



CORRIGENDUM

AMENDMENT No. 04 DATED 09.08.2023

TO TENDER NO. SJG3652P24

1.0 This amendment is issued to amend the Technical specifications and NIT clauses as under in lieu of existing:

Sl. No.	Page No.	Clause No.	Existing Tender Clause & Description	Amended Tender Clause & Description
1	Page 4 of 99	TECHNICAL SPECIFICATIONS AND PARAMETERS OF ITEM NO. 10 UNDER TECHNICAL SPECIFICATIONS & QUANTITY OF THE ITEMS AND SPECIAL NOTES RELATED TO TECHNICAL SPECIFICATIONS IN ANNEXURE-IA	<p>ITEM NO. 10 (Material Code-03640073) Thermal Well Head for 9.5/8" Casing completion for CSS Wells Main Parts of the Wellhead:</p> <p>Section A 1.CAPPING FLANGE ASSEMBLY 13-5/8 5000 STUDDED BOTTOM X STUFFING BOX FOR 9-5/8 CASING TOP YELLOW CHROMATE ZINC PLATED STUDS AND NUTS API 6A LYDD-NL PSL-2 PR1. Requirement per well head: 1 No.</p> <p>Section B 2. TUBING HEAD 11"- 5000 X 9-5/8" SOW BOTTOM TWO 2-1/16 5000 STUDDED SIDE OUTLETS WITH 1.900 VR THREAD TYPE P121 LOCKDOWN S STUDS AND NUTS 3575 psi RWP API 6A YDD PSL-2 PR2.Requirement per well head: 1 No.</p> <p>3.RING GASKET OVAL R-54 316 STAINLESS STEEL S316-4 API 6A. Requirement per well head: 1 No.</p> <p>4.TUBING HANGER 11" NOMINAL X 2-7/8" TOP AND BOTTOM THREADS C/W CSBS SEAL RING PREP AND 2-1/2" BPV THREADS, 6.0" OD EXTENDED NECK WITH 3.375" CSBS METAL SEAL PREP HIGH TEMP ROPE PACKING, VITON SEALS ON EXTENDED NECK FOR PRESSURE TESTING CONNECTION, YDD-NL, PSL-2 PR2.Requirement per well head: 1 No.</p> <p>5.SEAL RING CSBS 3.375 ID X 5.00 OD X 3.722 LONG 410 STAINLESS STEEL 75 ksi YIELD WITH MoS2 COATED 15000 psi RWP LXFF 1.5. Requirement per well head : 1 No.</p>	<p>ITEM NO. 10 (Material Code-03640073) Thermal Well Head for 9.5/8" Casing completion for CSS Wells Main Parts of the Wellhead:</p> <p>Section A DELETED</p> <p>Section B 2. TUBING HEAD 11"- 5000 X 9-5/8" SOW BOTTOM TWO 2-1/16 5000 STUDDED SIDE OUTLETS WITH 1.900 VR THREAD LOCKDOWN SCREW STUDS AND NUTS 3575 psi RWP API 6A YDD PSL-2 PR2.Requirement per well head: 1 No.</p> <p>3.RING GASKET OVAL R-54 316 STAINLESS STEEL API 6A. Requirement per well head: 1 No.</p> <p>4.TUBING HANGER 11" NOMINAL X 2-7/8" TOP AND BOTTOM THREADS C/W SEAL RING PREP AND 2-1/2" BPV THREADS, EXTENDED NECK WITH METAL SEAL PREP HIGH TEMP PACKING, SEALS ON EXTENDED NECK FOR PRESSURE TESTING CONNECTION, YDD-NL, PSL-2 PR2. Requirement per well head: 1 No.</p> <p>5. SEAL RING (RATED FOR MIN TEMP 350 DEG. C AND PRESSURE 5000 PSI). Requirement per well head: 1 No.</p>

			<p>6.BACK PRESSURE VALVE TYPE H 2 1/2 X ONE WAY AISI 4130. Requirement per well head: 1 No.</p> <p>7.STUD 1-7/8 8UN X 14-1/4 FULL THREAD MINIMUM (14-7/8 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE YELLOW CHROMATE ZINC PLATED API 6A. Requirement per well head: 12 Nos.</p> <p>8.NUT 1-7/8 8UN ASTM A194 GRADE 2HM SOUR SERVICE YELLOW CHROMATE ZINC PLATED. Requirement per well head: 24 Nos.</p> <p>9.RING GASKET RX 24 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 4 Nos.</p> <p>10.GATE VALVE MODEL A 2 1/16 API 5000 FLANGED ENDS YD TRIM 3575 RWP 4130 STEM STEAM SERVICE METAL TO METAL API 6A YDD NL PSL 1 PR2. Requirement per well head : 2 Nos.</p> <p>11.BLIND FLANGE 2 1/16 5000 X 9/16" HP 3575 psi RWP API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>12.BLIND FLANGE 2 1/16 5000 X 1/2 LP 3575 PSI RWP C/W RECESS FOR 1.900 VRP, API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>13.VALVE REMOVAL PLUG FOR 2 1/16 2000 TO 10000 PSI OUTLETS 1.900 SHARP V THREAD X 1 1/4 HEX END API 6A DD. Requirement per well head 1 No.</p> <p>14.STUD 7/8 9UNC X 6 1/2 FULL THREAD MINIMUM (6 3/4 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE YELLOW CHROMATE ZINC PLATED. Requirement per well head: 16 Nos.</p> <p>15.NUT 7/8 9UNC ASTM A194 GRADE 2HM SOUR SERVICE YELLOW CHROMATE ZINC PLATED per well head: 32 Nos.</p>	<p>6.BACK PRESSURE VALVE 2 1/2 X ONE WAY AISI 4130. Requirement per well head: 1 No.</p> <p>7.STUD 1-7/8 8UN X 14-1/4 FULL THREAD MINIMUM (14-7/8 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE API 6A (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 12 Nos.</p> <p>8.NUT 1-7/8 8UN ASTM A194 GRADE 2HM SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 24 Nos.</p> <p>9.RING GASKET RX 24 316 STAINLESS STEEL S316 API 6A. Requirement per well head: 4 Nos.</p> <p>10.GATE VALVE 2 1/16 API 5000 FLANGED ENDS YDD TRIM 3575 RWP 4130 STEM STEAM SERVICE METAL TO METAL API 6A YDD NL PSL 2 PR2. Requirement per well head: 2 Nos.</p> <p>11.BLIND FLANGE 2 1/16 5000 X 9/16" HP 3575 psi RWP API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>12.BLIND FLANGE 2 1/16 5000 X 1/2 LP 3575 PSI RWP C/W RECESS FOR 1.900 VRP, API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>13.VALVE REMOVAL PLUG FOR 2 1/16 2000 TO 10000 PSI OUTLETS 1.900 SHARP V THREAD X 1 1/4 HEX END API 6A DD. Requirement per well head 1 No.</p> <p>14.STUD 7/8 9UNC X 6 1/2 FULL THREAD MINIMUM (6 3/4 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 16 Nos.</p> <p>15.NUT 7/8 9UNC ASTM A194 GRADE 2HM SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 32 Nos.</p>
--	--	--	---	---

