



Powering Business Worldwide

# Field Service Report

FSR Number : **178934**

Notification/Service Order No. : <b>178251</b>		Call Date : <b>4/10/2025</b>	Service Provider Details : EATON/ ASP NAME
Customer Details		Call Time:	<b>EATON-HYD.</b>
Full Name	<b>INDIAN IMMUNOLOGICALS LIMITED</b>		Contract Type <input checked="" type="checkbox"/> Warranty <input type="checkbox"/> CAMC <input type="checkbox"/> N-CAMC <input type="checkbox"/> Others
Full Address (Pin Code mandatory)	<b>P-6 BLOCK RAKSHAPURAM GACHIBOWLI HYDERABAD</b>		Call Type <input checked="" type="checkbox"/> Install <input type="checkbox"/> DDA <input type="checkbox"/> Breakdown <input type="checkbox"/> Preventive Maintenance <input type="checkbox"/> Warranty <input type="checkbox"/> CAMC <input type="checkbox"/> N-CAMC <input type="checkbox"/> CC <input type="checkbox"/> Others
Contact Person	<b>Mr. Laxminarayana / Mr. Vidyangaal</b>		Product Details
Contact Tel No.	<b>Mobile: 9640395333</b>		Product Series <b>IP</b> <input checked="" type="checkbox"/> 3P <input type="checkbox"/> Others
Email ID			Model <b>UPS 93PR 150KW MBS FRAME</b>
			Rating <b>75KVA</b>
			Serial Number <b>DS372 WAA02</b>
			CTD Number <b>FSB #</b>
			Part Number <b>9RM00A0500A01P0</b>
			IP Address

Site Details				Installation Details			
AC Provided	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Working:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Battery Details	Volt / AH	<b>12V/100AH</b>	
DG Available	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Capacity:	.....kVA	For External Batteries BFR BDR to be filled and enclosed	Make	<b>QUANTA</b>	
Environment	Dust Level : <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Temperature	<b>25</b> °C		Quantity	<b>44</b>	
Voltage Level	L1-N- <b>231</b>	L2-N- <b>231</b>	L3-N- <b>231</b>		Strings	<b>2</b>	
	L1-L2- <b>400</b>	L2-L3- <b>400</b>	L3-L1- <b>400</b>		Batch Code#	<b>MDQ10033X</b>	
Load Type	<input type="checkbox"/> IT <input type="checkbox"/> Industrial <input type="checkbox"/> Data Centre <input type="checkbox"/> Healthcare <input type="checkbox"/> Other			Accessories Installed	<b>BCB.</b>		
Neutral to Earth:	<b>0.9</b> V						
Load %ageL.....%	<b>0X</b>						

Call Details	Job Start Date	Job Start Time	Job End Date	Job End Time	Travel Time	Status of Call	Engineer Accompanied	Complaint Details
1st Visit	<b>22/12/23</b>	<b>10:30 AM</b>	<b>22/12/23</b>	<b>3:00 PM</b>	<b>1 Hr.</b>	Call open <input type="checkbox"/> Call closed <input checked="" type="checkbox"/> Under observation <input type="checkbox"/>		Problem Reported <b>IEC</b>
2nd Visit						Call open <input type="checkbox"/> Call closed <input type="checkbox"/> Under observation <input type="checkbox"/>		UPS Status <input checked="" type="checkbox"/> UPS Working Fine <input type="checkbox"/> UPS not Working <input type="checkbox"/> UPS Under Observation
3rd Visit						Call open <input type="checkbox"/> Call closed <input type="checkbox"/> Under observation <input type="checkbox"/>		

Customer Feedback:	Below Average	Average	Good	Very Good	Excellent	Any Other Feedbacks
1. Product Performance						
2. Quality of Service						
3. Accessibility of Call Logging						
4. Engineer competency						
5. Overall Satisfaction						

