

GLIS-Order No.: 101-091-1202-10-1007

Inspection Release Certificate

No. GLIS/AHD/KKC-EUPL/IRC/2021/11/1001 Rev. 00

This is to certify that the components as described hereunder have been inspected and Released.

Client :	M/s. HPOIL Gas Private Limited/ M/s. Kuldeep Kumar Contractor
Client's P.O. No. :	KKC/ENERTECH/HPOIL/UPS/01 Dated: 27.09.2021
Project :	---
Supplier :	M/s. Kuldeep Kumar Contractor
Manufacturer / Vendor :	M/s. Enertech UPS Pvt Ltd.
Place of Inspection :	M/s. Enertech UPS Pvt Ltd., 399/1-2, Bharegaon, PO-GHTAWADE, Pune, India.
Inspection Requested by:	M/s. Kuldeep Kumar Contractor
GLIS W.O. No. :	As Per Your Mail; Dtd.: 09.11.2021
Date(s) of Visit(s) :	10.11.2021

1.0 The following material was inspected:

Item No. (Acc. To PO)	Quantity (Set)			Description of Item(s).
	Ordered	Released	Outstanding	
1	01 Set	01 Set	00	5 KVA 192 VDC * 2 3p-1p Parallel Redundant UPS: Model: 3ph-1ph Sr. No.: 202110324 & 202110325 Capacity: 5 kVA/192 VDC Size: 800 (D) x 450 (W) x 780 (H) mm AC Input: 370-460 VAC AC Output: 230 VAC DC Battery: 192V DC FREQ: 50 HZ

2.0 Remarks:

a) The goods specified have been inspected with good results in accordance with scope of inspection as stated on the Inspection Report No: GLIS/AHD/KKC-EUPL/IR/2021/11/1001; REV 00; Dated: 10.11.2021
b) The Inspection has been carried out as per the Scope of Inspection of following documents: QAP No.: EUPL/PROD/QP/01 Rev. 01 Dated: 20.02.2021
c) NCR status, if any: Total No. of NCRs issued= <u>00</u> Total No. of NCRs closed = <u>00</u>
d) Material is released per purchase order specifications, for delivery to: Client: M/s. Indian Oil Corporation Limited (IOCL) / M/s. Kuldeep Kumar Contractor

3.0 Comment, if Any: N. A.

4.0 Observation / Conclusion:

- Visited M/s. Enertech UPS Pvt Ltd. 399/1-2, Bharegaon, PO-GHTAWADE, Pune, India. For Witnessed Factory Acceptance Test all Offered 5 KVA 192 VDC * 2 3p-1p Parallel Redundant UPS as per Approved Drawing, Proposed Datasheet, manufacturer Catalogue & Client P.O. Specification and result found Satisfactory and Release for Further Operation.

- **Note:** This Inspection release Certificate does not relieve the supplier or manufacturer from any responsibility, or any contractual obligations or guarantees, nor shall it be interpreted in any way so as to imply acceptance of the goods. Inspection is performed to the best of our ability, knowledge and belief but our organisation shall not be held responsible in any way whatsoever for the content of or technical accuracy of the purchase order.

Place: Pune Date: 10.11.2021	GLIS Inspector's Sign & Stamp	Reviewed By	Page 1 of 1
			
	Name of Inspector : Manoj Joshi	Name of Reviewer : J C Panchal	

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Inspection Report

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Client's P.O. No. :	KKC/ENERTECH/HPOIL/UPS/01 Dated: 27.09.2021
Project :	---
Supplier :	M/s. Kuldeep Kumar Contractor
Manufacturer / Vendor :	M/s. Enertech UPS Pvt Ltd.
Place of Inspection :	M/s. Enertech UPS Pvt Ltd., 399/1-2, Bharegaon, PO-GHTAWADE, Pune, India.
Inspection Requested by:	M/s. Kuldeep Kumar Contractor
GLIS W.O. No. :	As Per Your Mail; Dtd.: 09.11.2021
Date(s) of Visit(s) :	10.11.2021

1.0 Stage of Inspection:



Pre-Inspection meeting In Process Inspection Final Inspection Pre-Shipment Inspection

2.0 The following material was inspected:

Item No (Material Code) (Acc. To PO)	Quantity (Set)			Description of Item.
	Ordered Qty. (Set)	Offered Qty. (Set)	Inspected Qty. (Set)	
1	01 Set	01 Set	01 Set	5 KVA 192 VDC * 2 3p-1p Parallel Redundant UPS Model: 3ph-1ph Sr. No.: 202110324 & 202110325 Capacity: 5 kVA/192 VDC Size: 800 (D) x 450 (W) x 780 (H) mm AC Input: 370-460 VAC AC Output: 230 VAC DC Battery: 192V DC FREQ: 50 HZ

