

MEETING FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND COMPREHENSIVE MAINTENANCE FOR 400 SCMH BOOSTER COMPRESSOR PACKAGE

(TENDER NO. : P.014714 G 11031 R003)

Document No. P.014714 G 11031 R003

Owner: Central UP Gas Ltd. (CUGL)

PMC- Tractebel Engineering Pvt. Ltd.

Pre-bid meeting held on 11.12.2020 at 1500 HRS IST through VC

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					Date: 22.12.2020
l. No. Vol. No.	Tender Page No.	Clause No	Requirement as per tender	Query/Clarification	CUGL / Tractebel's Reply
OMMERCIAL					
1 Volume I of II	34 of 85	12	CONTRACT CUM EQUIPMENT PERFORMANCE BANK GUARANTEE Supply Portion - The SUPPLIER shall furnish performance guarantee in the form of Bank Guarantee/Demand Draft/ Banker cheque to the OWNER, in following manner • For an amount equivalent to 3% of the total contract value (exclusive of GST) i.e. Supply, Transportation, Erection, Commissioning & PAT charges against the contract. (The validity of BG shall be Rate Contract Issue Date (Start Date of Rate Contract) + Rate contract Period (validity of Rate Contract) + Contractual Delivery Period of material + Contractual Guarantee/warranty period + 3 month) • For an amount equivalent to 7% of the order value (exclusive of GST) i.e. Supply, Transportation, Erection, Commissioning & PAT charges against each order. (Validity of BG shall be DO Issue Date + Contractual Delivery Period of material + Contractual Guarantee/warrantee period + 3 months) • Operation & Comprehensive Maintenance - Supplier shall submit Bank Guarantee for 10% of annualized value of AMC charges exclusive of GST (Operation & Maintenance) before start of AMC period of each year. Original Performance Securities should reach the office of M/s CUGL, 7th floor UPSIDC complex, A-1/4, Lakhanpur, Kanpur.	Performance Bank Guarantee by the Ministy of Finance as per memorandum under reference, PBG value has reduced to 3% instead of exiting 10%.(Govt, Notification Attached) Please amendment the same.	Tender condition prevails.
2 Volume I of II	35 OF 85	19.1	This warranty shall remain valid for twelve (12) months from the date of performance test of compressor package at site. However, if performance test doesn't get carried out, within twenty days of commercial operation or 400 hrs of commercial operation, for reasons directly attributable to client/purchaser, then warranty period shall start from the date of completion of 20 days or 400 hours of successful commercial operation and issue of instructions for the commencement of commercial operation shall be issued by the owner.	Standard warranty period is 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier. Please amend the same accordingly.	Tender condition prevails.
3 Volume I of II	56 of 89	14.1	TERMS OF PAYMENTS Payment towards Supply i) 80% (Eighty Percent) Payment shall be released on receipt of booster compressor package at CUGL's store/ site against submission of dispatch documents, manufacturer's certificates, invoice, packing list, insurance policy, guarantee/warranty certificate, inspection release note & dispatch clearance issued by the Owner & material receipt certificate issued by Purchaser. ii) 10% (Ten Percent) Payment shall be released after successful completion of installation, Testing and Commissioning of each booster compressor package at the site and Acceptance thereof by the OWNER. iii) Balance 10% (Ten Percent) shall be released after successful Performance acceptance Test at site and acceptance by owner for each booster compressors. In case Installation, Testing & Commissioning and Performance Acceptance Test could not be executed within 120 days from the date of receipt of compressors at site/ store due to reasons attributable to Purchaser, the 20% payment shall be released against submission of BG valid till the Guarantee / Warranty period.	Payment terms proposed by IGL is not acceptable. Our payment terms shall be as under:- 90% towards supply of equipment to be released within 15 days and balance 10% to be released after installation, commissioning & PG Test or within 120 days whichever is earlier and without submission of additional Bank Guarantee as it is not possible to block heavy amount towards the same.	Bidder to refer Corrigendum#2





