

OIL INDIA LIMITED
(A GOVT. OF INDIA ENTERPRISE)
CONTRACTS DEPARTMENT, DULIAJAN
DISTRICT: DIBRUGARH (ASSAM), PIN-786602
TEL: (91) 374-2800548, FAX: (91) 374-2803549
E-mail ID: contracts@oilindia.in;
Website: www.oil-india.com;

AMENDMENT NO. 1 DATED 19.06.2026 TO TENDER NO. CDG2048P27 FOR 'CHARTER HIRE OF ONE (01) NUMBER OF 3000 HP DRILLING RIG PACKAGE IN ASSAM AND ARUNACHAL PRADESH'.

This Amendment to Tender No. **CDG2048P27** is issued to notify about the following:

- i. Amendments to tender clauses are tabulated vide **Annexure-I**, enclosed below.
- ii. OIL's responses to Pre-Bid queries have been uploaded in OIL's e procurement portal under 'Amendments' folder.
- iii. **Bid Closing date & Time extended upto: 7th July, 2026 [11:00 Hrs (IST)]**
- iv. **Technical Bid Opening date & Time: 7th July, 2026 [14:00Hrs (IST)]**

All other Terms and Conditions of the Tender/Bid Document including previous amendments (if any) will remain unchanged.

Sd/-
(Z. Das)
Manager-Contracts(G)
For Chief General Manager-Contracts

ANNEXURE-I

S1 No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
Part-3, SECTION-II: SCOPE OF WORK (SOW) / TERMS OF REFERENCE AND TECHNICAL SPECIFICATIONS OF EQUIPMENT			
1.	Clause 4.3 (Page 101 of 520) And Proforma- TECHNICAL SPECIFICATION EVALUATION MATRIX (Page 402 of 520)	<u>TENTATIVE CASING PROGRAM (SUBJECT TO CHANGE):</u> Most of the wells to be drilled with the rig are planned with minimum 4-1/2" or more casing sizes, depending upon the depths and geological requirements which includes casing and liners in different combinations, i.e., 20" (Surface casing in 26" holes), 13^{5/8}", 13^{3/8}" (Isolation casing in 17^{1/2}" hole), 10^{3/4}", 10" & 9^{5/8}" (Intermediate Isolation casing in 12^{1/4}" and 13^{5/8}" hole) and 7^{5/8}", 7", 5^{1/2}" and 4^{1/2}" (Production casing in 9^{1/2}", 8^{1/2}" and 6" hole). The tentative casing sizes are mentioned in Table No: 1 below. Based on well requirements casing sizes and grades may change, in such cases company will arrange for handling gears, if not mentioned as above or in Table no: 1. However, the Rig should be capable to handle any size of the casing as per well requirement. <u>NOTE ON CLAUSE 4.3 ABOVE FOR CONTINGENCY CASING:</u> In case of any unforeseen circumstances with problem in completing the well with 5^{1/2}" Production/oil string casing then the	<u>TENTATIVE CASING PROGRAM (SUBJECT TO CHANGE):</u> Most of the wells to be drilled with the rig are planned with minimum 4-1/2" or more casing sizes, depending upon the depths and geological requirements which includes casing and liners in different combinations, i.e., 20" (Surface casing in 26" holes), 13^{5/8}", 13^{3/8}" (Isolation casing in 17^{1/2}" hole), 10^{3/4}", 10" & 9^{5/8}" (Intermediate Isolation casing in 12^{1/4}" and 13^{5/8}" hole) and 7^{5/8}", 7", 5^{1/2}" and 4^{1/2}" (Production casing in 9^{1/2}", 8^{1/2}" and 6" hole). The tentative casing sizes are mentioned in Table No: 1 below. Based on well requirements casing sizes and grades may change, in such cases company will arrange for handling gears, if not mentioned as above or in Table no: 1. However, the Rig should be capable to handle any size of the casing as per well requirement. <u>NOTE ON CLAUSE 4.3 ABOVE FOR CONTINGENCY CASING:</u> In case of any unforeseen circumstances with problem in completing the well with 5^{1/2}" Production/oil string casing then the well will be completed by running 7" (29 ppf x N-80 / P-110 x BTC) liner in 8^{1/2}" hole (hanged to 9^{5/8}" casing) & 5" (15 ppf x P-110 x FL4S) liner in 6" hole (hanged to 7" liner) or (6" x 7^{7/8}") expandable liner.

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause																																																																							
		well will be completed by running 7" (29 ppf x N-80 / P-110 x BTC) liner in 8½" hole (hanged to 9⅝" casing) & 5" (15 ppf x P-110 x FL4S) liner in 6" hole (hanged to 7" liner) or (6" x 7⅞") expandable liner. <u>TABLE NO. 1: CASINGS TO BE LOWERED</u> <table><tr><th>Sl No.</th><th>Hole section</th><th>Descrip (Casir</th></tr><tr><td>1.</td><td>26"</td><td>20"</td></tr><tr><td>2.</td><td>24"</td><td>20"</td></tr><tr><td>3.</td><td>17½"</td><td>13⅝"</td></tr><tr><td>4.</td><td>17½"</td><td>13-3/8"</td></tr><tr><td>5.</td><td>12¼" x 13½" (Hole Enlargement)</td><td>10¾"</td></tr><tr><td>6.</td><td>12¼"</td><td>10"</td></tr><tr><td>7.</td><td>9½"</td><td>7⅝"</td></tr><tr><td>8.</td><td>8½"</td><td>7"</td></tr></table>	Sl No.	Hole section	Descrip (Casir	1.	26"	20"	2.	24"	20"	3.	17½"	13⅝"	4.	17½"	13-3/8"	5.	12¼" x 13½" (Hole Enlargement)	10¾"	6.	12¼"	10"	7.	9½"	7⅝"	8.	8½"	7"	<u>TABLE NO. 1: CASINGS TO BE LOWERED</u> <table><tr><th>Sl No.</th><th>Hole section</th><th>Description (Casing)</th><th>Weight , (ppf)</th><th>Grad e</th></tr><tr><td>1.</td><td>26"</td><td>20"</td><td>94</td><td>K-55/X-56</td></tr><tr><td>2.</td><td>24"</td><td>20"</td><td>133</td><td>L-80</td></tr><tr><td>3.</td><td>17½"</td><td>13⅝"</td><td>88.2</td><td>125 ksi (HC*)</td></tr><tr><td>4.</td><td>17½"</td><td>13-3/8"</td><td>68</td><td>N-80</td></tr><tr><td>5.</td><td>12¼" x 13½" (or) 12.1/4" x 14.75" (Hole Enlargement)</td><td>10¾" 11.3/4"</td><td>60.7 60 PPF</td><td>P-110 P-110</td></tr><tr><td>6.</td><td>12¼"</td><td>10"</td><td>73.9</td><td>140 ksi (CY**) </td></tr><tr><td>7.</td><td>12.1/4"</td><td>9.5/8"</td><td>68</td><td>p-110/N-80</td></tr></table>					Sl No.	Hole section	Description (Casing)	Weight , (ppf)	Grad e	1.	26"	20"	94	K-55/X-56	2.	24"	20"	133	L-80	3.	17½"	13⅝"	88.2	125 ksi (HC*)	4.	17½"	13-3/8"	68	N-80	5.	12¼" x 13½" (or) 12.1/4" x 14.75" (Hole Enlargement)	10¾" 11.3/4"	60.7 60 PPF	P-110 P-110	6.	12¼"	10"	73.9	140 ksi (CY**)	7.	12.1/4"	9.5/8"	68	p-110/N-80
Sl No.	Hole section	Descrip (Casir																																																																								
1.	26"	20"																																																																								
2.	24"	20"																																																																								
3.	17½"	13⅝"																																																																								
4.	17½"	13-3/8"																																																																								
5.	12¼" x 13½" (Hole Enlargement)	10¾"																																																																								
6.	12¼"	10"																																																																								
7.	9½"	7⅝"																																																																								
8.	8½"	7"																																																																								
Sl No.	Hole section	Description (Casing)	Weight , (ppf)	Grad e																																																																						
1.	26"	20"	94	K-55/X-56																																																																						
2.	24"	20"	133	L-80																																																																						
3.	17½"	13⅝"	88.2	125 ksi (HC*)																																																																						
4.	17½"	13-3/8"	68	N-80																																																																						
5.	12¼" x 13½" (or) 12.1/4" x 14.75" (Hole Enlargement)	10¾" 11.3/4"	60.7 60 PPF	P-110 P-110																																																																						
6.	12¼"	10"	73.9	140 ksi (CY**)																																																																						
7.	12.1/4"	9.5/8"	68	p-110/N-80																																																																						