3.0 Applicable specification for Inspection:

Document Name	Drawing / Document Number	Rev.	Dated	Status (Approved / Not Approved)
Client PO / WO No:	KKC/ENERTECH/HPOIL/UPS/01	00	27.09.2021	Approved
Drawing No:	As per Approved Drawing	--	--	Approved
IRP /QAP Specification:	EUPL/PROD/QP/01	01	20.02.2021	Approved
Ref. Code/ Standard & Specification No.:	IEC 61180, IEC 62040, IEC 62116, IEC 61683	--	--	--

Inspection Time :	Days / Hours	01 Day	Travel Hours :	06 Hrs (RT)	Distance (Km) :	Lumpsum
Place: Pune	GLIS Inspector's Sign & Stamp		Reviewed By		Page 1 of 5	
Date: 10.11.2021						
	Name of Inspector : Manoj Joshi		Name of Reviewer : J C Panchal			

Head Office (India) : Gulf Lloyds Industrial Services (India) Pvt. Ltd. (الخليج لويذر للخدمات الصناعية الهند دولة العراق المتحدة)

Address : 910, Gala Empire, Opp. TV Tower, Drive-In Road, Ahmedabad - 380052, Gujarat, India.

Tele-fax : (91)79-48001320, (M) +91 9879001097

E mail : contact@gulfloyds.com; gulfloyds.india@gmail.com

Website : www.gulfloyds.com

(DOC. NO.: GLIS/004, Rev. 04 Dtd:01.09.2017)

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4.0 Persons Present:

Sr. No.	Name of Representative	Designation	Name of Company
1.	Mr. Imran Kureshi	QC- Engineer	M/s. Eneritech UPS Pvt Ltd.
2.	Mr. Manoj Joshi	Sr. Inspection Engineer	M/s. GLIS India Pvt. Ltd.

5.0 Inspection/Activity to be performed as per ITP/QAP/PO Specification :



ITP/QAP Cl. No.	Inspection Description	Scope of Inspection as per ITP/QAP
A	Mechanical Items (Fabrication Items & Electrical Items/Electronics)	
1	Panel fabrication (Visual, Dimension, Test Certification)	Review
2	Panel Powder coating (Visual, Dimension, Test Certification)	Review
3	Power Transformer & Choke (Visual & Electrical Testing)	Review
B	Sub Assembly & Test Quality Plan	
1	Mechanical Assembly (GA Verification, Component Verification, Polarity, Tightness)	Review
2	Electrical Wiring (Routing of Wires, Ferruling of color code, Crimping, Tightness, Labeling)	Review
3	PCB (Component Make & Value, Component Placement, Solder Quality, Component Polarity, Cleaning & Coating, Functional Testing, Special Test)	Review
C	Final Inspection & Testing	
1	H.V./ I.R. Testing	Witness
2	Voltage Calibration	Witness
3	Current Calibration	Witness
4	Protection Testing	Witness
5	Functional Testing	Witness
6	Heat Run Test	Witness
7	Special Test (AS Applicable)	Witness
--	Calibration Certificate of Measuring Instrument/Equipment	Review
--	Identification Marking	Witness

6.0 Inspection Carried out Details:

(Brief description of details of Inspections, tests etc. carried out/reviewed/witnessed)

- Reviewed Drawing of all Offered 5KVA UPS System and Found Satisfactory As per Clients PO Specification Requirement.
- Visual Inspection Carried out of all Offered UPS System and not found any Scratch mark/ Surface Defect On the Body and Found Satisfactory As per Clients PO Requirement.
- Verified Name Plate of all Offered 5KVA UPS System and Verified Product Model no., Sr. No., Installation Date, Rating, Input V/Ph/Hz, Output V/Ph/Hz, DC Voltage and Found Satisfactory as per Clients PO Specification Requirement.
- Witnessed Functional Test / Factory Acceptance Test of all Offered 5KVA UPS System (Sr. No.: 202110324 & 202110325) and check Following Para meters and Found Results as per Proposed Datasheet 5KVA and Manufacturer Catalogue.