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4	Volume I of II			Further to the VC held yesterday, enclosed please find office Memorandum No. F.9/4/2020-PPD issued by Ministry of Finance reducing the amount of security from 10% to 3%. On the similar ground M/s. TNGCL has already accepted to return back the excessive amount of bank guarantees. You are, therefore, requested to consider issue of amendment with regard to performance bank guarantee clause of the tender under reference. Your immediate reply will be highly appreciated.		Tender condition prevails.
5	Volume I of II	IFB 6.0 Bid Evaluation Criteria	7 of 85	6.1 Technical 6.1.1 The bidder shall have the single point responsibility for manufacturing / packaging, supplying, installation and commissioning of 250 SCMH or more Capacity Motor Driven Hydraulic CNG Booster Compressor Package and should have supplied at least 03 nos. of 250 SCMH or more capacity Motor driven Hydraulic booster compressors suitable for operation at suction pressure in the range of 30-200 Bar, discharge pressure of 250 Bar in the last seven years reckoned from the bid due date. 6.1.2 Above supplied packages should have completed continuous trouble-free operation for minimum 4000 hours as on bid due date. The compressor block proposed in the bid shall be of same make and model as used in these Motor driven Hydraulic CNG Booster compressor packages. 6.1.3 The bidder directly or through their authorized agencies, should have provided Operation & Maintenance services to at least 03 nos. Motor driven Hydraulic booster compressors for a period of not less than two years as on bid due date. The period for trouble free operation & maintenance services shall be in the last seven years reckoned from the bid due date. 6.1.4 Any Compressor Block OEM fulfilling the criteria at 6.1.1, 6.1.2 & 6.1.3 above may also authorize their sales & service dealer OR Packager to quote on their behalf subject to fulfilling the conditions in the notes at (A) & (B) respectively.	Compressor or OEM Authorized Service Partner (ASP)) shall have the single point responsibility for Engineering, manufacturing / packaging, supplying, installation and commissioning of 250 SCMH or more average Capacity Motor Driven Hydraulic CNG Booster Compressor Package and should have supplied at least 01 no. of 250 SCMH or more average capacity Motor driven Hydraulic booster compressors suitable for operation at suction pressure in the range of 30-200 Bar, discharge pressure of 250 Bar in the last three years reckoned from the bid due date. 6.1.2 Above supplied package should have been commissioned successfully as on bid due date. The compressor block proposed in the bid shall be of same make as used in the Motor driven Hydraulic CNG Booster Compressor package, supplied earlier. 6.1.3 The bidder directly or through their authorized agencies, should have provided Operation & Maintenance services to at least 01 no of Booster/ Reciprocating online CNG compressors for a period of not less than 6 months as on bid due date. The period for trouble free Operation & Maintenance services shall be in the last three years reckoned from the bid due date.	Tender condition prevails.
6	Volume I of II	IFB 6.0 Bid Evaluation Criteria	7 of 85	6.2.1 Turnover The minimum Annual Turnover achieved by the bidder as per their audited financial statements of any one of the three (03) preceding financial years should be Rs. 197.90 Lakhs. 6.2.2 Net Worth Net worth of the bidder shall be positive as per audited financial statements of immediate preceding financial year. 6.2.3 Working Capital The working capital of the bidder should be minimum Rs. 39.58 Lakhs as per audited annual financial statement of the immediate preceding financial year. (If the bidder's working capital is inadequate, the bidder should submit a letter from the Bidder's bank (as per Format F - 15 attached with section V (Forms & Format) of the tender) having net worth not less than Rs. 100 Crores, confirming the availability of the line of credit at least for the working capital requirement as stated above.)	The minimum Annual Turnover achieved by the bidder as per their audited financial statements of any one of the three (03) preceding financial years should be Rs. 197.90 Lakhs. However, those companies registered under MSME / Start-up companies do not meet the turnover criteria should have minimum net worth of Rs. 50 lakhs at the time of bidding and the same should be certified by the statutory auditor. 6.2.2 Net Worth Net worth of the bidder should be positive as per the immediate preceding year's audited financial results. 6.2.3 Working Capital The working capital of the bidder should be minimum Rs. 39.58 Lakhs as per audited annual financial statement of	Tender condition prevails.