		<p>16.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156. Requirement per well head: 1 No.</p> <p>17.NEEDLE VALVE 9/16 AUTOCLAVE MALE PIN (NIPPLE) INLET X FEMALE OUTLET ANGLED AUTOCLAVE 30VM90002 SOGW0 FOR SOUR SERVICE 30000 PSI RWP 2 COMPONENT ASSEMBLY (VALVE AND 9/16 HP SS NIPPLE NIPPLE) GRAPHOIL PACKING REQUIRED FOR HIGH TEMPERATURE SERVICE .Requirement per well head: 1 No.</p> <p>18. 0-5000 PSI GUAGE 4.1/2" DIAL FACE, TAPPED FOR MALE 9/16" AUTOCLAVE CONNECTION. Requirement per well head: 1 No.</p> <p>19.PIPE PLUG ASSY 9/16 AUTOCLAVE 1 1/8 12UNF 2 MALE X BLIND 316. Requirement per well head: 1 No.</p> <p>20.ADAPTER TUBING HEAD CSBS 11" 5000 FLANGE BOTTOM (RX GASKET ONLY) X 2-9/16 5000 STUDED TOP PREP FOR 5.25 DIAMETER X 1.75 EFFECTIVE LENGTH TO RECEIVE EXTENDED NECK 3.375 ID CSBS AND METAL SEAL PREP YELLOW CHROMATE ZINCPLATED STUDS AND NUTS 2.56 MIN BORE. Requirement per well head: 1 No.</p> <p>Section C</p> <p>21. RING GASKET RX 27 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 4 Nos.</p> <p>22.GATE VALVE MODEL A 2-9/16 API 5000 FLANGED ENDS 3575 RWP YD TRIM AISI 4130 STEM THERMAL SERVICE API 6A LYDD-NL PSL-2 PR2. Requirement per well head: 1No.</p> <p>23.BLIND FLANGE 2-9/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL- 2. Requirement per well head : 1 No.</p> <p>24. BLIND FLANGE 2-1/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL-2. Requirement per well head: 2 Nos.</p>	<p>16.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156. Requirement per well head: 1 No.</p> <p>17.NEEDLE VALVE MALE PIN (NIPPLE) INLET X FEMALE OUTLET ANGLED FOR SOUR SERVICE (MIN 5000 PSI RWP & MIN TEMP RATING 350 DEG. C. COMPONENT ASSEMBLY (VALVE AND HP SS NIPPLE NIPPLE) GRAPHOIL PACKING REQUIRED FOR HIGH TEMPERATURE SERVICE. Requirement per well head: 1 No.</p> <p>18. 0-5000 PSI GUAGE 4.1/2" DIAL FACE, TAPPED FOR MALE CONNECTION (AS PER THE NEEDLE VALVE). Requirement per well head: 1 No.</p> <p>19.PIPE PLUG ASSY MALE X BLIND 316. Requirement per well head: 1 No.</p> <p>20.ADAPTER TUBING HEAD 11" 5000 FLANGE BOTTOM (RX GASKET ONLY) X 2-9/16 5000 STUDED TOP PREP FOR EXTENDED NECK METAL SEAL PREP STUDS AND NUTS (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD) 2.56 MIN BORE. Requirement per well head: 1 No.</p> <p>Section C</p> <p>21.RING GASKET RX 27 316 STAINLESS STEEL API 6A. Requirement per well head: 4 Nos.</p> <p>22.GATE VALVE 2-9/16 API 5000 FLANGED ENDS 3575 RWP YD TRIM AISI 4130 STEM THERMAL SERVICE API 6A LYDD-NL PSL-2 PR2. Requirement per well head: 1 No.</p> <p>23.BLIND FLANGE 2-9/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL- 2. Requirement per well head: 1 No.</p> <p>24.BLIND FLANGE 2-1/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL-2. Requirement per well head: 2 Nos.</p>
--	--	--	--