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause			Amended Clause					
		9.	6" x 7 ⁷ / ₈ " (Hole Enlargement)	6" (Expandable liner)	8.	10.5" X 22.25" (Hole enlargement t)	E-80 9.5/8"	47	Q-125	
		10.	6"	4½"		12.6	N-80			
		11.	5 ⁷ / ₈ "	4½"	9.	9½" 13.1	7 ⁵ / ₈ " Q125	29.7	P-110	
					10.	8½"	7"	35	Q125	
					11.	6" x 7 ⁷ / ₈ " (Hole Enlargement)	6" (Expandable liner)	20.1	E-80	
					12.	6"	4½"	12.6	N-80	
					13.	5 ⁷ / ₈ "	4½"		Q125	
						5⁷/₈"x7" (Hole Enlargement)	5"	18	P-110	
2.	Part-3, Sec-II,SOW, 5.1 Group-1 A. (Page no 104 of 520)	21. Doghouse/Driller's operating cabin A well-designed comfortable doghouse or driller cabin shall be provided with following conformity: i.All electrical equipment used inside Driller's cabin (if applicable) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-			2.1 Doghouse/Driller's operating cabin A well-designed comfortable doghouse or driller cabin shall be provided with following conformity: i.All electrical equipment used inside Driller's cabin (if applicable) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standard. Details of certification / test reports confirming to the					

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		B of oil mines and shall confirm to IS/IEC/EN: 60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]	above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112].
3.	Part-3, Sec-II,SOW, 5.1 Group-1 A. (Page no 105 of 520)	24. All Lighting fittings & junction boxes used in the rig mast shall be FLP (Ex-d) type. The light fittings shall be energy efficient, preferably LED type.Two (02) numbers FLP (Ex-d) type night aviation warning lights are to be fitted at the top of the mast. These lights shall be operational at all times from the moment the mast is raised and till the mast is finally lowered irrespective of well operation. As per IAF requirements, specifications for the above lights are:- Colour of light: Red (Fixed flashing), Light intensity: 10cd. Additionally, one daylight flasher type aviation warning light is to be fitted at the top of the mast in addition to red aviation warning lights. This light is to be used	24. All Lighting fittings & junction boxes used in the rig mast shall be FLP (Ex-d) type. The light fittings shall be energy efficient, preferably LED type. Four (04) numbers FLP (Ex-d) type night aviation warning lights are to be fitted at the top of the mast. These lights shall be operational at all times from the moment the mast is raised and till the mast is finally lowered irrespective of well operation. As per IAF requirements, specifications for the above lights are:- Colour of light: Red; Light intensity: 10cd. Additionally, one daylight flasher type aviation warning light is to be fitted at the top of the mast in addition to red aviation warning lights. This light is to be used during daytime when the drilling location is situated

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		during daytime when the drilling location is situated within flying zone near IAF airfields. As per IAF requirements, specifications for the above light are: Colour of light: White (Flashing), Light intensity: 20000cd, Flashes per minute: 20-60 flashes per minute.	within flying zone near IAF airfields. As per IAF requirements, specifications for the above light are: Colour of light: White (Flashing), Light intensity: 20000cd, Flashes per minute: 20-60 flashes per minute.
4.	Part-3, Sec-II: SOW, 5.1 Group-1 (B). (Page no 104 of 520)	2. Draw-works to be operated by 2/3 nos. of electric motors of suitable capacity either AC or DC. The motors shall be complete with suitable blowers and ducting. The power rating of the Draw Works motor(s) shall match the mechanical power rating of the offered Draw Works. Bidder shall provide details of all such drilling motors while quoting. Note: All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with Draw-works shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA	2. Draw-works to be operated by 2/3 nos. of electric motors of suitable capacity either AC or DC. The motors shall be complete with suitable blowers and ducting. The power rating of the Draw Works motor(s) shall match the mechanical power rating of the offered Draw Works. Bidder shall provide details of all such drilling motors while quoting. Note: All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with Draw-works shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112.]

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		(Measures relating to safety and electric supply) Regulation 2010, regulation no.110.	
5.	Part-3, Sec-II,SOW, 5.1 Group-1 (C) Page 106 of 520	2. All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with rotary drive motor (if any) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110.The rotary drive system should have forward & reverse speed options.	2. All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with rotary drive motor (if any) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112] . The rotary drive system should have forward & reverse speed options.
6.	Part-3, Sec-II,SOW, 5.1 Group-1 (D) (Page 107 of 520)	8. All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with Top Drive System shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL	8. All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with Top Drive System shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN:60079 standard. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110	no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112.]
7.	Part-3, Sec-II,SOW, 5.1 Group-1 (G) (Page 109 of 520)	8.ELECTRICAL COMPLIANCE: (i) The motors for slush pump shall be complete with suitable blowers and ducting. The slush pumps should have minimum 01 no. of motor each per slush pump at their respective rated capacity. The power rating of the Slush Pump motor(s) shall match the mechanical power rating of the offered Slush Pump. Bidder shall provide details of all such drilling motors along with the bid. (ii) Individual electrical panel for each Slush Pump (03 nos.) for simultaneous operation and Draw-Works shall be available. and all drilling motors shall always be connected to PCR. The system should facilitate for running any two Slush Pumps parallelly in any combination at any point of time. Also, facility to assign/control each of the three (03) Slush Pumps shall be available at D'Console. (iii) All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with slush Pump shall be suitable for use in oilfield hazardous area, Zone-I or	8.ELECTRICAL COMPLIANCE: (i) The motors for slush pump shall be complete with suitable blowers and ducting. The slush pumps should have minimum 01 no. of motor each per slush pump at their respective rated capacity. The power rating of the Slush Pump motor(s) shall match the mechanical power rating of the offered Slush Pump. Bidder shall provide details of all such drilling motors along with the bid. (ii) Individual electrical panel for each Slush Pump (03 nos.) for simultaneous operation and Draw-Works shall be available. All the mud pumps shall be connected & hooked up with PCR in all respect for continuous operations in parallel mode whenever required. Also, facility to assign/control each of the three (03) Slush Pumps shall be available at D'Console. (iii) All auxiliary motors viz. Blower, Lube oil etc. and other electrical equipment used with slush Pump shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification/ test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification/ test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEX accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110 (iv) Light fittings (if any) fitted near the slush pump shall be FLP (Ex-d) type. (v) Super charger motors and other auxiliaries viz. junction boxes etc. shall be FLP (Ex-d) type. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110	no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112.] (iv) Light fittings (if any) fitted near the slush pump shall be FLP (Ex-d) type. (v) Super charger motors and other auxiliaries viz. junction boxes etc. shall be FLP (Ex-d) type. [Ref: Oil Mines Regulation, 2017, Regulation no. 96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112.]
8.	Part-3, Sec-II,SOW, 5.1 Group-1 (H) (Page 111 of 520)	<u>15.ELECTRICAL COMPLIANCE:</u> Supercharger pump motor and other auxiliaries viz. junction boxes etc. shall be FLP (Exd) type. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110	Supercharger pump motor and other auxiliaries viz. junction boxes etc. shall be FLP (Exd) type. [Ref: Oil Mines Regulation, 2017, Regulation no. 96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no. 112.]