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7 Volun	me I 6	IFB 6.0 Bid 7 of 85 Evaluation Criteria	Note: Documents Required for meeting BEC • Purchase order (s)/ Work Order (s) • Inspection release note(s)/ Dispatch clearance note issued by Purchaser/ Consultant or their authorized representative/ copy of invoices for relevant orders. • Performance certificate issued by end user / authorized representative • Documentary proof of providing Operation & Maintenance service for two years • Annual audited reports complete in all respect of last three financial years.	We request to accept following documents in support to BEC • Purchase order (s)/ Work Order (s) • Inspection release note(s)/ Dispatch clearance note issued by Purchaser/ Consultant or their authorized representative/ copy of invoices for relevant orders. • Commissioning certificate issued by end user / authorized representative • Documentary proof of providing Operation & Maintenance service for minimum 6 months. • Annual audited reports complete in all respect of last three financial years.	Tender condition prevails.
8 Volum of I	II I	IFB 6.0 Bid Evaluation 8 of 85 Criteria	Special Notes	We request to revise the notes as per enclosed Proposed BEC document. Pease refer the attachment.	Tender condition prevails.
9 Volum of I	me I I	OF STORES / 9 of 89	Delivery Period for 1st lot - Within 12 weeks on FOT Store / Site basis in Kanpur, Unnao, Bareilly & Jhansi cities from date of LOI Delivery Period for subsequent lots — Within 12 weeks on FOT Store / Site basis in Kanpur, Unnao, Bareilly & Jhansi cities from date of intimation from CUGL	The major components of compressor like motor, pump have standard delivery period of 13 to 14 weeks. Also, considering current market requirement, our vendors are completely loaded. In view of the same, request you to amend the delivery period as 20 weeks instead of 12 weeks	Tender condition Prevails.
10 Volum of I		14.1 Payment 55 of 89	Payment towards Supply i) 80% (Eighty Percent) Payment shall be released on receipt of booster compressor package at CUGL's store/ site against submission of dispatch documents, manufacturer's certificates, invoice, packing list, insurance policy, guarantee/warranty certificate, inspection release note & dispatch clearance issued by the Owner & material receipt certificate issued by Purchaser. ii) 10% (Ten Percent) Payment shall be released after successful completion of installation, Testing and Commissioning of each booster compressor package at the site and Acceptance thereof by the OWNER. iii) Balance 10% (Ten Percent) shall be released after successful Performance acceptance Test at site and acceptance by owner for each booster compressors. In case Installation, Testing & Commissioning and Performance Acceptance Test could not be executed within 120 days from the date of receipt of compressors at site/ store due to reasons attributable to Purchaser, the 20% payment shall be released against submission of BG valid till the Guarantee / Warranty period.	We propose following payment terms against supply A) 90% of supply value including string test as applicable will be paid progressively by Owner within 30 days against receipt of material / equipment at site against indiviadual package. B) 10% payment: On completion of Installation, erection, alignment and commissioning of each compressor units. However, if, commissioning could not be completed within 90 days after supply10% payment against erection and commissioning shall be released to the successful bidder against receipt of declaration that bidder will complete E/T/C as per client instruction.	Bidder to refer Corrigendum#2
11 Volun		14.1 Payment towards Supply 55 of 89	Balance 10% (Ten Percent) shall be released after successful Performance acceptance Test at site and acceptance by owner for each booster compressors.	We have experienced in the past that PT of packages are delayed due to external circumstances which are not in our control. In view of it, balance 10% payment should not be related to performance acceptance test. The remaining 10% payment must be released immediately after commissioning/considering some grace period after Supply.	Bidder to refer Corrigendum#2
12 Volum of I		towards Supply	In case Installation, Testing & Commissioning and Performance Acceptance Test could not be executed within 120 days from the date of receipt of compressors at site/ store due to reasons attributable to Purchaser, the 20% payment shall be released against submission of BG valid till the Guarantee / Warranty period.	We request you to change this clause as, "In case Installation, Testing & Commissioning and Performance Acceptance Test could not be executed within 60 days from the date of receipt of compressors at site/ store due to reasons attributable to Purchaser, the 10% payment shall be released against undertaking by the bidder that bidder will complete installation, Testing, Commissioning & Performance acceptance Test as per instructions of EIC. Kindly confirm	Bidder to refer Corrigendum#2
13 Volum of I	11 11	PERFORMANC E GUARANTEE	Supply Portion - The SUPPLIER shall furnish performance guarantee in the form of Bank Guarantee/Demand Draft/Banker cheque to the OWNER, in following manner • For an amount equivalent to 3% of the total contract value (exclusive of GST) i.e. Supply, Transportation, Erection, Commissioning & PAT charges against the contract. (The validity of BG shall be Rate Contract Issue Date (Start Date of Rate Contract) + Rate contract Period (validity of Rate Contract) + Contractual Delivery Period of material + Contractual Guarantee/warranty period + 3 month) • For an amount equivalent to 7% of the order value (exclusive of GST) i.e. Supply, Transportation, Erection, Commissioning & PAT charges against each order. (Validity of BG shall be DO Issue Date + Contractual Delivery Period of material + Contractual Guarantee/warrantee period + 3 months)	We request you to amend the performance guarantee clause for supply as," Bidder will submit 3% of individual call up order or release order and Validity of BG shall be DO Issue Date + Contractual Delivery Period of material + Contractual Guarantee/warrantee period + 3 months)". Kindly confirm	Tender condition prevails.