			<p>25.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156.Requirement per well head: 3 Nos.</p> <p>26.RING GASKET RX 24 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 3 Nos.</p> <p>27.GATE VALVE MODEL A 2 1/16 API 5000 FLANGED ENDS YD TRIM 3575 RWP 4130 STEM STEAM SERVICE METAL TO METAL API 6A YDD NL PSL 1 PR2. Requirement per well head: 2 Nos.</p> <p>28.STUD 7/8 9UNC X 6 1/2 FULL THREAD MINIMUM (6 3/4 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE YELLOW CHROMATE ZINC PLATED. Requirement per well head: 16 Nos.</p> <p>29.NUT 7/8 9UNC ASTM A194 GRADE 2HM SOUR SERVICE YELLOW CHROMATE ZINC PLATED. Requirement per well head: 32 Nos.</p> <p>30.NEEDLE VALVE 1/2 ANGLE MALE X FEMALE 10000 PSIG WP AT 200 F (800F MAX TEMP) 316 STAINLESS STEEL BODY NACE C/W GRAFOIL STEM PACKING FOR HIGH TEMP SERVICE MTRS REQUIRED. Requirement per well head: 1 No.</p> <p>31.PRESSURE GAUGE 0 5000 PSI DUAL SCALE (PSI / BAR) 1/2 NPT LOWER MOUNT 316SS CONNECTION 6 FACE GLYCERIN FILLED NACE MR0175. Requirement per well head: 1 No.</p> <p>Section D</p> <p>32.RING GASKET RX 27 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 2 Nos.</p> <p>33.GATE VALVE MODEL A 2-9/16 API 5000 FLANGED ENDS 3575 RWP YD TRIM AISI 4130 STEM THERMAL SERVICE API 6A LYDD-NL PSL-2 PR2.Requirement per well head: 1 No.</p>	<p>25.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156.Requirement per well head: 3 Nos.</p> <p>26.RING GASKET RX 24 316 STAINLESS STEEL API 6A. Requirement per well head: 3 Nos.</p> <p>27.GATE VALVE 2 1/16 API 5000 FLANGED ENDS YD TRIM 3575 RWP 4130 STEM STEAM SERVICE METAL TO METAL API 6A YDD NL PSL 2 PR2. Requirement per well head: 2 Nos.</p> <p>28.STUD 7/8 9UNC X 6 1/2 FULL THREAD MINIMUM (6 3/4 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 16 Nos.</p> <p>29.NUT 7/8 9UNC ASTM A194 GRADE 2HM SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 32 Nos.</p> <p>30.NEEDLE VALVE 1/2 ANGLE MALE X FEMALE 10000 PSIG WP AT 200 F (800 F MAX TEMP) 316 STAINLESS STEEL BODY NACE GRAFOIL STEM PACKING FOR HIGH TEMP SERVICE MTRS REQUIRED. Requirement per well head: 1 No.</p> <p>31. PRESSURE GAUGE 0 5000 PSI DUAL SCALE (PSI / BAR) 1/2 NPT LOWER MOUNT 316SS CONNECTION 6 FACE NACEMR0175. Requirement per well head: 1 No.</p> <p>Section D</p> <p>32.RING GASKET RX 27 316 STAINLESS STEEL S316 API 6A. Requirement per well head: 2 Nos.</p> <p>33.GATE VALVE 2-9/16 API 5000 FLANGED ENDS 3575 RWP YD TRIM AISI 4130 STEM THERMAL SERVICE API 6A LYDD-NL PSL-2 PR2. Requirement per well head: 1 No.</p>
--	--	--	--	--

			<p>34.BLIND FLANGE 2-1/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL- 2. Requirement per well head: 1 No.</p> <p>35.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ISO 15156. Requirement per well head: 1 No.</p> <p>36.RING GASKET RX 24 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 2 Nos.</p> <p>37.CROWN CPT C ASSEMBLY 2.9/16 5000 STUDDERED BOTTOM X 2.9/16 5000 STUDDERED TOP WITH TWO 2.1/16 5000 STUDDERED SIDE OUTLETS (1.900 VRT) & ONE 3 NOMINAL BOP 1 1/2 GR RAM 2145 PSI @ 650 F, ABOVE OUTLETS 2.56 BORE, C/W YELLOW CHROMATE ZINC PLATED STUDS & NUTS, 2.56 BORE 3575 RWP AT 650 DEGREES F, API 6A YDD NL PSL 2 PR2.Requirement per well head: 1 No.</p> <p>38. STUFFING BOX ASSY HI TEMP SBHT-2 2-9/16 5000 FLG BTM X 1-1/2 POLISHED ROD W/ 1/2 LP BLDR PORT COOLING FINS TWO CONSTANT TENSION HOSE CLAMPS (WITH PACKING SET & O RING) 3575 PSIG WP AT 650 F API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>39.STUFFING BOX HIGH TEMP PACKING SET FOR 1-1/2 POLISHED ROD 3 SQUARE AR THOMPSON SS-78 (14 RINGS). Requirement per well head: 5 Nos.</p>	<p>34.BLIND FLANGE 2-1/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL- 2. Requirement per well head: 1 No.</p> <p>35.PIPE PLUG 1/2 NPT HEX HEAD 3000/ 6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156. Requirement per well head: 1 No.</p> <p>36.RING GASKET RX 24 316 STAINLESS STEEL API 6A. Requirement per well head: 2 Nos.</p> <p>37. ASSEMBLY 2.9/16 5000 STUDDERED BOTTOM X 2.9/16 5000 STUDDERED TOP WITH TWO 2.1/16 5000 STUDDERED SIDE OUTLETS (1.900 VRT) & ONE 3 NOMINAL BOP 1 1/2 GR RAM 2145 PSI @ 650 F, ABOVE OUTLETS 2.56 BORE, C/W STUDS & NUTS, 2.56 BORE 3575 RWP AT 650 DEGREES F, API 6A YDD NL PSL 2 PR2.Requirement per well head: 1 No.</p> <p>38. STUFFING BOX ASSY HI TEMP 2-9/16 5000 FLG BTM X 1-1/2 POLISHED ROD (WITH PACKING SET & O RING) 3575 PSIG WP AT 650 F API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>39.STUFFING BOX HIGH TEMP PACKING SET FOR 1-1/2 POLISHED ROD. Requirement per well head: 5 Nos.</p>
2	Page 6 of 99	<p>TECHNICAL SPECIFICATIONS AND PARAMETERS OF ITEM NO. 20 UNDER TECHNICAL SPECIFICATIONS & QUANTITY OF THE ITEMS AND SPECIAL NOTES RELATED TO TECHNICAL SPECIFICATIONS IN ANNEXURE-IA</p>	<p>ITEM NO. 20 INSTALLATION & COMMISSIONING OF ABOVE WELLHEADS</p> <p>a) OIL reserves the right to avail installation & commissioning services Thermal Wellheads from the bidder. In that case, Installation and Commissioning of thermal wellhead with proper procedure is required to be done by the bidder.</p> <p>The bidder shall quote for complete installation & commissioning charges for each Thermal wellhead separately as per price bid format. The charge shall include cost of manpower, material and equipment, including conveyance, required for preparation, installation and commissioning of Equipment, if any. Required Rig service</p>	<p>ITEM NO. 20 INSTALLATION & COMMISSIONING OF ABOVE WELLHEADS</p> <p>a) OIL reserves the right to avail installation & commissioning services Thermal Wellheads from the bidder. In that case, Installation and Commissioning of thermal wellhead with proper procedure is required to be done by the bidder.</p> <p>The bidder shall quote for complete installation & commissioning charges for each Thermal wellhead separately as per price bid format. The charge shall include cost of manpower, material (including all types of tools</p>