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
9.	Part-3, Sec-II,SOW, 5.1 Group-1 (I) (Page 111 of 520)	3. The above power pack shall conform to the following: (i) Power pack and SCR House or AC-VFD system control room to be place outside hazardous area, i.e. at a distance of 30 meters (Minimum) from the well centre. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110	3. The above power pack shall conform to the following: (i) Power pack and SCR House or AC-VFD system control room to be place outside hazardous area, i.e. at a distance of 30 meters (Minimum) from the well centre. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112.]
10.	Part-3, Sec-II,SOW, 5.1 Group-1 (J) (Page 112 of 520)	4.Individual electrical panel for each Slush Pump (03 nos.) for simultaneous operation and Draw-Works shall be available and all drilling motors shall always be connected to PCR. The system should facilitate for running any two Slush Pumps parallelly in any combination at any point of time. Also, facility to assign/control each of the three (03) Slush pumps shall be available at D'Console. 5.SMOKE DETECTION SYSTEM: All the PCRs shall have Smoke detection System, with applicable alarm and indication as per requirement of OISD Std. No: 216 (7.1(xxiv)) for Electrical Safety	Individual electrical panel for each Slush Pump (03 nos.) for simultaneous operation and Draw-Works shall be available. All the mud pumps shall be connected & hooked up with PCR in all respect for continuous operations in parallel mode whenever required. Also, facility to assign/control each of the three (03) Slush pumps shall be available at D'Console. 5.SMOKE DETECTION AND FIRE ALARM SYSTEM: All the PCRs shall have Smoke detection and Fire Alarm System as per requirement of OISD Std. No: 216 for Electrical Safety. Following shall be the scope of supply for the Smoke detection and Fire Alarm System: a. Smoke detector: Photoelectric or Ionized type: minimum 2 nos. per PCR. b. Control Panel with Manual call Point (MCP). c. Internal house buzzer. d. External house Hooter.

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
11.	Part-3, Sec-II, SOW, 5.1 Group-1 (P) (Page no 113 of 520)	CELLAR PUMPS: Cellar pump should be able to transfer/evacuate Drilling fluid/ cuttings/slurry from bottom of the cellar pit (cellar depth=7 ft approx.) to the height of possum belly/ mud nullah without cellar being overflown The pump to be driven by explosion proof electric motor or other means (e.g., pneumatic etc.) complete with all suction and delivery lines, for cellar evacuation. Pump should be suitable for class I, division 2 hazardous areas (as per OSHA) or Zone-I (as per DGMS guideline) and gas group I, IIA & IIB and with Flexible coupling. Alternately, a suitable cellar ejection system is also acceptable. Cellar pump motor and other auxiliaries viz. junction boxes etc. shall be FLP (Ex-d) type. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]. Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102(iv)]. Note for Group - I:	CELLAR PUMPS: Cellar pump should be able to transfer/evacuate Drilling fluid/ cuttings/slurry from bottom of the cellar pit (cellar depth=7 ft approx.) to the height of possum belly/ mud nullah without cellar being overflown The pump to be driven by explosion proof electric motor or other means (e.g., pneumatic etc.) complete with all suction and delivery lines, for cellar evacuation. Pump should be suitable for class I, division 2 hazardous areas (as per OSHA) or Zone-I (as per DGMS guideline) and gas group I, IIA & IIB and with Flexible coupling. Alternately, a suitable cellar ejection system is also acceptable. Cellar pump motor and other auxiliaries viz. junction boxes etc. shall be FLP (Ex-d) type. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112.] Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. However, the said voltage can be up to 250 V, if the on-off control push-button stations or remote controls are housed in an appropriate explosion-proof type enclosure. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 104(iv)]. Note for Group - I: Contractor shall provide maintenance schedules as per OEM of all the critical items like Draw-works, TDS, mud pumps, IC engines etc. prior to completion of mobilization.

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		Contractor shall provide maintenance schedules as per OEM of all the critical items like Draw-works, TDS, mud pumps, IC engines etc. prior to completion of mobilization.	
12.	Part-3, Sec-II,SOW, 5.1 Group-1 Q. HYDRAULIC POWER SLIP Sl. no. 13 of the table (Page 114 of 520)	Casing: 4.1/2, 5", 5 1/2", 7", 7.5/8", 9-5/8", 10, 10.3/4", 13-3/8", 20" and 26"	4.1/2, 5", 5 1/2", 7", 7.5/8", 9-5/8", 10, 10.3/4", 11.3/4" , 13-3/8", 20" and 26"
13.	Part-3, Sec-II,SOW, 5.1 Group-1 (S)1.12 (Page 116 of 520)	Casing Size 4.1/2, 5", 5 1/2", 7", 7.5/8", 9-5/8", 10, 10.3/4", 13.5/8",13-3/8", 20"	Casing Size 4.1/2, 5", 5 1/2", 7", 7.5/8", 9-5/8", 10, 10.3/4", 11.3/4" , 13.5/8",13-3/8", 20"
14.	Part-3, Sec-II,SOW, 5.1 Group-1 -5.2 (A)5. (Page no 117 of 520)	01 (One) double ram BOP, 13.5/8" x 15000 psi (Cameron/Cameron-Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 13.5/8" x 15 M Working Pressure with blind Shear ram of minimum capacity to shear 21.9 PPF 5.1/2" OD D/P S grade, with Rams of 10 3/4", 10", 9 5/8", 7 5/8", 7", 5 1/2", 5", 4 1/2", 3 1/2" and 2 7/8" rams and 4 1/2" to 10 3/4" variable pipe ram. The BOP shall be complete with at least 2 (two) 3 1/16" x 15 M flanged side outlets (i.e., one beneath each set of rams), ring joint gaskets, blind flanges and required stud & nuts	01 (One) double ram BOP, 13.5/8" x 15000 psi (Cameron/Cameron- Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 13.5/8" x 15 M Working Pressure with blind Shear ram of minimum capacity to shear 21.9 PPF 5.1/2" OD D/P S grade, with Rams of 11.3/4" , 10 3/4", 10", 9 5/8", 7 5/8", 7", 5 1/2", 5", 4 1/2", 3 1/2" and 2 7/8" rams and 4 1/2" to 10 3/4" variable pipe ram. The BOP shall be complete with at least 2 (two) 3 1/16" x 15 M flanged side outlets (i.e., one beneath each set of rams), ring joint gaskets, blind flanges and required stud & nuts

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
15.	Part-3, Sec-II,SOW, 5.1 Group-1 -5.2 (A).6 (Page no 117 of 520)	01 (One) single ram BOP, 13.5/8" x 15000psi (Cameron/Cameron-Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 13.5/8" x 15 M Working Pressure with 10 ³ / ₄ ", 10", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 4 ¹ / ₂ ", 3 ¹ / ₂ " and 2 ⁷ / ₈ " rams and 4 ¹ / ₂ " to 10 ³ / ₄ " variable pipe ram. The BOP shall be complete with at least 1 (one) 3.1/16" x 15M flanged side outlets (i.e. beneath the set of ram), ring joint gaskets, blind flange and required stud & nuts.	01 (One) single ram BOP, 13.5/8" x 15000psi (Cameron/Cameron- Schlumberger/ Shaffer/Shaffer – NOV /Hydril/Hydril- GE/ WOM only) having top & bottom flange of 13.5/8" x 15 M Working Pressure with 11.3/4", 10³/₄", 10", 9⁵/₈", 7⁵/₈", 7", 5¹/₂", 4¹/₂", 3¹/₂" and 2⁷/₈" rams and 4 ¹ / ₂ " to 11 ³ / ₄ " variable pipe ram. The BOP shall be complete with at least 1 (one) 3.1/16" x 15M flanged side outlets (i.e. beneath the set of ram), ring joint gaskets, blind flange and required stud & nuts.
16.	Part-3, Sec-II,SOW, 5.1 Group-1 -5.2 (B).2 (Page no 119 of 520)	In case of recertified Choke manifold, recertification should be done as per OISD STD 174 (latest edition), following API 16 C (latest edition) guidelines by an API 16C approved facility having API 16C/API Q1 certification for the specific type of choke manifold. As a proof of recertification bidder should submit the certificate of conformance (COC) and API 16C/API Q1 certification of the facility where it is recertified. The Certificate of conformance (COC) should not be more than 01(One) year old or the certificate should be valid covering the primary contract period including extension, if any from the completion of mobilization of the Rig package.	In case of recertified Choke manifold, recertification should be done as per OISD STD 174 (latest edition), following API 16 C (latest edition) guidelines by an API 16C approved facility having API 16C/API Q1 certification for the specific type of choke manifold. As a proof of recertification bidder should submit the certificate of conformance (COC) and API 16C/API Q1 certification of the facility where it is recertified. The Certificate of conformance (COC) should not be more than 01(One) year old or the certificate should be valid covering the primary contract period including extension, if any from the completion of mobilization of the Rig package. However, if recertification is older than 01 (one) year and validity of recertification does not cover the contract period, then Contractor should arrange to recertify the Choke & Kill Manifold during the execution of contract by providing replacement & acceptable Choke & Kill manifold (having valid recertification in case of old Choke and Kill Manifold). If Contractor fails to