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14	Volume I of II	12. PERFORMANC E GUARANTEE	38 of 89	Operation & Comprehensive Maintenance - Supplier shall submit Bank Guarantee for 10% of annualized value of AMC charges exclusive of GST (Operation & Maintenance) before start of AMC period of each year	We request you to amend the performance guarantee clause for operation and comprehensive maintenance as," Supplier shall submit Bank Guarantee for 3% of annualized value of AMC charges exclusive of GST (Operation & Maintenance) before start of AMC period of each year"	Tender condition prevails.
15	Volume I of II	20.0 PRICE REDUCTION SCHEDULE	59 of 89	Maximum PRS will be 5% of value of each lot inclusive of Supply, Installation, Testing and Commissioning and Performance Acceptance Test	The maximum value of delay discount must be limited to 5% (five percent) of undelivered basic supply value of individual package and not total basic order value. Request to kindly modify the clause.	Refer SCC clause no. 20.0 page 55 of 85. Tender condition prevails.
16	Volume I of II			Delivery period	We request you to consider the delivery period from the date of approval of drawing.	Tender condition prevails
17	Volume I of II	35.0 REPEAT ORDER	29 of 89	PURCHASER reserves the right, within 12 months of order, to place repeat order up to 100% of the total order value without any change in unit price or other terms and conditions.	This repeat order shall be decided on mutual agreement between client and supplier. Kindly confirm	Tender condition prevails
18	Volume I of II			Change in law	We presume that, if there is any variation in statutory requirement or if there is any change in law by way of any new rule/act; the commercial impact due to this shall be compensated by client. Please Confirm.	Tender Condition prevails.
19	Volume I of II				As this contract is for 2 years ARC and 5 years O & M, it will not be possible to forecast rise in minimum wages for this much duration hence we have consider 6% escalation in minimum wages year on year basis. Any rise in minimum wages higher than 6% will be compensated by client Please confirm.	Tender Clause no. 21 of SCC is explicitly clear. Tender condition prevails.
20	Volume I of II	4.0 TYPE AND DURATION OF CONTRACT	9 of 89	Operation and Comprehensive Maintenance service shall be 66 months from the date of receipt of last booster compressor of each lot at store /site. The rates as given in Purchase order for Supply, Transportation, Erection, Testing, Commissioning, PAT, Operation and Comprehensive Maintenance services shall be valid for this contract duration as mentioned above	Operation and comprehensive maintenance service shall be 60 months from date of receipt of last booster compressor of each lot at store/site. Kindly confirm	Tender condition prevails.
21	Volume I of II	9.1 Warranty Period	57 of 89	The warranty shall remain valid for twelve (12) months from the date of successful performance acceptance test of booster compressor package at site. However, if performance test doesn't get carried out, within twenty days of commercial operation or 400 hrs of commercial operation, for reasons directly attributable to client/purchaser, then warranty period shall start from the date of completion of 20 days or 400 hours of successful commercial operation subject to issue of certificate by CUGL for the commencement of commercial operation. OR Twenty Four (24) months from the date of delivery of last compressors of each lot at CUGL store / site. whichever is earlier	The DLP should be The CONTRACTOR shall guarantee the installation/WORK for a period of 12 months from the date of Commissioning or 18 months from the date of supply (on FOT site/ FOT SGL store basis, as the case be), whichever is earlier. Kindly Confirm	Tender condition prevails.
22	Volume I of II			Regarding installation and commissioning and O&M of Booster Compressors	There is no clarity on Maximum Commissioning time after Supply of Package in tender. As per our past experience, It take many months to commission the packages after Supply. In view of it, kindly confirm that Commissioning shall be done within maximum 2 months from the date of supply of Package. In case of any delay, balance payment of packages shall be made with underatking from Supplier that they will do commissioning immediately after notification from Client.	Clause no. 19.2 of SCC is explicitly clear. Tender Condition prevail.





