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|---|--|------|-------|------|------|------|------|--|--------|
| OWNER:  شرکت سست و سویی توهم ایران (سایه شایان) | BUSHEHR PETROCHEMICAL COMPANY MEG PLANT | | | | | | | EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT | |
| | TIE-IN POINT LIST | | | | | | |  Contract No : 52-98/445 | |
| MC :  شرکت سست و سویی توهم ایران (سایه شایان) | Project | Area | Phase | Unit | Dis. | Doc. | Seq. | Rev.: | Page |
| Owner Document Number: 17811-75 | BU | 20 | VD | 303 | PR | LST | 0063 | 01 | 1 of 3 |

THIS DOCUMENT SHALL BE IN CONJUNCTION WITH RELATED DOCUMENTS(GA,P&ID,...)

TIE-IN POINT LIST

| | | |
|---|---|--|
|  شرکت سست و سویی توهم ایران (سایه شایان) |  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT | BUSHEHR PETROCHEMICAL COMPANY MEG PLANT |
| Document Review | | |
| Issue Purpose: | IFA | |
| Result Code: AP,AN,CM,RE,NC | AN | |
| Next Status : IFC,IFA,IFI,AFC,AB | AFC | |
| Responsible Department | MECHANICAL | |
| Commented Date | Oct /27/2021 | |
| Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract. | | |

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|-------------|-------------|-------------------------|-----------------|----------------|-----------------|----------------|
| | | | | | | |
| 01 | 14/10/2021 | For approval | KP | PW | JR | |
| 00 | 13/09/2021 | For approval | KP | PW | JR | |
| Rev. | Date | Purpose of Issue | Prepared | Checked | Approved | AC Code |
| | | | | | Class: 1 | Phase: P |

Please check it with P&ID.

| Tie in point | Description | Flow | Pressure | Temperature | Size | Line class |
|--------------|---|------------|--------------------|-------------|---------------------|------------|
| TP-1 | Nitrogen inlet compressor C-1002 | 565 Nm3/hr | 7 / 8 / 9 bar(a) | 5 to 55°C | 2" ANSI 150# RF | 511C |
| TP-2 | Nitrogen outlet compressor C-1002 | 565 Nm3/hr | 23,5 bar(a) | 52°C | 2" ANSI 300# RF | 539D |
| TP-3 | Cooling water inlet compressor C-1002 | 14.4 m3/hr | 4,5 bar(g) | 35°C | 1 1/2" ANSI 150# RF | 500C |
| TP-4 | Cooling water outlet compressor C-1002 | 14,4 m3/hr | 2,5 bar(g) | 45°C | 1 1/2" ANSI 150# RF | 500C |
| | | | | | | |
| TP-1 | Instrument air inlet compressor C-7080 | 173 Nm3/hr | 7 / 8 / 8,5 bar(a) | 10 to 45°C | 2" ANSI 150# RF | 523C |
| TP-2 | Instrument air outlet compressor C-7080 | 173 Nm3/hr | 21 bar(a) | 40°C | 2" ANSI 300# RF | 161D |
| TP-3 | Cooling water inlet compressor C-7080 | 3,3 m3/hr | 4,5 bar(g) | 35°C | 1 1/2" ANSI 150# RF | 500C |
| TP-4 | Cooling water outlet compressor C-7080 | 3,3 m3/hr | 2,5 bar(g) | 45°C | 1 1/2" ANSI 150# RF | 500C |

Notes:

1. Instrument air tie-in not required, it is taken from internally in the package.