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		Notes: (a) Kill lines should be minimum 2" nominal size and choke line should be minimum 3" nominal size. (b) Size of choke line and choke manifold should be same. Minimum nominal inside ID for downstream chokes shall be equal to or greater than the nominal connection size of the choke inlet and outlet.	provide replacement Choke and Kill Manifold while sending it for recertification but Company decides to continue normal operation, then it will be considered as short supply item and applicable penalty shall be levied on Contractor as per terms and conditions of the contract. Notes: (a) Kill lines should be minimum 2" nominal size and choke line should be minimum 3" nominal size. (b) Size of choke line and choke manifold should be same. Minimum nominal inside ID for downstream chokes shall be equal to or greater than the nominal connection size of the choke inlet and outlet
17.	Part-3,Sec-II,Group-II, 5.2.1.C (page 121 of 520)	vii)BOP motor and other electrical equipment viz. starter, junction box, PBS etc. used with BOP system shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEX accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110 and CEA (Measures relating to	vii)BOP motor and other electrical equipment viz. starter, junction box, PBS etc. used with BOP system shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEX accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112.]

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		safety and electric supply) Regulation 2023, regulation no.112.]	
18.	Part-3, Sec-II,SOW, 5.2.2 (E.1) ELEVATORS (Page 125 of 520)	1. 1 Set consisting of total two nos. 500 tons capacity, 13 ³ / ₈ " spider dressed as elevator and slip complete with all accessories and slip assemblies to handle 4 ¹ / ₂ ", 5 ¹ / ₂ ", 7", 7 ⁵ / ₈ ", 9 ⁵ / ₈ ", 10", 10 ³ / ₄ ", 13 ³ / ₈ " casing.	1 Set consisting of total two nos. 500 tons capacity, 13 ³ / ₈ " spider dressed as elevator and slip complete with all accessories and slip assemblies to handle 4 ¹ / ₂ ", 5" , 5 ¹ / ₂ ", 7", 7 ⁵ / ₈ ", 9 ⁵ / ₈ ", 10", 10 ³ / ₄ ", 11.3/4" and 13 ³ / ₈ " casing.
19.	Part-3, Sec-II: SOW, 5.2.2E.1 ELEVATORS (Page 125 of 520)	4. Two (2) Nos. each of 250 Ton capacity side door elevators suitable for 13.3/8", 10", 10 ³ / ₄ ", 9.5/8", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 5" & 4 ¹ / ₂ " Casings.	Two (2) Nos. each of 250 Ton capacity side door elevators suitable for 13.3/8", 11.3/4" , 10", 10 ³ / ₄ ", 9.5/8", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 5" & 4 ¹ / ₂ " Casings.
20.	Part-3, Sec-II,SOW, 5.2.2E.1 ELEVATORS (Page 125 of 520)	5. One (1) No. each of 4 Ton or 5 Ton capacity Single joint elevators complete with swivel and sling assembly suitable for 26", 20",13.5/8", 13 ³ / ₈ ", 10", 10 ³ / ₄ ", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 5" & 4 ¹ / ₂ " Casings	5. One (1) No. each of 4 Ton or 5 Ton capacity Single joint elevators complete with swivel and sling assembly suitable for 26", 20",13.5/8", 13 ³ / ₈ ", 11.3/4" ,10", 10 ³ / ₄ ", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 5" & 4 ¹ / ₂ " Casings
21.	Part-3, Sec-II,SOW, 5.2.2 E.2 1. A. ROTARY SLIPS (BACK UP EQUIPMENTS] (Page no 126 of 520)	20", 13 ³ / ₈ ", 10", 10 ³ / ₄ ", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 5" and 4 ¹ / ₂ " OD casings	20", 13 ³ / ₈ ", 11.3/4" , 10", 10 ³ / ₄ ", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 5" and 4 ¹ / ₂ " OD casings
22	Part-3, Sec-II,SOW, 5.2.2 E.2 3. ROTARY	3. 1 No. Casing hand slips each for 37 ¹ / ₂ " rotary table for handling: 13.5/8"	3. 1 No. Casing hand slips each for 37 ¹ / ₂ " rotary table for handling: 20", 13.5/8" (OPTIONAL),13 ³ / ₈ ", 11.3/4"

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
	SLIPS (BACK UP EQUIPMENTS] (Page no 126 of 520)	(OPTIONAL),13 ³ / ₈ ", 10 ³ / ₄ " (OPTIONAL), 10" (OPTIONAL), 9 ⁵ / ₈ ", 7.5/8" (OPTIONAL) 7", 5 ¹ / ₂ ", 5" & 4 ¹ / ₂ " casings.	(OPTIONAL) ,10 ³ / ₄ " (OPTIONAL), 10" (OPTIONAL), 9 ⁵ / ₈ ", 7.5/8" (OPTIONAL) 7", 5 ¹ / ₂ ", 5" & 4 ¹ / ₂ " casings.
23.	Part-3, Sec-II,SOW, 5.2.2 E.4CASING FILL UP AND CIRCULATING TOOL (Page no 126 of 520)	Casing fill-up and circulating tool for 26", 20", 13.5/8",13 ³ / ₈ ", 10 ³ / ₄ ", 10", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ " and 4 ¹ / ₂ " OD casings with adequate pressure rating and pressure tested or any other arrangement as per CRT design	Casing fill-up and circulating tool for 26", 20", 13.5/8",13 ³ / ₈ ", 11.3/4" , 10 ³ / ₄ ", 10", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ " and 4 ¹ / ₂ " OD casings with adequate pressure rating and pressure tested or any other arrangement as per CRT design
24.	Part-3, Sec-II,SOW, 5.2.2 E.5 RIG TONGS (Page 127 of 520) and	1.iii) 26",20", 13 ³ / ₈ ", 9 ⁵ / ₈ ", 7.5/8",7", 5 ¹ / ₂ " & 5" OD casings.	1.iii) 26",20", 13 ³ / ₈ ", 11.3/4" , 10.3/4" , 9 ⁵ / ₈ ", 7.5/8",7", 5 ¹ / ₂ " & 5", 4.1/2" OD casings.
25.	Part-3, Sec-II,SOW, 5.2.2 E.6 HYDRAULIC / PNEUMATIC TUBULAR HANDLING TOOLS Page no (127 of 520)	1.Hydraulic power casing tongs (with sufficient back-up) complete with all accessories and hydraulic power unit with suitable prime mover (electric motor or diesel engine), standard accessories and pivot head for: 26", 20",13.5/8", 13.3/8", 10 ³ / ₄ ", 10", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 5" & 4 ¹ / ₂ ". The tongs should be rated for a torque of minimum 35000 ft-lbs casing: 2 Nos.	1.Hydraulic power casing tongs (with sufficient back-up) complete with all accessories and hydraulic power unit with suitable prime mover (electric motor or diesel engine), standard accessories and pivot head for: 26", 20",13.5/8", 13.3/8", 11.3/4" , 10 ³ / ₄ ", 10", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7", 5 ¹ / ₂ ", 5" & 4 ¹ / ₂ ". The tongs should be rated for a torque of minimum 35000 ft-lbs casing: 2 Nos.
26.	Part-3, Sec-II,SOW, 5.2.2 E.6 (Page 127 of 520)	5. Electrical motor and other electrical equipment viz. starter, junction box, PBS etc. used with tubular handling tools shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to	5. Electrical motor and other electrical equipment viz. starter, junction box, PBS etc. used with tubular handling tools shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]	confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2023, regulation no.112.]
27.	Part-3, Sec-II,SOW, 5.2.2 Group-1 F)BIT BREAKER / THREAD PROTECTORS / NOZZLES GAUGE / STABILIZER GAUGE (Page 127 of 520)	1.Atleast one (1) No. each bit breakers for all hole size as described in this document (compatible with master bushing), i.e., 26",24", 17½", 12¼", 9½", 8½", 6",5.7/8" for TCR bits/Milled Toothed bits but not limited. 2. 1 set consisting of 2 nos. each size clamp-on or equivalent casing thread protectors for 20", 13¾", 10¾", 10", 9⅝", 7", 7⅝", 5½", 5" & 4½" sizes. 3. Stabilizer gauges and bit gauges of 20", 17½", 13¾", 12¼", 9½", 8½" sizes. 4. Nozzle gauges for various sizes of nozzles.	1.Atleast one (1) No. each bit breakers for all hole size as described in this document (compatible with master bushing), i.e., 26",24", 17½", 12¼", 10.1/2", 9½", 8½", 6",5.7/8" for TCR bits/Milled Toothed bits but not limited. 2. 1 set consisting of 2 nos. each size clamp-on or equivalent casing thread protectors for 20", 13¾", 11.3/4",10¾", 10", 9⅝", 7", 7⅝", 5½", 5" & 4½" sizes. 3. Stabilizer gauges and bit gauges of 20", 17½", 13¾", 12¼",10.1/2", 9½", 8½",5.7/8" sizes. 4. Nozzle gauges for various sizes of nozzles.
28.	5.2.2 Group-1 H.a) Overshot (Page no 128 of 520)	Releasing and circulating overshot of Bowen Series 150 or Equivalent suitable for operation in 26", 24", 17½", 12¼", 9½", 8½", 7⅝", 6",5.7/8" OD open hole and for operation in 26", 20",	Releasing and circulating overshot of Bowen Series 150 or Equivalent suitable for operation in 26", 24", 17½", 12¼", 10.1/2" , 9½", 8½", 7⅝", 6",5.7/8" OD open hole and for operation in 26", 20", 13.5/8",13⅜", 11.3/4" ,10¾", 10", 9⅝", 7.5/8",7",6" expandable liner