			<p>(if any) shall be provided by the COMPANY.</p> <p>b) BIDDER's personnel are required to carry out the installation & commissioning on "call out" basis. Bidder shall depute their competent personnel within 20 days for Installation and Commissioning of the equipment on receipt of 'call out' notice from the COMPANY.</p> <p>c) Availing of Installation & Commissioning for all the units is at the sole discretion of the Company. Payment towards Installation & Commissioning shall be made based on the number of the actual services availed.</p>	<p>& tackles, consumables and any other item required to complete the installation & commissioning of wellheads) and equipment, including conveyance (travelling cost of the service provider's personnel shall be arranged and borne by the supplier only, however OIL may provide accommodation and food to service provider's personnel – upto 3 Nos., at rig site on sharing basis), required for preparation, installation and commissioning of Equipment, if any. Required Rig service (if any) shall be provided by the COMPANY.</p> <p>b) BIDDER's personnel are required to carry out the installation & commissioning on "call out" basis. Bidder shall depute their competent personnel within 20 days for Installation and Commissioning of the equipment on receipt of 'call out' notice from the COMPANY. BIDDER to submit an undertaking in this regard along with the technical bid.</p> <p>c) Availing of Installation & Commissioning for all the units is at the sole discretion of the Company. Payment towards Installation & Commissioning shall be made based on the number of the actual services availed. BIDDER to submit an undertaking in this regard along with the technical bid.</p>
3	Page 7 of 99	CLAUSE NO. 4.0 UNDER GENERAL NOTES FOR THERMAL WELLHEADS IN ANNEXURE-IA	4.0 BOP ram seals shall be of graphite/ Inconel material only. BOP ram seal shall be rated to 2145Psig at 650DegF. Lab test report with temperature cycling required to verify this rating (minimum 3 cycles required, high temperature holding period shall be 48 hours minimum for each cycle). Bidder to provide proven field record of high temperature BOP.	4.0 BOP ram seals shall be of graphite/ Inconel material only. BOP ram seal shall be rated to 2145Psig at 650DegF. Lab test report with temperature cycling required to verify this rating (minimum 3 cycles required, high temperature holding period shall be 48 hours minimum for each cycle). Bidder to provide proven field record of high temperature BOP. Bidder to submit TPI inspection report as per the approved QAP for the test. OIL may depute it's representative to witness the temperature cycling test at manufacture's testing facility for the material.
4	Page 23 of 99	CLAUSE NO. 2.2 (d) UNDER BIDDER'S EXPERIENCE UNDER CLAUSE	d) In additional to above, The bidder (the authorised dealer/distributor/supply house of OEM) himself shall have the credential of successful execution of at least one order with minimum quantity not less than 50% of the tender quantity of thermal	d) In additional to above, The bidder (the authorised dealer/distributor/supply house of OEM) himself shall have the credential of successful execution of at least one order for Oil & Gas related

		NO. A BID REJECTION CRITERIA UNDER BID EVALUATION CRITERIA (BEC)/ BID REJECTION CRITERIA (BRC) IN ANNEXURE-IC	wellhead of similar specifications having pressure rating indicated in the tender or more in previous five (05) years reckoned from the original bid closing date of the tender to any E & P Company who is in the business of execution of thermal recovery of crude using Cyclic Steam Stimulation (CSS) or Steam Assisted Gravity Drainage (SAGD). The bidder shall have to submit documentary evidence in support of their successful execution of supply order in the form of following documents along with the technical bid: i) Copy of Purchase Order/Contract with detailed specification ii) Copy of Tax Invoice/Commercial Invoice / Challans/ Consignee delivery receipts/Bill of Lading iii) Copy of Completion Certificate/Commissioning Report iv) Letter from the Company to whom the bidder has supplied the thermal wellheads stating success of the product v) Company Profile and details of the Company to whom material has been supplied etc.	equipment as per API standard to any E & P Company in previous five (05) years reckoned from the original bid closing date of the tender. The bidder shall have to submit documentary evidence in support of their successful execution of supply order in the form of following documents along with the technical bid: i) Copy of Purchase Order/Contract with detailed specification ii) Copy of Tax Invoice/Commercial Invoice / Challans/ Consignee delivery receipts/Bill of Lading iii) Copy of Completion Certificate/Commissioning Report
5	Page 23 of 99	CLAUSE NO. 2.2 (e) UNDER CLAUSE No. 2.0 BIDDER'S EXPERIENCE UNDER CLAUSE NO. A BID REJECTION CRITERIA UNDER BID EVALUATION CRITERIA (BEC)/ BID REJECTION CRITERIA (BRC) IN ANNEXURE-IC	e) Details of successful execution of thermal recovery method (CSS or SAGD) with the wellhead supplied by the bidder has to be submitted by the bidder along with technical bid from the party (On their Letter Head) to whom the wellheads have been supplied.	e) Bidder shall submit an undertaking from its OEM on their letterhead, that in case of award the OEM shall provide all the backup and technical support for Installation and Commissioning of the unit as per the requirement of the Company and scope of the contract/ order, along with the technical bid, failing which their offer shall be rejected.
6	Page 32-34 of 99	TECHNICAL SPECIFICATIONS AND PARAMETERS OF ITEM NO. 10 UNDER TECHNICAL SPECIFICATIONS & QUANTITY OF THE ITEMS AND SPECIAL NOTES RELATED TO TECHNICAL SPECIFICATIONS IN ANNEXURE-E (BID EVALUATION MATRIX - TECHNICAL)	ITEM NO. 10 (Material Code-03640073) Thermal Well Head for 9.5/8" Casing completion for CSS Wells Main Parts of the Wellhead: Section A 1.CAPPING FLANGE ASSEMBLY 13-5/8 5000 STUDDED BOTTOM X STUFFING BOX FOR 9-5/8 CASING TOP YELLOW CHROMATE ZINC PLATED STUDS AND NUTS API 6A LYDD-NL PSL-2 PR1. Requirement per well head: 1 No. Section B 2. TUBING HEAD 11"- 5000 X 9-5/8" SOW BOTTOM TWO 2-1/16 5000 STUDDED	ITEM NO. 10 (Material Code-03640073) Thermal Well Head for 9.5/8" Casing completion for CSS Wells Main Parts of the Wellhead: Section A DELETED Section B 2. TUBING HEAD 11"- 5000 X 9-5/8" SOW BOTTOM TWO 2-1/16 5000 STUDDED SIDE OUTLETS WITH 1.900 VR THREAD LOCKDOWN SCREW STUDS AND NUTS 3575 psi RWP API 6A YDD PSL-2 PR2.Requirement per well head: 1 No.