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23	Volume I of II	6	10 of 89	6.1.1 The bidder shall have the single point responsibility for manufacturing / packaging, supplying, installation and commissioning of 250 SCMH or more Capacity Motor Driven Hydraulic CNG Booster Compressor Package and should have supplied at least 03 nos. of 250 SCMH or more capacity Motor driven Hydraulic booster compressors suitable for operation at suction pressure in the range of 30-200 Bar, discharge pressure of 250 Bar in the last seven years reckoned from the bid due date. 6.1.2 Above supplied packages should have completed continuous trouble-free operation for minimum 4000 hours as on bid due date. The compressor block proposed in the bid shall be of same make and model as used in these Motor driven Hydraulic CNG Booster compressor packages. 6.1.3 The bidder directly or through their authorized agencies, should have provided Operation & Maintenance services to at least 03 nos. Motor driven Hydraulic booster compressors for a period of not less than two years as on bid due date. The period for trouble free operation & maintenance services shall be in the last seven years reckoned from the bid due date. 6.1.4 Any Compressor Block OEM fulfilling the criteria at 6.1.1, 6.1.2 & 6.1.3 above may also authorize their sales & service dealer OR Packager to quote on their behalf subject to fulfilling the conditions in the notes at (A) & (B) respectively.	We presume that, the Hydraulic CNG Booster Compressor Package supplied on wetlease basis will also be considered for qualification purpose. Kindly confirm.	Supply of CNG Booster compressors on wetlease basis can be considered subject to meeting BEC requirement. Tender Condition Prevails.
24	Volume I of II	14.1	55 of 89 Commercial Volume I of II	14.0 TERMS OF PAYMENTS 14.1 Payment towards Supply i) 80% (Eighty Percent) Payment shall be released on receipt of booster compressor package at CUGL's store/ site against submission of dispatch documents, manufacturer's certificates, invoice, packing list, insurance policy, guarantee/warranty certificate, inspection release note & dispatch clearance issued by the Owner & material receipt certificate issued by Purchaser. ii) 10% (Ten Percent) Payment shall be released after successful completion of installation, Testing and Commissioning of each booster compressor package at the site and Acceptance thereof by the OWNER. iii) Balance 10% (Ten Percent) shall be released after successful Performance acceptance Test at site and acceptance by owner for each booster compressors. In case Installation, Testing & Commissioning and Performance Acceptance Test could not be executed within 120 days from the date of receipt of compressors at site/ store due to reasons attributable to Purchaser, the 20% payment shall be released against submission of BG valid till the Guarantee / Warranty period. Supply Payment will be released within 30 days from the date of receipt of clear Invoices along with documents	Release of Balance 20% payment is not acceptable. For Small Scale Unit like us delay in realization of 10% Supply payment is not bearable. The time defined i.e. 20% payment after 120 days after delivery of material whichever is earlier is a very long period. In view of the above TGT request release of balance 20% payment within 60 days of delivery of material without submission of any Bank Guarantee.	Bidder to refer Corrigendum#2
25	Volume I of II	5.1		Delivery Period for Lot 1 st - Within 12 weeks on FOT Store / Site basis in Kanpur, Unnao, Bareilly & Jhansi cities from date of LOI. Delivery Period for Subsequent lots - Within 12 weeks on FOT Store / Site basis in Kanpur, Unnao, Bareilly & Jhansi cities from date of intimation from CUGL	TGT required Delivery period Lot 1st – within 18 weeks from the date of LOI. Subsequent Lots- within 18 weeks from the date of intimation from CUGL	Tender condition prevails
26	Volume I of II	14/14.1	55 of 89	Payment towards supply	Kindly release the balance 20% payment after Installation, Testing & Commissioning and Performance Acceptance Test if same could not be executed within 90 days from the date of receipt of compressors at site/ store due to reasons attributable to Purchaser, then 20% payment Shall be released immediately.	Bidder to refer Corrigendum#2