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		13.5/8",13 ³ / ₈ ", 10 ³ / ₄ ", 10", 9 ⁵ / ₈ ", 7.5/8",7",6" expandable liner of OD 6.813 ,6" 5 ¹ / ₂ "and 4 ¹ / ₂ " OD casings to catch all sizes of drill collars, heavy weight drill pipes, drill pipes, tubings and substitutes as provided by the Contractors, with various sizes of spiral grapple, basket grapple, grapple control, mill control packers, lock rings, suitable extension sub and standard & oversized lipped guide. Contractor, in some cases TP fishing services may be deployed and contractor provide all necessary support in this regard.	of OD 6.813 ,6" 5 ¹ / ₂ "and 4 ¹ / ₂ " OD casings to catch all sizes of drill collars, heavy weight drill pipes, drill pipes, tubings and substitutes as provided by the Contractors, with various sizes of spiral grapple, basket grapple, grapple control, mill control packers, lock rings, suitable extension sub and standard & oversized lipped guide. Contractor, in some cases TP fishing services may be deployed and contractor provide all necessary support in this regard
29.	5.2.2 J. CASING SCRAPPER/ROTOVERT (Page 129 of 520) and	01 no. each Casing Scraper (min. 540° contact area) for 20",13.5/8",13.3/8",10 ³ / ₄ ", 10", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7",6.813",5 ¹ / ₂ ", 5" and 4 ¹ / ₂ " OD casings.	01 no. each Casing Scraper (min. 540° contact area) for 20",13.5/8",13.3/8", 11.3/4" , 10 ³ / ₄ ", 10", 9 ⁵ / ₈ ", 7 ⁵ / ₈ ", 7",6.813",5 ¹ / ₂ ", 5" and 4 ¹ / ₂ " OD casings.
30.	5.2.2 M.1 (Page 130 of 520)	5. Readiness of approach road to forward location and plinth shall be the responsibility of OIL. Initial ground clearance of Electrical overhead lines, before ILM, belonging to state Electricity board, tea gardens etc. shall be the responsibility of OIL.	5. <i>Prior to starting of ILM (inter location movements) the readiness of approach road to forward location and plinth shall be the responsibility of OIL. Clearance of Electrical naked overhead lines belonging to state Electricity board, tea gardens etc. shall be the responsibility of OIL.</i>
31.	5.2.2 M.2. 4.f. (Page 132 of 520)	f. During inter location movements, the contractor shall arrange for shutdown/ ground clearance/ temporary lifting of Service Lead-in/ wires/ cables (if required) of Electrical overhead lines belonging to	f. <i>During inter location movements, the contractor shall arrange for shutdown/ ground clearance/ temporary lifting of Service Lead-in/ wires/ cables / raising of lines (if required) of Electrical overhead lines belonging to third parties viz. state electricity board (APDCL), tea gardens etc.</i>

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		third parties viz. state electricity board (APDCL, Arunachal Pradesh Power Dept. etc.), tea gardens etc.	
32.	5.2.2 MISCELLANEOUS TOOLS & EQUIPMENT (Page 132 of 520)	1 No. each of circulating head with hammer union connection for 20", 13.5/8", 13 3/8", 10 3/4", 10", 9 5/8", 7", 7 5/8", 5 1/2", 5" & 4 1/2" BTC/Hunting Lock premium casings, 2 7/8" IF & 2 3/8" IF drill pipes. Note: (Note: In case the connection is different than suitable cross- over sub of minimum length should be provided, like Crossover for 10 3/4", 10", 7 5/8", 7", and 4 1/2" Hunting Lock premium casing to BTC casings but not limited)	1 No. each of circulating head with hammer union connection for 20", 13.5/8", 13 3/8", 11.3/4" , 10 3/4", 10", 9 5/8", 7", 7 5/8", 5 1/2", 5" & 4 1/2" BTC/Hunting Lock premium casings, 2 7/8" IF & 2 3/8" IF drill pipes. Note: (Note: In case the connection is different than suitable cross- over sub of minimum length should be provided, like Crossover for 11.3/4" , 10 3/4", 10", 7 5/8", 7", and 4 1/2" Hunting Lock premium casing to BTC casings but not limited)
	Clause No. 5.3. (R) PERSONNEL TO BE DEPLOYED	1) The Contractor will have to deploy adequate manpower to carry out the required operations. The deployment pattern will be as per the contractor's discretion for all the required services except for the rig operations during drilling & completion phases for which the deployment pattern per day (12 hours shift, day & night and ON-OFF roster) has to be as per the following norm with the indicated key personnel & other personnel:	1) The Contractor will have to deploy adequate manpower to carry out the required operations. The deployment pattern will be as per the contractor's discretion for all the required services except for the rig operations during drilling & completion phases for which the deployment pattern per day (12 hours shift, day & night and ON-OFF roster) has to be as per the following norm with the indicated key personnel & other personnel: The modified list of manpower is attached as Table-Manpower below.
33	Clause 5.3 A. 2. (xv) (Page no. 138 of 520)	xv). Mud agitator motors, desander motor, Desilter motor, centrifuge motor,	xv). Mud agitator motors, desander motor, Desilter motor, centrifuge motor, supercharger motor, degasser

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		supercharger motor, degasser motor (if any), shale shaker motor, trip tank motor, mud mix motors, starter, push button station, junction boxes and all other electrical equipment used with mud system shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification/ test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].	motor (if any), shale shaker motor, trip tank motor, mud mix motors, starter, push button station, junction boxes and all other electrical equipment used with mud system shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification/ test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no.112].
34.	Clause 5.3 A.2(xvi) (Page no. 138 of 520)	xvi) All light fittings used in the mud tank area shall be FLP (Ex-d) type. Adequate lighting shall be provided in the mud tank area. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].	xvi) All light fittings used in the mud tank area shall be FLP (Ex-d) type. Adequate lighting shall be provided in the mud tank area. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no.112].
35.	Clause 5.3 A.2.(xvii) (Page no. 138 of 520)	xvii) Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and electric	<i>Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. However, the said voltage can be up to 250 V, if the on-off control push-button stations or remote controls are housed in an appropriate explosion-proof type enclosure.</i>

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		supply) Regulations, 2010, regulation no. 102(iv).]	[Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 104(iv)].
36.	Clause 5.3 D.2. Page no. 139 of 520	2. There shall be a provision to earth the HSD tanker/bowser at two distinct points during unloading/ loading to/ from the fuel tanks at drilling site. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41 & OISD 216].	2. There shall be a provision to earth the HSD tanker/bowser at two distinct points during unloading/ loading to/ from the fuel tanks at drilling site. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 43 & OISD 216].
37.	Clause 5.3 E.2. Page no. (140 – 142) of 520	2. Lighting Transformer: The voltage for lighting system inside the mine shall not exceed 250V (between phases) if neutral is connected to earth as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 102	2. Lighting Transformer: The voltage for lighting system inside the mine shall not exceed 250V (between phases) if neutral is connected to earth as per CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 104(ii) b.
38.		3. The neutral system should be such that, the earth faults current shall not be more than 750mA in installations of voltage exceeding 250V and up to 1100V system for oil fields. The magnitude of the earth fault current shall be limited to the above value by employing suitable designed restricted neutral system (NGR) of power supply as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 100(1).	Neutral Grounding Resistance: For Main 600 V/415 V transformer neutral of secondary shall be earthed through NGR; and, neutral of the secondary shall not be served for any load. The neutral earthing system should be such that, the earth faults current shall not be more than 750mA in installations of voltage exceeding 250V and up to 1100V system for oil fields. The magnitude of the earth fault current shall be limited to the above value by employing suitable designed restricted neutral system (NGR) of power supply including neutral-ground monitoring protection system as per CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 103(1).