		<p>SIDE OUTLETS WITH 1.900 VR THREAD TYPE P121 LOCKDOWN S STUDS AND NUTS 3575 psi RWP API 6A YDD PSL-2 PR2.Requirement per well head: 1 No.</p> <p>3.RING GASKET OVAL R-54 316 STAINLESS STEEL S316-4 API 6A. Requirement per well head: 1 No.</p> <p>4.TUBING HANGER 11" NOMINAL X 2-7/8" TOP AND BOTTOM THREADS C/W CSBS SEAL RING PREP AND 2-1/2" BPV THREADS, 6.0" OD EXTENDED NECK WITH 3.375" CSBS METAL SEAL PREP HIGH TEMP ROPE PACKING, VITON SEALS ON EXTENDED NECK FOR PRESSURE TESTING CONNECTION, YDD-NL, PSL-2 PR2.Requirement per well head: 1 No.</p> <p>5.SEAL RING CSBS 3.375 ID X 5.00 OD X 3.722 LONG 410 STAINLESS STEEL 75 ksi YIELD WITH MoS2 COATED 15000 psi RWP LXFF 1.5. Requirement per well head : 1 No.</p> <p>6.BACK PRESSURE VALVE TYPE H 2 1/2 X ONE WAY AISI 4130. Requirement per well head: 1 No.</p> <p>7.STUD 1-7/8 8UN X 14-1/4 FULL THREAD MINIMUM (14-7/8 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE YELLOW CHROMATE ZINC PLATED API 6A. Requirement per well head: 12 Nos.</p> <p>8.NUT 1-7/8 8UN ASTM A194 GRADE 2HM SOUR SERVICE YELLOW CHROMATE ZINC PLATED. Requirement per well head: 24 Nos.</p> <p>9.RING GASKET RX 24 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 4 Nos.</p> <p>10.GATE VALVE MODEL A 2 1/16 API 5000 FLANGED ENDS YD TRIM 3575 RWP 4130 STEM STEAM SERVICE METAL TO METAL API 6A YDD NL PSL 1 PR2. Requirement per well head : 2 Nos.</p> <p>11.BLIND FLANGE 2 1/16 5000 X 9/16" HP 3575 psi RWP API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>12.BLIND FLANGE 2 1/16 5000 X 1/2 LP 3575 PSI RWP C/W RECESS FOR 1.900 VRP, API 6A YDD NL PSL 2.</p>	<p>3.RING GASKET OVAL R-54 316 STAINLESS STEEL API 6A. Requirement per well head: 1 No.</p> <p>4.TUBING HANGER 11" NOMINAL X 2-7/8" TOP AND BOTTOM THREADS C/W SEAL RING PREP AND 2-1/2" BPV THREADS, EXTENDED NECK WITH METAL SEAL PREP HIGH TEMP PACKING, SEALS ON EXTENDED NECK FOR PRESSURE TESTING CONNECTION, YDD-NL, PSL-2 PR2. Requirement per well head: 1 No.</p> <p>5. SEAL RING (RATED FOR MIN TEMP 350 DEG. C AND PRESSURE 5000 PSI). Requirement per well head: 1 No.</p> <p>6.BACK PRESSURE VALVE 2 1/2 X ONE WAY AISI 4130. Requirement per well head: 1 No.</p> <p>7.STUD 1-7/8 8UN X 14-1/4 FULL THREAD MINIMUM (14-7/8 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE API 6A (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 12 Nos.</p> <p>8.NUT 1-7/8 8UN ASTM A194 GRADE 2HM SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 24 Nos.</p> <p>9.RING GASKET RX 24 316 STAINLESS STEEL S316 API 6A. Requirement per well head: 4 Nos.</p> <p>10.GATE VALVE 2 1/16 API 5000 FLANGED ENDS YDD TRIM 3575 RWP 4130 STEM STEAM SERVICE METAL TO METAL API 6A YDD NL PSL 2 PR2. Requirement per well head: 2 Nos.</p> <p>11.BLIND FLANGE 2 1/16 5000 X 9/16" HP 3575 psi RWP API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>12.BLIND FLANGE 2 1/16 5000 X 1/2 LP 3575 PSI RWP C/W RECESS</p>
--	--	---	--

		<p>Requirement per well head: 1 No.</p> <p>13.VALVE REMOVAL PLUG FOR 2 1/16 2000 TO 10000 PSI OUTLETS 1.900 SHARP V THREAD X 1 1/4 HEX END API 6A DD. Requirement per well head 1 No.</p> <p>14.STUD 7/8 9UNC X 6 1/2 FULL THREAD MINIMUM (6 3/4 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE YELLOW CHROMATE ZINC PLATED. Requirement per well head: 16 Nos.</p> <p>15.NUT 7/8 9UNC ASTM A194 GRADE 2HM SOUR SERVICE YELLOW CHROMATE ZINC PLATED per well head: 32 Nos.</p> <p>16.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156. Requirement per well head: 1 No.</p> <p>17.NEEDLE VALVE 9/16 AUTOCLAVE MALE PIN (NIPPLE) INLET X FEMALE OUTLET ANGLED AUTOCLAVE 30VM90002 SOGW0 FOR SOUR SERVICE 30000 PSI RWP 2 COMPONENT ASSEMBLY (VALVE AND 9/16 HP SS NIPPLE NIPPLE) GRAPHOIL PACKING REQUIRED FOR HIGH TEMPERATURE SERVICE .Requirement per well head: 1 No.</p> <p>18. 0-5000 PSI GUAGE 4.1/2" DIAL FACE, TAPPED FOR MALE 9/16" AUTOCLAVE CONNECTION. Requirement per well head: 1 No.</p> <p>19.PIPE PLUG ASSY 9/16 AUTOCLAVE 1 1/8 12UNF 2 MALE X BLIND 316. Requirement per well head: 1 No.</p> <p>20.ADAPTER TUBING HEAD CSBS 11" 5000 FLANGE BOTTOM (RX GASKET ONLY) X 2-9/16 5000 STUDED TOP PREP FOR 5.25 DIAMETER X 1.75 EFFECTIVE LENGTH TO RECEIVE EXTENDED NECK 3.375 ID CSBS AND METAL SEAL PREP YELLOW</p>	<p>FOR 1.900 VRP, API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>13.VALVE REMOVAL PLUG FOR 2 1/16 2000 TO 10000 PSI OUTLETS 1.900 SHARP V THREAD X 1 1/4 HEX END API 6A DD. Requirement per well head 1 No.</p> <p>14.STUD 7/8 9UNC X 6 1/2 FULL THREAD MINIMUM (6 3/4 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 16 Nos.</p> <p>15.NUT 7/8 9UNC ASTM A194 GRADE 2HM SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 32 Nos.</p> <p>16.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156. Requirement per well head: 1 No.</p> <p>17.NEEDLE VALVE MALE PIN (NIPPLE) INLET X FEMALE OUTLET ANGLED FOR SOUR SERVICE (MIN 5000 PSI RWP & MIN TEMP RATING 350 DEG. C. COMPONENT ASSEMBLY (VALVE AND HP SS NIPPLE NIPPLE) GRAPHOIL PACKING REQUIRED FOR HIGH TEMPERATURE SERVICE. Requirement per well head: 1 No.</p> <p>18. 0-5000 PSI GUAGE 4.1/2" DIAL FACE, TAPPED FOR MALE CONNECTION (AS PER THE NEEDLE VALVE). Requirement per well head: 1 No.</p> <p>19.PIPE PLUG ASSY MALE X BLIND 316. Requirement per well head: 1 No.</p> <p>20.ADAPTER TUBING HEAD 11" 5000 FLANGE BOTTOM (RX GASKET ONLY) X 2-9/16 5000 STUDED TOP PREP FOR EXTENDED NECK METAL SEAL PREP STUDS AND NUTS (AS PER THE RATED PRESSURE & TEMP</p>
--	--	--	--