Problem Observation: **Installation & Commissioning Activity**

Action Taken: **Installation & Commissioning Activity completed. Ups has been tested in Mains, Battery, Bypass and in MBS modes. Ups is working fine with load on**

Replaced Part Details					Failed Part Details				
Part Code	Description	Serial No.	Batch Code	Qty	Part Code	Description	Serial No.	Batch Code	Qty

Customer remarks:

Name of the customer : <b>J. Vidya Sagar Reddy</b>	Engineer Name : <b>Y.N.G. Kumaraswamy</b>
Designation : <b>Dy. Manager</b>	Engineer signature : <b>Y. Kudry</b>
Customer Signature : <b>[Signature]</b>	Date : <b>22/12/23</b>
Office Seal : <b>[Seal]</b>	Date : <b>22/12/2025</b>



# UPS Commissioning Checklist

FSR No.:

## A] General Information

Customer Name :	INDIAN IMMUNOLOGICALS LTD.		Date :	22/12/2023		
Customer Address :	GACHIBOWLI HYDERABAD		Contact Person :	MR. VIDYASAGAR		
UPS Model :	UPS 93PR 150KW MBS FRAME		Contact No. :	9640395333		
Rating :	75KVA		Load Type :	INDUSTRIAL		
Serial No. :	DS372WAA02		Battery Make & Type:	QUANTA/SME		
Configuration :	STAND ALONE		Number of Cells/Batteries :	264/44		
ISO. Transformer	Make:	M/C	Rating:	150KVA	Battery Rating :	12 Volts: 100 AH:
Config: D/Y or Y/Y	X'mer Sl.No:	MC-23-24-399		No. of-string:	02	
Firmware Version CSB APP	3.28.0035		Firmware Version UPM APP:	3.28.0035		
Firmware Version CSB BL	1.06.0000		Firmware Version UPM BL	1.12.0000		
Firmware Version UPM PLD	0.90.0000		CTO	9RM00A0500A01PC		

## C] Inspection Checklist

UPS						Remark	
1	Input Cable cross section area as per standard specified in manual.	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	95 sq mm	1 Runs
2	Bypass Cable cross section area as per standard specified in manual.	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	95 sq mm	1 Runs
3	Battery Cable cross section area as per standard specified in manual.	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	U0 sq mm	2 Runs
4	Output Cable cross section area as per standard specified in manual.	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	95 sq mm	1 Runs
5	Neutral Cable cross section area as per standard specified in manual.	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	95 sq mm	1 Runs
6	Ground Cable cross section area as per standard specified in manual.	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	16 sq mm	2 Runs
7	UPS input neutral is from utility only ( not generated locally)	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK		
8	In case of input /output isolation Transformer UPS neutral earthed	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK		
9	UPS Input Breaker Rating	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	400 Amps	3PN/4P
8	UPS Output Breaker Rating	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	400 Amps	3PN/4P
10	Battery Breaker / Isolator Rating	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	500 Amps	3PN/4P
11	Generator available	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	Rating:	
12	Neutral Switch closed (if applicable)	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK		
13	UPS ventilation	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK		
14	Room heat dissipation ok	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK		
15	UPS room Air conditioning	<input checked="" type="checkbox"/>	OK	<input type="checkbox"/>	Not OK	Temp:	
16	UPS Access Clearance (Front / Rear/Side)		1320mm	900 mm		450 Mm	

BATTERY					Remark
1)	Battery installation	<input checked="" type="checkbox"/>	Stand	<input type="checkbox"/>	Cabinet
2)	Battery stand earthed	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

## D] Input/Output Parameter

1) Mains Input.	R-N	Y-N	B-N	N-PE	2) Bypass	R-N	Y-N	B-N	N-PE
Voltage	243	242	240	0.9	Voltage	242	241	240	0.9
Current	0	0	6		Current	0	0	0	
Frequency	50.0				Frequency	50.0			
3) Output Input	R-N	Y-N	B-N	N-PE	3) Battery	Charging		Discharging	
Voltage	231	231	231	0.9	Voltage	594			
Current	0	0	0		Current	12.4			
Frequency	50.0								