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
39.		4. Earth leakage protective device: All the outgoing feeder for auxiliary motors, lighting, bunk houses and outgoing feeders from standby generator shall be provided with earth leakage protective device so as to disconnect the supply instantly at the occurrence of earth fault or leakage of current. The maximum earth leakage threshold for tripping shall not exceed 100mA under any circumstances as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 42.	4.Earth leakage protective device/Residual current device: All the outgoing feeder for auxiliary motors, lighting, bunk houses and outgoing feeders from standby generator shall be provided with residual current device so as to disconnect the supply at the occurrence of earth fault or leakage of current, having rated residual current and tripping duration as per the relevant standards. <i>The maximum earth leakage threshold for tripping shall not exceed 30mA for Accommodation/ Bunk house power supply or any other lighting supply circuit as per CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 44. Provided further that, the settings of protective relays shall be set between 200 to 400 milliampere for various motor starters and feeders with suitable time delay protection as per CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 103.</i>
40.		5. All the electrical equipment, PCR, Diesel tanks, Mud tanks should be double earthed. The body and neutral earthing shall be separate and the neutral earthing shall be covered always. The earthing system shall be in accordance with CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41 & 101.	5. All the electrical equipment, PCR, Diesel tanks, Mud tanks should be double earthed. The body and neutral earthing shall be separate and the neutral earthing shall be covered always. The earthing system shall be in accordance with CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 43 & 102.

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
41.		6.All metallic body having electrical equipment shall be earthed properly by two separate and distinct connections with suitable earthing strips. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41(xii) & OISD 216].	6.All metallic body having electrical equipment shall be earthed properly by two separate and distinct connections with suitable earthing strips. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 43 & OISD 216].
42.		7. There shall be a provision to earth the HSD tanker/bowser at two distinct points during unloading/ loading to/from the fuel tanks at drilling site. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 41(xii) & OISD 216].	7. There shall be a provision to earth the HSD tanker/bowser at two distinct points during unloading/ loading to/from the fuel tanks at drilling site. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 43 & OISD 216].
43.		9.—All auxiliary motors, lighting, plug/socket, junction box, starter, push button not placed at safe distance (outside 30meters radius from well-centre) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation,	All auxiliary motors, lighting, plug/socket, junction box, starter, push button not placed at safe distance shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].	<i>safety and electric supply) Regulations, 2023, regulation no.112].</i>
44.		13. Power pack and SCR system control rooms or AC-VFD system control rooms to be placed at safe distance, i.e., at a distance of 30 meters (minimum) from the well centre. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.110].	13. Power pack and SCR system control rooms or AC-VFD system control rooms to be placed at safe distance, i.e., at a distance of 30 meters (minimum) from the well centre. [Ref: Oil Mines Regulation, 2017, Regulation no.96 <i>and CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no.112].</i>
45.		21. The entire electrical installation job should be carried out as specified in the latest version of CEA (Measures relating to safety and electric supply) Regulations, 2010 and other relevant standards and precaution should be adopted in the Oil field as specified in the CEA (Measures relating to safety and electric supply) Regulations, 2010.	21. The entire electrical installation job should be carried out as specified in the latest version of CEA (Measures relating to safety and electric supply) Regulations, <i>-2023 and</i> other relevant standards and precaution should be adopted in the Oil field as specified in the CEA (Measures relating to safety and electric supply) Regulations: <i>2023.</i>
46.		22.The power cables used for VFD Drilling motors (if applicable) shall be copper cables of min 2000V grade. The cable insulation and sheath material should be Type-P as per IEEE-1580. The cable shall be suitable for use in oilfield hazardous	<i>22. All Electrical Cables used in the Drilling Rig should be multi core flexible copper cables (armored or screened) of 1000 volts grade, EPR insulated, CSP/NBR sheathed. All electrical cables shall conform to the provisions stipulated in line with IS-9968-1 read with the latest BHEL specifications</i>

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		area, Zone-1 & Zone-2 and Gas group II-A & II-B of oil mines and the cables shall conform to the provisions stipulated in line with IEEE-1580 Type-P with the latest amendments. The cables for DC motors and alternators shall be single core flexible copper cables of minimum 1000 volts grade, EPR insulated, CSP/NBR sheathed. All other Electrical Cables used in the Drilling Rig should be multi core flexible copper cables of minimum 1000 volts grade, EPR insulated, CSP/NBR sheathed. All electrical cables shall conform to the provisions stipulated in line with IS-9968-1 read with the latest BHEL specifications (OR12003, OR12002 & OR12005) as the case may be. If the standard of a particular type of cable is not available in India, the cables must comply relevant International standards (IEC 502) with latest amendments. Ref. to DGMS Tech. Circular (Electrical), (Approval) No. 17 dated 25/05/2015.	<i>(OR12003, OR12002 & OR12005) as the case may be. If the standard of a particular type of cable is not available in India, the cables must comply relevant International standards (IEC 502) with latest amendments. Ref. to DGMS Tech. Circular (Electrical), (Approval) No. 17 dated 25/05/2015.</i>
47.		23. For all hand-held portable apparatus voltage shall not exceed 125 V as per CEA (Measures relating to safety and electric	For all hand-held portable apparatus voltage shall not exceed 125 V <i>as per CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 104 (i).</i>

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		supply) Regulations, 2010, regulation no. 102 (i).	
48.		24. Tri-lingual notices shall be exhibited forbidding unauthorized operation, cautioning the presence of electrical apparatus as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 109 (7(i)).	24. Tri-lingual notices shall be exhibited forbidding unauthorized operation, cautioning the presence of electrical apparatus as per CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 111 (7(i)).
49.		25. Schedule – XIII shall be present and filled as per CEA (Measures relating to safety and electric supply) Regulations, 2010, clause 110 (9) & regulation no. 115(5).	25 Schedule – XI shall be present and filled as per CEA (Measures relating to safety and electric supply) Regulations, 2023, clause 112 (9) & regulation no. 117(9)
50.		26. The switchgear and protective system shall be kept effective, maintained and checked and result shall be recorded as per CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no. 100(3).	26. The switchgear and protective system shall be kept effective, maintained and checked and result shall be recorded as per CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 103(3).
51.		28. Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. [Ref: CEA (Measures relating to safety and electric	28. Remote PBS placed in hazardous area should have intrinsically safe circuits with a maximum of 30 Volts. However, the said voltage can be up to 250 V, if the on-off control push-button stations or remote controls are housed in an appropriate explosion-proof type enclosure. [Ref: CEA (Measures

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		supply) Regulations, 2010, regulation no. 102(iv).].	<i>relating to safety and electric supply) Regulations, 2023, regulation no. 104(iv)].</i>
52.		30. Shock treatment chart should be displayed in the PCR. This should contain telephone number of fire service and other emergency services. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.28 (1) and OISD 216 (Annexure-2&4)].	30. Shock treatment chart should be displayed in the PCR. This should contain telephone number of fire service and other emergency services.— <i>[Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 28(1) and OISD 216 (Annexure-2&4)]</i>
53.		32. All electrical equipment (motors, alternators, Starters, PBS etc.) shall have Danger notices/ caution boards of appropriate voltage. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.18 and OISD 216(Annexure-4)]	All electrical equipment (motors, alternators, Starters, PBS etc.) shall have Danger notices/ caution boards of appropriate voltage <i>[Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no.18 and OISD 216(Annexure-4)]</i>
54.		34. All electrical panels shall be painted with the description of its identification at front and at the rear. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.19(6)]	34. All electrical panels shall be painted with the description of its identification at front and at the rear <i>(Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no.21(6) & 26]</i>