		<p>CHROMATE ZINCPLATED STUDS AND NUTS 2.56 MIN BORE. Requirement per well head: 1 No.</p> <p>Section C</p> <p>21. RING GASKET RX 27 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 4 Nos.</p> <p>22.GATE VALVE MODEL A 2-9/16 API 5000 FLANGED ENDS 3575 RWP YD TRIM AISI 4130 STEM THERMAL SERVICE API 6A LYDD-NL PSL-2 PR2. Requirement per well head: 1No.</p> <p>23.BLIND FLANGE 2-9/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL- 2. Requirement per well head : 1 No.</p> <p>24. BLIND FLANGE 2-1/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL-2. Requirement per well head: 2 Nos.</p> <p>25.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156.Requirement per well head: 3 Nos.</p> <p>26.RING GASKET RX 24 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 3 Nos.</p> <p>27.GATE VALVE MODEL A 2 1/16 API 5000 FLANGED ENDS YD TRIM 3575 RWP 4130 STEM STEAM SERVICE METAL TO METAL API 6A YDD NL PSL 1 PR2. Requirement per well head: 2 Nos.</p> <p>28.STUD 7/8 9UNC X 6 1/2 FULL THREAD MINIMUM (6 3/4 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE YELLOW CHROMATE ZINC PLATED. Requirement per well head: 16 Nos.</p> <p>29.NUT 7/8 9UNC ASTM A194 GRADE 2HM SOUR SERVICE YELLOW CHROMATE ZINC PLATED. Requirement per well head: 32 Nos.</p> <p>30.NEEDLE VALVE 1/2 ANGLE MALE X FEMALE 10000 PSIG WP AT 200 F (800F MAX TEMP) 316 STAINLESS STEEL BODY NACE C/W GRAFOIL</p>	<p>OF THE WELLHEAD) 2.56 MIN BORE. Requirement per well head: 1 No.</p> <p>Section C</p> <p>21.RING GASKET RX 27 316 STAINLESS STEEL API 6A. Requirement per well head: 4 Nos.</p> <p>22.GATE VALVE 2-9/16 API 5000 FLANGED ENDS 3575 RWP YD TRIM AISI 4130 STEM THERMAL SERVICE API 6A LYDD-NL PSL-2 PR2. Requirement per well head: 1 No.</p> <p>23.BLIND FLANGE 2-9/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL- 2. Requirement per well head: 1 No.</p> <p>24.BLIND FLANGE 2-1/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL-2. Requirement per well head: 2 Nos.</p> <p>25.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156.Requirement per well head: 3 Nos.</p> <p>26.RING GASKET RX 24 316 STAINLESS STEEL API 6A. Requirement per well head: 3 Nos.</p> <p>27.GATE VALVE 2 1/16 API 5000 FLANGED ENDS YD TRIM 3575 RWP 4130 STEM STEAM SERVICE METAL TO METAL API 6A YDD NL PSL 2 PR2. Requirement per well head: 2 Nos.</p> <p>28.STUD 7/8 9UNC X 6 1/2 FULL THREAD MINIMUM (6 3/4 OVERALL LENGTH MAXIMUM) ASTM A193 GRADE B7M SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 16 Nos.</p> <p>29.NUT 7/8 9UNC ASTM A194 GRADE 2HM SOUR SERVICE (AS PER THE RATED PRESSURE & TEMP OF THE WELLHEAD). Requirement per well head: 32 Nos.</p> <p>30.NEEDLE VALVE 1/2 ANGLE MALE X FEMALE 10000 PSIG WP AT 200 F (800 F MAX TEMP) 316</p>
--	--	---	--

