023 addressed to the DCEI, Belagavi for initial inspection.
5) Lr. No: DCEI(BGM)/F-CEIG-Rec/87/23-24 Dt. 12-04-2023 from the DCEI, Belagavi with the report of initial inspection and recommendation.

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With reference to the above, approval is hereby granted for energizing the electrical installation at [**SANGAMNATH SUGARS LIMITED** with **222/2,1B, YARGAL, YARGAL, SINDAGI, SINDAGI, VIJAYAPURA, MUDDEBIHAL - 586123**] under Regulation No. [43,32] of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulation, 2010 as per details enclosed.
This approval is strictly subject to your full compliance with the relevant provisions of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended to date) in every respect.

Note :
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Conditions :

1. As per Regulation No: 46(5) and 46(6) required records shall be maintained.
2. As per Regulation No: 46(7) the installation shall be maintained and operated in a condition free from danger.
3. As per Regulation No: 3 designated person(s) shall operate and carryout the work on electrical lines and apparatus.

Inspection fee of **Rs. 1,01,600/-** *(IN WORDS)* ***One Lakh and One Thousand Six Hundred*** *only*paid vide K2 Challan Ref. No: **CR0922004300646708** dated **24/09/2022**

Details of Equipments :

I) 1x20MW, 11kV TG Set (TG No: 128/2023-24)
1. Turbine : Make: Triveni, 20000kW 7724RPM, Sl. No: TST-1150-H-053

2. Alternator: Make: TDPS, 25000kVA, 1312A, 11kV, Sl. No: T05545

3. TG Breaker : Make: Siemens, 11kV, 2500A, 31.5kA/ 1 Sec, Sl. No: N8 5427

4. Current Transformer: Make: Instrans, Ratio: 1500/1A, Class: 0.5, 15VA
Sl.Nos: a) A66840 to A66843 (b) A66844 to A66846

5. Potential Transformer : Make: Instrans, Ratio: 11kV/Rt3/110V/Rt3-110V/Rt3, Class: 0.5/3P, 30/30VA, Sl. Nos: Z31265 to Z313267

6. ETV Meter : Make: Secure, PTR: 11kv/Rt3/11V/Rt3, CT Ratio: 1500/1, Class: 0.2S, 3Ph, 4 Wire,
Sl. No: XF409408

7. NGR Panel: Make: Ohmark Controls Pvt Ltd, 63.5Ohm, 100A/10 Sec
Sl. Nos: 2020-21/J095/P-15010A-D to P-15012A-D

8. 11kV Breaker: Make: Siemens, 11kV, 2500A, 31.5kA/ 1 Sec
Sl. Nos: N8 5429 - Spare, N8 5428 for Grid 11kV Breaker, N8 5432 for Co-Gen Distribution TR-1
N8 5433 for Sugar Distribution TR-2, N8 5435 and N8 5434 for Mill Convertor Duty TR-1 and TR-2
N8 5430, 11kV, 1250A for Fibrizer HT 11kV Breaker
N8 5431 for Spare HT 11kV breaker

9. Bus PT : Make: Amity Power Product, Ratio: 11kV/rt3/110VRt3/110V/rt3, Class: 0.2/3P,
Class: 50/50VA, Sl. Nos: AF 2232, AF 2230, AF2231

10. Current Transformer (Pro): Make: Amity Power Products, Ratio: 2000/1-1A, 30VA, 0.2S
Sl. Nos: AF2200, AF2201, AF2202

II) 1x500kVA, 415V DG Set (C.G. No: VJP- DG- 1565)
1. Engine: Make: Cummins India Limited, 587BHP, 1500 RPM, Sl. No: 25452685

2. Alternator: Make: Stamford, 1x500kVA, 415v, 695.6A, 0.8 PF, Sl. No: N19J430536

3. Current Transformer: Make: Kalpa, Ratio: 800/5A, Class: 1.0,
Sl. Nos: 405220/19, 405222/19, 405191/19

4. Energy Meter: Make: Schneider Electric, Type: DM5240, 3 Ph, 4 Wire, -/5A,
3x240V, Cl: 1.0 , Sl. No: 34164010498, IR: 1356.22, MF: 160

III) Distribution Transformer : Make: Voltamp Transformers,
2x3150kVA, 11kV/433V, 165.33/4200.12A, Sl. Nos: 1) JN 50854/2 (2) JN 50854/1

IV) Converter Duty Transformer : Make: Voltamp Transformers,
2x2500kVA, 11kV/2x690V, 131.21/2x1045.92A
Sl. Nos: 1) JN 50855/1 (2) JN 50855/2

V) Mill Motor: a) Make: Marathon, 11kV, 1500kW, 101A, 780RPM
Sl. No: U770022/1- Fibrizer Motor
VCB, Make: Siemens, 1250A, Sl. No: N8 40978
b) Make: ABB, 900kW, 690V, Sl. No: 2020110/1 - Mill Motor-1
c) Make: ABB, 750kW, 690V
Sl. No: 2020109/3 - Mill Motor-2, 2020109/2 - Mill Motor-3, 2020109/1 -Mill Motor-4

Note: Separate approval shall be obtained for 110/11kV Switchyard and 110kV Evacuation scheme

CONDITIONS :

1. This approval is subject to condition of compliance of Central Electricity Authority (Measures Relating to Safety Electric Supply) Regulations, 2010, framed under the Electricity Act 2003 and also The Karnataka Electricity (Taxation on consumption or sale) Act, 1959 and the Karnataka Electricity (Taxation on consumption or sale) Rules 2014.
2. This approval is subject to condition of clause (a) of sub-section (2) of Section 3 of the Karnataka Electricity (Taxation on consu mption or Sale) Act, 1959, (Karnataka Act 14 of 1959), prescribed tax per unit shall be remitted as electricity tax on captive consumption of electricity generated by the Captive power generating plant.
3. Monthly tax returns shall be filed in Forms 'G' and same shall be sent to jurisdictional DEI's Office, under intimation to the undersigned.
4. This approval shall be displayed at the generator room or in the control room.
5. Log book detailing/ showing day-to-day generation of energy and fuel consumption shall be maintained.
6. The energy meter shall be got calibrated once in a year and CTs shall be got tested once in three years respectively and Calibration and Test Certificates shall be sent to jurisdictional DEI's Office, under intimation to the undersigned. Calibration & Test may done by the KPTCL or any other approved agencies.
7. The set shall always be kept open for inspection of Electrical Inspectorate authorities.
8. Any change in the generator machineries shall be intimated to this office and fresh approval shall be obtained.
9. Shifting of generator machineries shall be intimated and prior approval of the undersigned shall be obtained.
10. Necessary clearance shall be obtained from KSPCB.
11. It shall be the responsibility of the owner of all installations to maintain and operate the installation in a condition free from danger and as recommended by the manufacturer or by the relevant codes of practice of the Bureau of Indian Standards.



Digitally Signed by : THEETHIRA NANJAPPA APPACHU
Chief Electrical Inspector to Government[INCHARGE]
Bangalore
Signed Date :21/04/2023

Note: This is a Digitally Signed Certificate and Does not require manual signature.

Please, Verify authenticity of this certificate by visiting www.ksei.gov.in and entering certificate number in Third party verification.