Engineers Name	Y.N.G. KUMARASWAMY	Customer Name	J. Vidya Sagar Reddy
Signature	<i>Y. Kudry</i>	Designation	By. Manager
		Signature & Seal	<i>Reddy</i> , 22.12.23



## UPS Commissioning Checklist

FSR No.:

### E] TEST

Sr. No	Test	OK	Not OK/NA
1	Inverter to Bypass load Transfer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Bypass to Inverter load Retransfer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Mains to Battery Transfer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Battery to Mains Retransfer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Normal to Manual Bypass	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Manual Bypass to Normal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	UPS to UPS Load Transfer (In parallel / HSB Mode)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	UPS to UPS Load Retransfer (In parallel / HSB Mode)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### F] Software

Sr. No.	Software / Connectivity	OK	Not OK
1	<input checked="" type="checkbox"/> SNMP	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/> MODBUS/JBUS	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/> Remote Alarm Panel	<input type="checkbox"/>	<input type="checkbox"/>

### Battery Bank: 1

### G] Battery Test - SMF / VRLA / Tubular / NiCd Batteries.

UPS Serial No:	F = Float			O = Open			D = Discharging		
Battery Make/AH/V.	Voc F	Voc O	Voc D	Battery	Voc F	Voc O	Voc D		
DS 372 WAA02									
QUANTA/100/12									
No. of cell Batteries/string									
264/01									
Battery Voltage									
@UPS side = 593 V									
@Battery side = 592 V									
Battery Current									
Charging = 6.1 A									
Discharging = A									
Backup Time (Mints):									
Battery Batch No									
MOQ10033X									
	1.	13.42	12.88		21.	13.44	12.86		
	2.	13.44	12.86		22.	13.43	12.84		
	3.	13.43	12.84		23.	13.42	12.83		
	4.	13.42	12.83		24.	13.43	12.84		
	5.	13.41	12.81		25.	13.42	12.83		
	6.	13.43	12.84		26.	13.41	12.81		
	7.	13.46	12.83		27.	13.46	12.84		
	8.	13.47	12.82		28.	13.47	12.83		
	9.	13.42	12.84		29.	13.48	12.81		
	10.	13.47	12.83		30.	13.49	12.82		
	11.	13.48	12.84		31.	13.46	12.84		
	12.	13.49	12.85		32.	13.47	12.83		
	13.	13.50	12.84		33.	13.48	12.83		
	14.	13.48	12.83		34.	13.49	12.84		
	15.	13.46	12.84		35.	13.46	12.83		
	16.	13.47	12.81		36.	13.42	12.84		
	17.	13.49	12.82		37.	13.43	12.85		
	18.	13.50	12.81		38.	13.47	12.86		
	19.	13.49	12.80		39.	13.49	12.83		
	20.	13.48	12.81		40.	13.48	12.84		
	41.	13.49	12.82		43.	13.49	12.83		
	42.	13.48	12.83		44.	13.46	12.84		

### H] Customer Training / Demo

Operating Level Training to customer concern person	No. of person	nos.	<input type="checkbox"/> Done	<input type="checkbox"/> Not Done
Name of Person :	1)	2)	3)	
	4)	5)	6)	7)

### Technical Comment :

Engineers Name	Y.N.G. Kumaraswamy	Customer Name	JV Reddy
Signature	Y. K. Reddy	Designation	Dy. Manager
		Signature & Seal	Copy