		<p>STEM PACKING FOR HIGH TEMP SERVICE MTRS REQUIRED. Requirement per well head: 1 No.</p> <p>31.PRESSURE GAUGE 0 5000 PSI DUAL SCALE (PSI / BAR) 1/2 NPT LOWER MOUNT 316SS CONNECTION 6 FACE GLYCERIN FILLED NACE MR0175. Requirement per well head: 1 No.</p> <p>Section D</p> <p>32.RING GASKET RX 27 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 2 Nos.</p> <p>33.GATE VALVE MODEL A 2-9/16 API 5000 FLANGED ENDS 3575 RWP YD TRIM AISI 4130 STEM THERMAL SERVICE API 6A LYDD-NL PSL-2 PR2.Requirement per well head: 1 No.</p> <p>34.BLIND FLANGE 2-1/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL- 2. Requirement per well head: 1 No.</p> <p>35.PIPE PLUG 1/2 NPT HEX HEAD 3000/6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ISO 15156. Requirement per well head: 1 No.</p> <p>36.RING GASKET RX 24 316 STAINLESS STEEL S316 4 API 6A. Requirement per well head: 2 Nos.</p> <p>37.CROWN CPT C ASSEMBLY 2.9/16 5000 STUDDERED BOTTOM X 2.9/16 5000 STUDDERED TOP WITH TWO 2.1/16 5000 STUDDERED SIDE OUTLETS (1.900 VRT) & ONE 3 NOMINAL BOP 1 1/2 GR RAM 2145 PSI @ 650 F, ABOVE OUTLETS 2.56 BORE, C/W YELLOW CHROMATE ZINC PLATED STUDS & NUTS, 2.56 BORE 3575 RWP AT 650 DEGREES F, API 6A YDD NL PSL 2 PR2.Requirement per well head: 1 No.</p> <p>38. STUFFING BOX ASSY HI TEMP SBHT-2 2-9/16 5000 FLG BTM X 1-1/2 POLISHED ROD W/ 1/2 LP BLDR PORT COOLING FINS TWO CONSTANT TENSION HOSE CLAMPS (WITH PACKING SET & O RING) 3575 PSIG</p>	<p>STAINLESS STEEL BODY NACE GRAFOIL STEM PACKING FOR HIGH TEMP SERVICE MTRS REQUIRED. Requirement per well head: 1 No.</p> <p>31. PRESSURE GAUGE 0 5000 PSI DUAL SCALE (PSI / BAR) 1/2 NPT LOWER MOUNT 316SS CONNECTION 6 FACE NACEMR0175. Requirement per well head: 1 No.</p> <p>Section D</p> <p>32.RING GASKET RX 27 316 STAINLESS STEEL S316 API 6A. Requirement per well head: 2 Nos.</p> <p>33.GATE VALVE 2-9/16 API 5000 FLANGED ENDS 3575 RWP YD TRIM AISI 4130 STEM THERMAL SERVICE API 6A LYDD-NL PSL-2 PR2. Requirement per well head: 1 No.</p> <p>34.BLIND FLANGE 2-1/16 5000 X 1/2 LP 3575 psi RWP API 6A LYDD-NL PSL- 2. Requirement per well head: 1 No.</p> <p>35.PIPE PLUG 1/2 NPT HEX HEAD 3000/ 6000 ASTM A105 NORMALIZED FORGED STEEL CONFORMING TO NACE MR0175/ ISO 15156. Requirement per well head: 1 No.</p> <p>36.RING GASKET RX 24 316 STAINLESS STEEL API 6A. Requirement per well head: 2 Nos.</p> <p>37. ASSEMBLY 2.9/16 5000 STUDDERED BOTTOM X 2.9/16 5000 STUDDERED TOP WITH TWO 2.1/16 5000 STUDDERED SIDE OUTLETS (1.900 VRT) & ONE 3 NOMINAL BOP 1 1/2 GR RAM 2145 PSI @ 650 F, ABOVE OUTLETS 2.56 BORE, C/W STUDS & NUTS, 2.56 BORE 3575 RWP AT 650 DEGREES F, API 6A YDD NL PSL 2 PR2.Requirement per well head: 1 No.</p> <p>38. STUFFING BOX ASSY HI TEMP 2-9/16 5000 FLG BTM X 1-1/2 POLISHED ROD (WITH PACKING SET & O RING) 3575 PSIG WP AT 650 F API 6A YDD NL PSL 2.</p>
--	--	---	--

			<p>WP AT 650 F API 6A YDD NL PSL 2. Requirement per well head: 1 No.</p> <p>39.STUFFING BOX HIGH TEMP PACKING SET FOR 1-1/2 POLISHED ROD 3 SQUARE AR THOMPSON SS-78 (14 RINGS). Requirement per well head: 5 Nos.</p>	<p>Requirement per well head: 1 No.</p> <p>39.STUFFING BOX HIGH TEMP PACKING SET FOR 1-1/2 POLISHED ROD. Requirement per well head: 5 Nos.</p>
7	Page 34 of 99	<p>TECHNICAL SPECIFICATIONS AND PARAMETERS OF ITEM NO. 20 UNDER TECHNICAL SPECIFICATIONS & QUANTITY OF THE ITEMS AND SPECIAL NOTES RELATED TO TECHNICAL SPECIFICATIONS IN ANNEXURE-E (BID EVALUATION MATRIX - TECHNICAL)</p>	<p>ITEM NO. 20 INSTALLATION & COMMISSIONING OF ABOVE WELLHEADS</p> <p>a) OIL reserves the right to avail installation & commissioning services Thermal Wellheads from the bidder. In that case, Installation and Commissioning of thermal wellhead with proper procedure is required to be done by the bidder.</p> <p>The bidder shall quote for complete installation & commissioning charges for each Thermal wellhead separately as per price bid format. The charge shall include cost of manpower, material and equipment, including conveyance, required for preparation, installation and commissioning of Equipment, if any. Required Rig service (if any) shall be provided by the COMPANY.</p> <p>b) BIDDER's personnel are required to carry out the installation & commissioning on "call out" basis. Bidder shall depute their competent personnel within 20 days for Installation and Commissioning of the equipment on receipt of 'call out' notice from the COMPANY.</p> <p>c) Availing of Installation & Commissioning for all the units is at the sole discretion of the Company. Payment towards Installation & Commissioning shall be made based on the number of the actual services availed.</p>	<p>ITEM NO. 20 INSTALLATION & COMMISSIONING OF ABOVE WELLHEADS</p> <p>a) OIL reserves the right to avail installation & commissioning services Thermal Wellheads from the bidder. In that case, Installation and Commissioning of thermal wellhead with proper procedure is required to be done by the bidder.</p> <p>The bidder shall quote for complete installation & commissioning charges for each Thermal wellhead separately as per price bid format. The charge shall include cost of manpower, material (including all types of tools & tackles, consumables and any other item required to complete the installation & commissioning of wellheads) and equipment, including conveyance (travelling cost of the service provider's personnel shall be arranged and borne by the supplier only, however OIL may provide accommodation and food to service provider's personnel – upto 3 Nos., at rig site on sharing basis), required for preparation, installation and commissioning of Equipment, if any. Required Rig service (if any) shall be provided by the COMPANY.</p> <p>b) BIDDER's personnel are required to carry out the installation & commissioning on "call out" basis. Bidder shall depute their competent personnel within 20 days for Installation and Commissioning of the equipment on receipt of 'call out' notice from the COMPANY. BIDDER to submit an undertaking in this regard along with the technical bid.</p> <p>c) Availing of Installation & Commissioning for all the units is at the sole discretion of the Company. Payment towards Installation & Commissioning shall be made based on the number of the actual services availed. BIDDER to submit an undertaking in this regard along with the technical bid.</p>