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
55.		35. Insulation mats of appropriate voltage shall be available in all electrical PCRs, stand by alternators and all distribution boards. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.19 (5)].	35. Insulation mats of appropriate voltage shall be available in all electrical PCRs, stand by alternators and all distribution boards. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 21 (5)].
56.		36. All connections to the motors/PBS/junction boxes should be through double compression glands. All the FLP double compression glands are correctly installed and the cable entry is tight. The cable size should match with the gland. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.106 (vi) & OISD 216].	36. All connections to the motors/PBS/junction boxes should be through double compression glands. All the FLP double compression glands are correctly installed and the cable entry is tight. The cable size should match with the gland. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no.108 (vi) & OISD 216].
57.		37. Busbar connections / terminations shall be insulated with appropriate insulating tape; naked joints shall be avoided. Terminal blocks of cable entry shall be covered with hylam or transparent insulating plastic sheet. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2010, regulation no.17 & OISD 216 (7.1(vi))].	37. Busbar connections / terminations shall be insulated with appropriate insulating tape; naked joints shall be avoided. Terminal blocks of cable entry shall be covered with hylam or transparent insulating plastic sheet. [Ref: CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no.19 & OISD 216 (7.1(vi))].

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
58.		38. The following registers/documentation files (minimum) shall be maintained at site: (i) Electrical Log Book Register to maintain records of operational parameters and energy consumption data (every shift) (ii) Daily Progress Report. (iii) Electrical Equipment Maintenance Register (iv) Breakdown Maintenance Register (v) Well Site Inventory Register (vi) Schedule-XIII [of CEA (Measures relating to safety and electric supply) Regulation, 2020] (vii) By-pass register viii. Register for management of change (viii) Earthing resistance value record register (ix) RCBO test record register (x) Filled up tool box talk record file (xi) Closed electrical isolation permit record file (xii) Commissioning record file	COMMISSIONING REPORT & STATUTORY RECORDS: <i>The following minimum reports and records are to be maintained by the Contractor –</i> • <i>Equipment commissioning record and statutory record registers.</i> • <i>Insulation resistance of all motors, generators, cables, distribution board, transformer etc. (in each rig up).</i> • <i>Record of Earth resistance of all electrodes (in each rig up) [CEA Regulation 2023, Reg. 43(x)].</i> • <i>Test record of RCCBs / leakage protection device (once in a year) [Ref CEA Regulation 2023, Reg No. 103(3)].</i> • <i>Maintenance of FLP equipment (yearly).</i> • <i>Log sheet for Mines and Oil-Fields (daily) as per Schedule-XI of CEA Regulation.</i> • <i>Illumination Records.</i> • <i>Any other record that may be required by statutory authorities / Company for operational or safety reasons.</i> • <i>As per DGMS circular & Gazette Notification for Maintenance of register as required by the Mines Act 1952 and Mines Rules, 1955, the forms A, B, D and E have been updated and modified. The above mentioned forms needs to be maintained as per the new format.</i> • <i>All other statutory forms to be maintained in respect to Mines Act, 1952, Mines Rules 1966,</i>

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
			<i>Oil Mines Regulations 2017 and other applicable laws. Responsibility for maintaining of such records shall rest with the Chief Electrician (on behalf of the Contractor).</i> • <i>Electrical Logbook Register to maintain records of operational parameters and energy consumption data (every shift).</i> • <i>Daily Progress Report.</i> • <i>Electrical Equipment Maintenance Register.</i> • <i>Breakdown Maintenance Register.</i> • <i>Well Site Inventory Register.</i> • <i>By-pass register.</i> • <i>Register for management of change.</i> • <i>Filled up toolbox talk record file.</i> • <i>Closed electrical isolation permit record file.</i>
59.		41. All electrical motors, light fitting and other electrical equipment used with Effluent Treatment Plant (ETP)/ VCD package (if any) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX	41. All electrical motors, light fitting and other electrical equipment used with Effluent Treatment Plant (ETP)/ VCD package (if any) shall be suitable for use in oilfield hazardous area, Zone-I or Zone-II and Gas group II-A & II-B of oil mines and shall confirm to IS/IEC/EN: 60079 standards. Details of certification / test reports confirming to the above relevant standard from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulations, 2023, regulation no. 112].

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		notified body shall be submitted. [Ref: Oil Mines Regulation, 2017, Regulation no.96 and CEA (Measures relating to safety and electric supply) Regulation 2010, regulation no.110]. and CEA	
60.		43. All electrical records of the ETP plant should be maintained by the Electrical Supervisor. These records should be presented for scrutiny as and when required by statutory authority / Company. NOTE: The electrical clauses which refers to CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 shall be treated in line with relevant amended clauses in CEA (Measures relating to Safety and Electric Supply) Regulation, 2023.	43. All electrical records of the ETP plant should be maintained by the Electrical Supervisor. These records should be presented for scrutiny as and when required by statutory authority / Company.
61.		New clause	44. <i>In case of 3-phase and 4 wire systems & the middle conductor of a 2 phase 3 wire system - The neutral conductor shall be earthed by not less than two separate and distinct connections with a minimum of two different earth electrodes or such large number as may be necessary to bring the earth resistance of neutral to a satisfactory value [CEA Regulation 41(i)].</i>

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
62.		New clause	45. <i>The bidder should furnish the following along with their techno-commercial bid.</i> <i>(i) Single line Power Flow Diagram of the rig.</i> <i>(ii) A Plan layout of electrical equipment used in the rig.</i> <i>(iii) Details of rig electrical as per the format given in Annexure- Electrical Checklist.</i> <i>(iv) A layout of the complete earthing system including earthing of diesel tanks, PCRs, all motors, motor starters, alternators & any other electrical equipment used for the purpose.</i> <i>(v) For all Electrical equipment used inside hazardous area (within 30 meters from well centre), test reports/ certificates confirming to relevant standards (IS/IEC/EN: 60079) from an Indian government laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of the manufacturer's facility shall be submitted along with the bid and also with the supply of the materials.</i> <i>In case the bidder is unable to provide the test reports/ certificates at the time of bid submission,</i>

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
			<i>then the bidder has to categorically confirm in their offer that “Test reports/ certificates will be submitted along with the supply of materials”.</i>
63.	Clause 5.3 P. Associated Services (Page 160 of 520)	p.)Contractor should employ adequate number of authorized supervisors as per regulation 115 of CEA (Measures relating to safety and electric supply) Regulations, 2010 having relevant experience and possessing appropriate license(s).	p) Contractor should employ adequate number of authorized supervisors as per regulation 117 of CEA (Measures relating to safety and electric supply) Regulations, 2023 having relevant experience and possessing appropriate license(s).
64.	5.3 GROUP – III B) RIG AIR SYSTEM (Page 139 of 520)	1. Two Nos. electric motor driven reciprocating / centrifugal /screw type air compressors each having a discharge capacity of min. 300 CFM FAD at a maximum working pressure 13 BAR, complete with all accessories.	1. Two Nos. electric motor driven reciprocating / centrifugal /screw type air compressors each having a discharge capacity of min. 300 CFM FAD at a maximum working pressure 13 BAR or discharge capacity of minimum requirement as per rig design , complete with all accessories.
65.	5.3 GROUP – III B) RIG AIR SYSTEM (Page 139 of 520)	2. One number cold start compressor (reciprocating / screw type) capacity of minimum 40 CFM FAD at 175 psig rated working pressure, driven by diesel engine.	2. One number cold start compressor (reciprocating / screw type) capacity of minimum 35 CFM FAD at 175 psig rated working pressure, driven by diesel engine.
66.	5.2.2.A TUBULARS- [New/ Premium Grade- (API (NDT) inspection report)] (Page 122 of 520)	Contractor shall provide new/unused Drill pipes and Pup joints. Supporting document in the form of manufacturer's certificate to this effect should be forwarded prior to mobilization. However, Premium grade drill pipes & drill pipe pup joints with recent NDT inspection as per API standard /DS 1 Level 5 Inspection	Contractor shall provide new/unused Drill pipes and Pup joints. Supporting document in the form of manufacturer's certificate to this effect should be forwarded prior to mobilization. However, Premium grade drill pipes (But, remaining thickness should not be less than 90% of original thickness) & drill pipe pup