**Battery Bank: 2**

**G] Battery Test: - SMF/VRLA/Tubular/NiCd Batteries.**

UPS Serial No: D8372WAA02

Battery Make/AH/V: QUANTA 100/12V

No. of cell Batteries/string: 264/01

	F = Float			Q = Open	D = Discharging			
	Battery	V <sub>DC</sub> F	V <sub>DC</sub> Q	V <sub>DC</sub> D	Battery	V <sub>DC</sub> F	V <sub>DC</sub> Q	V <sub>DC</sub> D
<b>Battery Voltage</b>	1.	13.42	12.86		21.	13.47	12.86	
@UPS side = <u>594</u> V	2.	13.47	12.87		22.	13.48	12.84	
@Battery side = <u>593</u> V	3.	13.44	12.88		23.	13.49	12.86	
<b>Battery Current</b>	4.	13.47	12.84		24.	13.46	12.87	
Charging = <u>6.3</u> A	5.	13.48	12.83		25.	13.49	12.84	
Discharging = A	6.	13.49	12.84		26.	13.50	12.83	
	7.	13.46	12.85		27.	13.49	12.84	
	8.	13.48	12.86		28.	13.50	12.85	
	9.	13.49	12.84		29.	13.49	12.86	
	10.	13.46	12.83		30.	13.45	12.87	
Backup Time (Mints):	11.	13.47	12.85		31.	13.47	12.87	
Battery Batch No	12.	13.49	12.86		32.	13.46	12.84	
<u>MOQ 10033X</u>	13.	13.46	12.86		33.	13.47	12.85	
	14.	13.48	12.84		34.	13.48	12.87	
	15.	13.49	12.85		35.	13.49	12.86	
	16.	13.49	12.86		36.	13.48	12.87	
	17.	13.46	12.83		37.	13.48	12.84	
	18.	13.48	12.84		38.	13.47	12.85	
	19.	13.49	12.86		39.	13.49	12.86	
	20.	13.46	12.84		40.	13.44	12.84	
	41.	13.49	12.87		43.	13.48	12.83	
	42.	13.48	12.82		44.	13.46	12.84	

**G] Battery Test: - SMF/VRLA/Tubular/NiCd Batteries.**

UPS Serial No:

Battery Make/AH/V:

No. of cell Batteries/string:

	F = Float			Q = Open	D = Discharging			
	Battery	V <sub>DC</sub> F	V <sub>DC</sub> Q	V <sub>DC</sub> D	Battery	V <sub>DC</sub> F	V <sub>DC</sub> Q	V <sub>DC</sub> D
<b>Battery Voltage</b>	1.				21.			
@UPS side = V	2.				22.			
@Battery side = V	3.				23.			
<b>Battery Current</b>	4.				24.			
Charging = A	5.				25.			
Discharging = A	6.				26.			
	7.				27.			
	8.				28.			
	9.				29.			
	10.				30.			
Backup Time (Mints):	11.				31.			
Battery Batch No	12.				32.			
	13.				33.			
	14.				34.			
	15.				35.			
	16.				36.			
	17.				37.			
	18.				38.			
	19.				39.			
	20.				40.			

Engineers Name	<u>Y.N.A. Kumaraswamy</u>	Customer Name	<u>JVS Raddy</u>
		Designation	<u>Dy. Manager</u>
Signature	<u>Y. Ruddy</u>	Signature & Seal	<u>[Signature]</u> <u>22.12.23</u>



## OPERATIONAL TRAINING PROGRAM OF UPS SYSTEMS

Project /Customer Name: **INDIAN IMMUNOCHEMICALS LTD.** Location: **GACHIBOWLI, HYD.**  
UPS Model: **UPS 93PR 150 KW MB FRAME** Rating: **75 KVA**  
Conducted by: **Y.N.G. KUMARASWAMY** Dated: **22-12-2023**

Following Topics has covered on this session,

- ❖ Introduction
- ❖ Basic of UPS
- ❖ Safety Instruction
- ❖ Display Operations
- ❖ Operating Instruction
- ❖ DO's & Don'ts
- ❖ Escalation Matrix Process.

### List of Attendees:

Sl.No	Name	Designation	Mobile No	Signature
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				