

**Minutes of meeting held between M/s Indian Immunologicals Limited (Karakapatla)
and M/s Aztec Pcess Automation (P) Ltd. On 25-03-2022**

M/s Aztec Process Automation (P) LTD.**Mr. Venkateswarlu****Mr. Raj Kamal****M/s Indian Immunologicals Limited.****Mr. Ramakrishna****Mr. Chiranjeevi****Mr. Anantha Rao****Purpose:**

RO Plant Generation and Distribution system panels Upgradation.

Work Done at site: .**RO Generation System:**

- Existing PLC control panel replaced with new PLC control panel and completed internal and field connections.
- Manual, Auto and Sanitization Sequence development and execution completed as per user requirement.
- HMI screens developed as per user requirement and found satisfactory.
- Online dot matrix printing tested for operation and sanitization and found ok.

Below Mentioned documents Pre and Post approval Completed

- H1849-RO GENERATION-RA-001
- H1849-RO GENERATION-FDS-001
- H1849-RO GENERATION-HDS-001
- H1849-RO GENERATION-SDS-001
- H1849-RO GENERATION-IQ-001
- H1849-RO GENERATION-OQ-001

RO Transfer system:

- Existing PLC control panel replaced with new PLC control panel and completed internal and field connections.
- Manual, Auto and Sanitization Sequence development and execution completed as per user requirement.
- HMI screens developed as per user requirement and found satisfactory.

Below Mentioned documents Pre and Post approval Completed

- H1849-RO TRANSFER-RA-001
- H1849-RO TRANSFER -FDS-001
- H1849-RO TRANSFER -HDS-001
- H1849-RO TRANSFER -SDS-001
- H1849-RO TRANSFER -001
- H1849-RO TRANSFER -001

Animal Block side PLC system-Mother Loop control Panel:

- Existing PLC control panel replaced with new PLC control panel and completed internal and field connections.
- Manual, Auto and Sanitization Sequence development and execution completed as per user requirement.
- HMI screens developed as per user requirement and found satisfactory.
- Online dot matrix printing tested for operation and sanitization and found ok.

Below Mentioned documents Pre and Post approval Completed

- H1849-PW Distribution system (Animal Loop)-RA-001
- H1849- PW Distribution system (Animal Loop)-FDS-001
- H1849- PW Distribution system (Animal Loop)-HDS-001
- H1849- PW Distribution system (Animal Loop)-SDS-001
- H1849- PW Distribution system (Animal Loop)-IQ-001
- H1849- PW Distribution system (Animal Loop)-OQ-001

Human Block side PLC system-Mother Loop control Panel:

- Existing PLC control panel replaced with new PLC control panel and completed internal and field connections.
- Manual, Auto and Sanitization Sequence development and execution completed as per user requirement.
- HMI screens developed as per user requirement and found satisfactory.
- Online dot matrix printing tested for operation and sanitization and found ok.

Below Mentioned documents Pre and Post approval Completed

- H1849-PW Distribution system (Human Loop)-RA-001
- H1849- PW Distribution system (Human Loop)-FDS-001
- H1849- PW Distribution system (Human Loop)-HDS-001
- H1849- PW Distribution system (Human Loop)-SDS-001
- H1849- PW Distribution system (Human Loop)-IQ-001
- H1849- PW Distribution system (Human Loop)-OQ-001

Purified water system:

- Existing PLC control panel replaced with new PLC control panel and completed internal and field connections.
- Manual, Auto and Sanitization Sequence development and execution completed as per user requirement.
- HMI screens developed as per user requirement and found satisfactory.
- Online dot matrix printing tested for operation and sanitization and found ok.

Below Mentioned documents Pre and Post approval Completed

- H1849- PW BULK SYSTEM-RA-001
- H1849- PW BULK SYSTEM FDS-001
- H1849- PW BULK SYSTEM-HDS-001
- H1849- PW BULK SYSTEM-SDS-001
- H1849- PW BULK SYSTEM -IQ-001
- H1849- PW BULK SYSTEM -OQ-001

WFI System:

- Existing PLC control panel replaced with new PLC control panel and completed internal and field connections.
- Manual, Auto and Sterilization Sequence development and execution completed as per user requirement.
- HMI screens developed as per user requirement and found satisfactory.
- Online dot matrix printing tested for operation and sterilization and found ok.

Below Mentioned documents Pre and Post approval Completed

- H1849- WFI BULK SYSTEM-RA-001
- H1849- WFI BULK SYSTEM FDS-001
- H1849- WFI BULK SYSTEM-HDS-001
- H1849- WFI BULK SYSTEM-SDS-001
- H1849- WFI BULK SYSTEM -IQ-001
- H1849- WFI BULK SYSTEM -OQ-001

Below Mentioned documents Pre and post Approval completed for all above listed systems

- H1849- RO GENERATION, RO TRANSFER, PW BULK, WFI BULK, PW Distribution (Animal Loop), PW Distribution (Human Loop) system-21 CFR Part 11-001
- H1849- RO GENERATION, RO TRANSFER, PW BULK, WFI BULK, PW Distribution (Animal Loop), PW Distribution (Human Loop) system-TM-001
- H1849-IIL-MVP-001

Remarks:

Clor dosing system and pH Booster dosing system under observation and pw generation / pw meter loop 1 and 2 under observation. and pw meter loop-1&2 print not properly waucing some times and HMI2 Hanging some times, ABB pw and WFI system under observation.

Members Present at Site

M/s Aztec Process Automation (P) LTD.

B. Jay
04/04/22
Mr. Venkateswarlu

M/s Indian Immunologicals Limited.

[Signature]
04.04.22
Mr. Ramakrishna

[Signature]
04/04/22
Mr. Chiranjeevi

F. Rajkamal
04/04/2022
Mr. Raj Kamal

[Signature]
04-04-2022
Mr. Anantha Rao