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		from the OEM or the OEM authorised agency. Necessary documents to be provided including authorization from OEM. But OIL reserves the right to inspect at random and verify through independent NDT inspectors for acceptance. In case of non-acceptance of the drill pipes & drill pipe pup joints due to any discrepancy, contractor shall have to re-inspect the whole drill pipes and drill pipe pup joints in presence of OIL's representative at their own cost.	joints with recent NDT inspection as per API RP 7G Standard Level-5/ TH Hill DS-1 CAT-III standard with documentary evidence may be offered. But OIL reserves the right to inspect at random and verify through independent NDT inspectors for acceptance. In case of non-acceptance of the drill pipes & drill pipe pup joints due to any discrepancy, contractor shall have to re-inspect the whole drill pipes and drill pipe pup joints in presence of OIL's representative at their own cost.
Part-3, SECTION-III: SCC			
67.	Part-3; Section III: SCC, Clause 7.6 (Page No. 167)	Payment of monthly invoices, if undisputed, shall be made within 30 days following the date of receipt of invoice by Company excepting for the first two (2) months and last monthly invoices where some delay (up to two months) may occur.	Payment of monthly invoices, if undisputed, shall be made within 15th day of each month by the Company provided invoices are submitted within 10th of each month along with payment wages to employees by 7th of the respective month (This is except for the first two (2) months and last monthly invoices where some delay (up to two months) may occur.
68.	Part-3; Section III:	New Clause	Contractor shall not engage any person who has attained the age of 60 (sixty) years as a Contract Labour except under Supervisory positions for execution of the contract. "Contract Labour" shall mean any worker hired in or in connection with the

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
			work of an establishment by or through a contractor or sub-contractor, with or without the knowledge of the Principal Employer, as defined under Section 2(m) of the Occupational Safety, Health and Working Conditions Code, 2020.
PROFORMAS, ANNEXURES, APPENDICES, ETC.			
69.	ANNEXURE: HR DEPLOYMENT	GENERAL NOTE TO HR DEPLOYMENT: a. The experiences & qualifications are not exhaustive; however, company may reject or accept a person without assigning any reason. Emphasis for selection shall be on the job performance & output. At Company's own discretion, Company may accept a person relatively under qualified and with less experience on Probation basis for a minimum period of 03(Three) months and if the person has performed, based on his/her performance and output, the person may be accepted for the post.	GENERAL NOTE TO HR DEPLOYMENT: a. The experiences & qualifications are not exhaustive; however, company may reject or accept a person without assigning any reason. b. Emphasis for selection shall be on the job performance & output. At Company's own discretion, Company may accept a person relatively under qualified and with less/relaxed experience on Probation basis for a minimum period of 03(Three) months and if the person has performed, based on his/her performance and output, the person may be accepted for the post. Personnel approved for a particular post may be promoted to higher post if qualification and experience criteria fulfil as per tender/contract requirement after serving for months/years in the existing post, however subject to approval by OIL.
70.	ANNEXURE: HR DEPLOYMENT 16.1.3 JOB TITLE: DRILLER:	1. EXPERIENCE (iv) Should have completed at least one well with depth more than 5000-meter depth or at least 01 (One) well should be of minimum 4500 meters (Measuring Well	1. EXPERIENCE (iv) Deleted.

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		Depth) depth with a minimum displacement of 2000 meters.	
71.	ANNEXURE: HR DEPLOYMENT 16.1.6: JOB TITLE: FLOOR-MAN (RIG MAN OR ROUGHNECKS)	1 (b) EXPERIENCE: (i) 10th passed and above with 5 years' experience in drilling rig including two years as Roughneck / Floor man / Rig man in a drilling rig. OR, 8th standard and above passed with 10 years' experience of working in drilling rig including 4 years as Floor man / Rig man in a drilling rig.	1 (b) EXPERIENCE: (i) 10th passed and above with 5 years' experience in drilling rig including two years as Roughneck / Floor Man / Rig Man or 3 years as Roust About in a drilling rig. OR, 8th standard and above passed with 10 years' experience of working in drilling rig including 4 years as Floor Man / Rig Man or 3 years as Roust About in a drilling rig.
72.	ANNEXURE: HR DEPLOYMENT 16.1.7:	JOB TITLE: ROUSTABOUT (HELPER/ROUGHNECK). 1. (b) EXPERIENCE: The roustabout who is equivalent to roughneck or helper, is typically the entry point for workers in Drilling Rig; hence job specific experience is not required.	JOB TITLE: ROUSTABOUT/HELPER. 1. (b) EXPERIENCE: The Roustabout who is equivalent to helper, is typically the entry point for workers in Drilling Rig; hence job specific experience is not required.
PART-2: BEC			
73.	Addition of new TPI agency in the List of TPI agencies mentioned in BEC clause no. 3.3.8 ii) Note a) 3.3.8 iii), 3.3.9	a. M/s Bureau Veritas b. M/s Det Norske Veritas c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC) d. M/s Oil Field Audit Services	a. M/s Bureau Veritas b. M/s Det Norske Veritas c. M/s Lloyd's Inspection Agency Pvt. Ltd. (Parent Company: Lloyds Inspection Agency America LLC) d. M/s Oil Field Audit Services

AMENDMENT NO. 1/CDG2048P27

Sl No.	Section/Clause No./Page No.	Existing Clause	Amended Clause
		e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.). f. M/s. RITES. g. M/s. I.R.S (IR Class). h. M/s. DNV-GL. i. M/s. Tuboscope Vetco. j. M/s DNV MES India Private Limited.	e. M/s APAVE (Formerly known as M/s ABS Industrial Verification (I) Pvt. Ltd.). f. M/s. RITES. g. M/s. I.R.S (IR Class). h. M/s. DNV-GL. i. M/s. Tuboscope Vetco. j. M/s DNV MES India Private Limited. k. M/s. OMCI Rig Technical & Support Services Pvt. Ltd.

Note: The above amended clauses are also applicable in the Annexures/Proformas/Appendices, etc. wherever present.

Table-Manpower

Table-Manpower						
Sl. No.	Personnel & Designation	Deployment Pattern	Personnel/ shift		Rest/ Off	Total in Pay Roll
A	Key Personnel		Day	Night		
1	Area Manager / Rig Superintendent / Rig Manager	24 hours at site camp.	1		1	2
2	Mechanical Engineer	24 hours at site camp.	1		1	2
3	Electrical Engineer	24 hours at site camp.	1		1	2
4	HSE Officer	24 hours at site camp.	1		1	2
5	Tool Pusher	12 hours	1	0	1	2
6	Tour Pusher / Night Tool Pusher	12 hours	0	1	1	2
7	Driller	12 hours	1	1	2	4
8	Mud Engineer	12 hours	1	1	2	4
9	Assistant Driller	12 hours	1	1	2	4
10	Mechanic	12 hours	1	1	2	4
11	Rig Electrician	12 hours	1	1	2	4
12	Asstt. Electrician	12 hours	1	1	2	4
13	Derrick Man / Top man	12 hours	2	2	4	8
14	Floor Man	12 hours	4	4	8	16
	Sub Total (A)					60
B	Other Personnel					
1	Gas logger cum sample washer	12 hours	1	1	2	4
2	Welder	24 hours at site camp.	1		1	2
3	Heavy Crane Operator	12 hours	1	1	2	4
4	Medico	24 hours at site camp.	1		1	2
	Sub Total (B)					12
5	Waste Management Services (C)	As per Annexure: Waste Management Services				18
6	Roustabout/Helper (D)	Minimum 4 (Four). However, Contractor may deploy more as per requirement at Contractor's discretion but without any additional cost to the Company.				4
7	Catering Personnel & Multipurpose Attendant	As per requirement.				
	Grand Total including ON & OFF = A+B+C+D					94