Sr. No	Parameters	Acceptance Standard	Result
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
Place: Pune Date: 10.11.2021	GLIS Inspector's Sign & Stamp	Reviewed By	Page 2 of 5
			
	Name of Inspector : Manoj Joshi	Name of Reviewer : J C Panchal	

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1	Load test	@ 100%	Found Satisfactory
2	Transfer Re Transfer Test	Mains to Battery and Battery to Mins.	Found Satisfactory
3	Regulation Test	±1%	Found Satisfactory
4	Noise Level	< 65db	Found Satisfactory
5	THD	@ Linear Load	Found Satisfactory
6	Transient Test	@50% @75% & @100%	Found Satisfactory
7	Fault Diagnostic Test	--	Found Satisfactory
8	AC input Failure and Return Test	--	Found Satisfactory
9	Simulation of Parallel Test	--	Found Satisfactory
10	Short Circuit Test	--	Found Satisfactory
11	Settings of Parameter	--	Found Satisfactory
12	Communication Interface Test	RS-232 Communication Interface with PC System	Found Satisfactory
13	Alarms Overload	--	Found Satisfactory
14	Overload Capability	≤ 125% for 10 Mins & ≤ 150% for 1 Min	Found Satisfactory
15	HV Test	< 1mA @ 1.0 KV	Found Satisfactory
16	Paint shade	GRAY RAL 7016	Found Satisfactory
17	Dimension Check	800 x 450 x 780	Found Satisfactory

- Reviewed Heat Run Test Report of the Offered Items and found satisfactory as per approved QAP.
- Reviewed UPSDB & Cell booster Test Report of the offered items and verified the rating details and found satisfactory as per Approved QAP & Clients PO Requirement.
- Reviewed Paint Shade & Thickness Report of the Paint applied on the UPS Enclosures and found satisfactory as per Approved QAP & Clients PO Requirement.
- Reviewed Degree of Protection Report and found satisfactory as per Approved QAP & Clients PO Requirement.
- Sticker stucked as logo of GLIS "  " on the Panels for Identification.
- Reviewed calibration certificate of measuring instruments and found calibrated as below.

7.0 Calibration Details of Instrument Used:

Type of Equipment	Make / Id or Sr. Number	Date Last Calibrated	Current Calibration Expiry Date	NABL Accredited Calibration Agency (Yes / No)
Digital Mutimeter	1903128758	29.12.2020	29.12.2021	Yes
Digital Mutimeter	102192	29.12.2020	29.12.2021	Yes
High Voltage Tester	970502	31.12.2020	29.12.2021	Yes
2CH Digital Oscilloscope	DS1ED1217045550	29.12.2020	29.12.2021	Yes
Digital Clamp meter	DCM-01	29.12.2020	29.12.2021	Yes

Calibration Status Remarks: NA

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8.0 Result of Inspection:

- There were no reasons for objection
 With objection, see attachment
- Status of Offered Items complete not complete
Purchase Order Status: complete not complete
Further Inspections: Vender to notify No

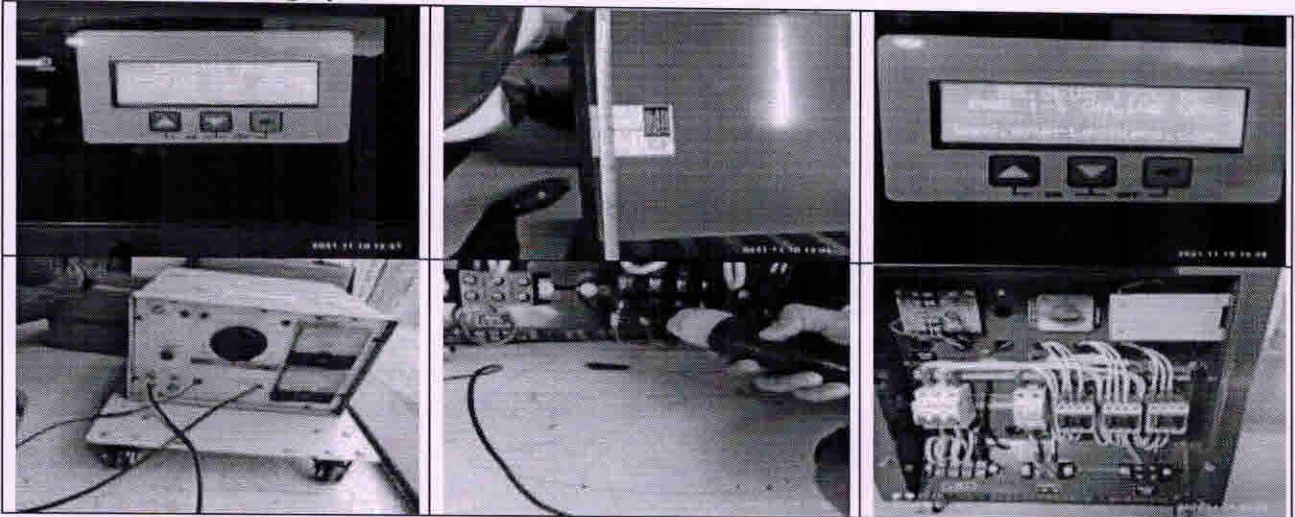
9.0 Observation / Conclusion:

- Visited M/s. Enertech UPS Pvt Ltd. 399/1-2, Bharegaon, PO-GHTAWADE, Pune, India. for Witnessed Factory Acceptance Test all Offered 5 KVA 192 VDC * 2 3p-1p Parallel Redundant UPS as per Approved Drawing, Proposed Datasheet, manufacturer Catalogue & Client P.O. Specification and result found Satisfactory and Release for Further Operation.

10.0 Enclosures / Associated Documents:

- 1) Powder Coating Test Report
- 2) Summary report
- 3) Field Inspection Report
- 4) Test Report
- 5) Calibration Certificates

11.0 Inspection Photographs:

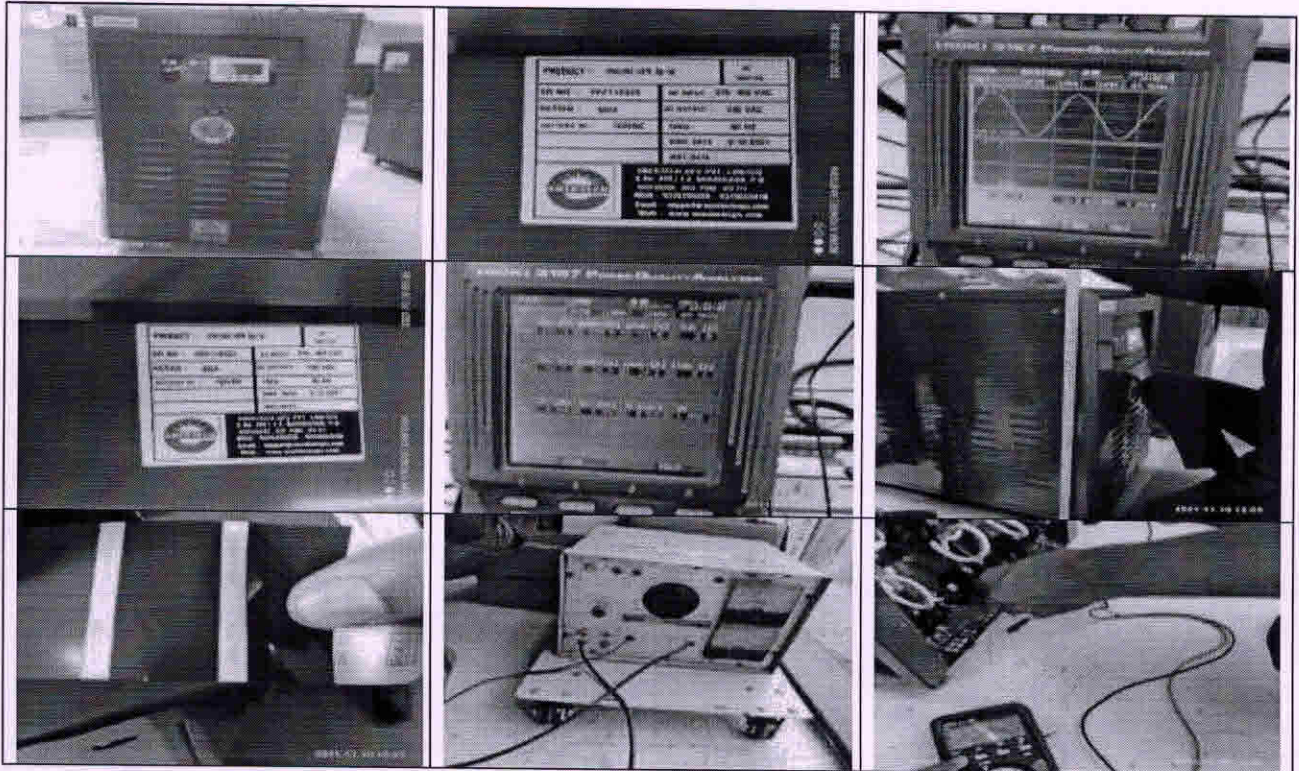


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----- End of the Report -----

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