8	Page 35 of 99	<p>CLAUSE NO. 4.0 UNDER GENERAL NOTES FOR THERMAL WELLHEADS IN ANNEXURE-E (BID EVALUATION MATRIX - TECHNICAL)</p>	<p>4.0 BOP ram seals shall be of graphite/ Inconel material only. BOP ram seal shall be rated to 2145Psig at 650DegF. Lab test report with temperature cycling required to verify this rating (minimum 3 cycles required, high temperature holding period shall be 48 hours minimum for each cycle). Bidder to provide proven field record of high temperature BOP.</p>	<p>4.0 BOP ram seals shall be of graphite/ Inconel material only. BOP ram seal shall be rated to 2145Psig at 650DegF. Lab test report with temperature cycling required to verify this rating (minimum 3 cycles required, high temperature holding period shall be 48 hours minimum for each cycle). Bidder to provide proven field record of high temperature BOP.</p> <p>Bidder to submit TPI inspection report as per the approved QAP for the test. OIL may depute it's representative to witness the temperature cycling test at manufacture's testing facility for the material.</p>
9	Page 40 of 99	<p>CLAUSE NO. 2.2 (d) UNDER CLAUSE No. 2.0 BIDDER'S EXPERIENCE UNDER CLAUSE NO. A BID REJECTION CRITERIA UNDER BID EVALUATION CRITERIA (BEC)/ BID REJECTION CRITERIA (BRC) IN ANNEXURE-F (BID EVALUATION MATRIX -BID REJECTION CRITERIA)</p>	<p>d) In additional to above, The bidder (the authorised dealer/distributor/supply house of OEM) himself shall have the credential of successful execution of at least one order with minimum quantity not less than 50% of the tender quantity of thermal wellhead of similar specifications having pressure rating indicated in the tender or more in previous five (05) years reckoned from the original bid closing date of the tender to any E & P Company who is in the business of execution of thermal recovery of crude using Cyclic Steam Stimulation (CSS) or Steam Assisted Gravity Drainage (SAGD). The bidder shall have to submit documentary evidence in support of their successful execution of supply order in the form of following documents along with the technical bid:</p> <ul style="list-style-type: none"> i) Copy of Purchase Order/Contract with detailed specification ii) Copy of Tax Invoice/Commercial Invoice / Challans/ Consignee delivery receipts/Bill of Lading iii) Copy of Completion Certificate/Commissioning Report iv) Letter from the Company to whom the bidder has supplied the thermal wellheads stating success of the product v) Company Profile and details of the Company to whom material has been supplied etc. 	<p>d) In additional to above, The bidder (the authorised dealer/distributor/supply house of OEM) himself shall have the credential of successful execution of at least one order for Oil & Gas related equipment as per API standard to any E & P Company in previous five (05) years reckoned from the original bid closing date of the tender. The bidder shall have to submit documentary evidence in support of their successful execution of supply order in the form of following documents along with the technical bid:</p> <ul style="list-style-type: none"> i) Copy of Purchase Order/Contract with detailed specification ii) Copy of Tax Invoice/Commercial Invoice / Challans/ Consignee delivery receipts/Bill of Lading iii) Copy of Completion Certificate/Commissioning Report
10	Page 40 of 99	<p>CLAUSE NO. 2.2 (e) UNDER CLAUSE No. 2.0 BIDDER'S EXPERIENCE UNDER CLAUSE NO. A BID REJECTION CRITERIA UNDER BID EVALUATION CRITERIA (BEC)/</p>	<p>e) Details of successful execution of thermal recovery method (CSS or SAGD) with the wellhead supplied by the bidder has to be submitted by the bidder along with technical bid from the party (On their Letter Head) to whom the wellheads have been supplied.</p>	<p>e) Bidder shall submit an undertaking from its OEM on their letterhead, that in case of award the OEM shall provide all the backup and technical support for Installation and Commissioning of the unit as per the requirement of the Company and scope of the contract/ order, along with the technical bid, failing which their offer shall be rejected.</p>

		BID REJECTION CRITERIA (BRC) IN ANNEXURE-F (BID EVALUATION MATRIX -BID REJECTION CRITERIA)		
11	Page 41 of 99	NOTES UNDER CLAUSE NO. A BID REJECTION CRITERIA UNDER BID EVALUATION CRITERIA (BEC)/ BID REJECTION CRITERIA (BRC) IN ANNEXURE-F (BID EVALUATION MATRIX -BID REJECTION CRITERIA)	NOTES: [i] Manufacturer/ manufacturing mentioned above mean Manufacturer/ manufacturing of Plain end Green Pipe, Coupling Stock through processing, Vacuumization and threading to finished Threaded or Coupled Vacuum Insulated Tubing (VIT). [ii] No change in API mill(s) other than those indicated in the techno-commercial bid will be allowed after placement of order. [iii] The Purchase Orders/contracts date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply must be within 5 (five) years preceding the original bid closing date of this tender. [iv] In the event of any extension to the bid closing date of the tender, the original scheduled bid closing date shall be considered for evaluation of BRC clauses. [v] Against all supporting documents submitted by the bidder along with the technical bid, originals must be kept ready and to be produced for verification of OIL, if called for. [vi] Satisfactory supply/completion/installation report (if submitted) should be issued on client's official letterhead with signature and stamp.	NOTES: [i] The Purchase Orders/contracts date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply must be within 5 (five) years preceding the original bid closing date of this tender. [ii] In the event of any extension to the bid closing date of the tender, the original scheduled bid closing date shall be considered for evaluation of BRC clauses. [iii] Against all supporting documents submitted by the bidder alongwith the technical bid, originals must be kept ready and to be produced for verification of OIL, if called for. [iv] E&P company means Exploration & production company who is engaged in exploration & production of hydrocarbon (crude oil & natural gas).

2.0 All other Terms & Conditions of the Bid Document remain unaltered.

sd/-
A. D. SINGH
Manager (C&P)