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TECHNICAL	1				
27 Volume II of II	16 of 92	4.4	2 Nos. Mass flow meter to measure the Natural Gas consumption at packages inlet and package discharge (both Coriolis type) with online test arrangment.	Essentially flow meter is required by all CDGs only on suction line. Therefore we feel that additional flow meter at discharge line is not required. It will just add a considerable cost of compressor's package. Please confirm.	Tender condition Prevails.
28 Volume II of II	17 of 92	4.28	2 sets of following items along with each package: LCV filling hose (Synflex / Parker / Eaton) with Breakaway (OPW/PARKER/WEH/Staubli) & Quick Release Coupling (QRC) shall be in bidder's scope of supply. LCV filling Hose shall be of minimum 4.5 mtrs. long and shall have ½ "Parker make Quick Release Coupling (QRC) connected to it to be provided by the bidder. Long refilling Hose (3.5 Mtr. before Break Away + 1 Mtr. after Break Away) should be provided with protective guard. Hose crimp to be provided with protective sleeve. Hose crimp should be of SS and have protection Sleeve. Filling post to be supplied with 4" Pressure Gauge for pressure monitoring of CNG. Supply & Installation of Filling Post (150 MM wide & 3mtr in height) and Hose Assembly with Breakaway / QRC shall be in bidder's scope. Cost of these items shall be included in supply cost of the booster compressor and no separate payment shall be given for these items. Hose will be installed with ¾" OD Three Way Ball Valve. Bidder to select end connection of Hose accordingly.	We provide LCV Filling Post / loading Panel with Mass Flow Meter which includes 1 hose. Please confirm if you require additional 2 sets of hoses.	As mentioned, 2 sets of Complete LCV fill post including all items shall be supplied. Tender condition Prevails.
29 Volume II of II	19 of 92	6.4	UTILITIES Air dryer suitable for automatic operation shall also be supplied along with all accessories.	We will provide heatless air dryer in place refrigerent type air dryer system. So request you to allow the same. We have provided in most of the packages to other CGDs.	Bidder may supply his Proprietary design, subject to compliance of Tender Requirement. However the same must have been supplied in the past and minimum 1qty.to CNG application. The component should be listed in the Type Approval issued by PESO to the Bidder. Bidder shall submit proof during detailed engineering stage for approval.
30 Volume II of II	19 of 92	6.5	Air compressor, drier and air receiver for instrument air, shall be kept off the package in safe area or owner's building.		Tender condition Prevails.
31 Volume II of II	19 of 92	6.13	All cabling (supply & laying) from electrical room to booster compressor shall be in bidder's scope.	We will supply main incoming cable of 50 mtrs. only. Laying through GI conduit/trenches shall be in the scope of M/s. CUGL Please confirm.	Noted. Max. Length shall be considered as 50 meters.
32 Volume II of II	28 of 92	9.28	Electrical Systemp: The power factor (PF) of the whole electrical system should not be below 0.95. Motor feeder shall be provided with energy meter, heavy duty switch, HRC link type with single phase presenter fuses, contractors (AC-3 Duty), bi-metal relay switch fuse unit, voltmeter, push buttons, earth leakage relays, indication lamps for start/stop/trip/ etc. Ammeters shall be provided for all motors above 3.7. KW rating. Stop push buttons shall be lockable and have stay put except in case of critical devices such as lube oil pumps etc	Capacitor Bank is not required and it is not possible to provide this provision in flame proof compressor panel due to excess heat in capacitor bank. We request you to take capacitor bank in scope of CUGL & insatall the same in PDB room if required.	Bidder understanding is correct.





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33	Volume II of II	35 of 92	12.4	Field Trial Run Bidder shall conduct a field trial run of each compressor package for 72 hrs. (can be in multiple runs) at CNG Station as per	From our past experience we have observed that due to insufficient load/ no sales at the newly commissioned outlet it becomes very difficult to conduct Field Trial Run of 72 hours duration with very low sales to empty the LCV cascades. We therefore request you to amend the same to read as 45 to 60min. OR Empty LCV Cascade shall be provided by CUGL to conduct the FTR for 2 hours. Please confirm.	Field Trial Run for 72 hours an be completed in Multiple runs in order to establish continuous trouble free running of packages. Tender condition Prevails
34	Volume II of II	36 of 92	12.6	Performance Acceptance Test (PAT) Performance test shall be conducted at site for minimum 4 hours continuous duration at guaranteed parameters as quoted by the bidder	From our past experience we have observed that due to insufficient load at the outlet it becomes very difficult to conduct Performance Acceptace test of 4 hours duration with very low sales to empty the LCV cascades. We therefore request you to amend the same to read as 45 to 60 min. In case of no load at the outlet (minimum sale 1500 kg/day), empty LCV Cascade shall be provided by CUGL to conduct to PAT. Please confirm.	If load is not available at site intermittent running for 4 hours shall be permitted with maintaining minimum continuous operation of ½ hour. Tender condition Prevails
35	Volume II of II	38 of 92		GUARANTEE, LOADING AND PENALTY CRITERIA: 4 hours to 12 hours: Rs. 5,000/- per day Beyond 12 hours: Rs. 10,000/- per day. In case there is a continuous breakdown beyond 72 hours up to 15 days of a calendarmonth, 50% of monthly maintenance charges excluding operational part will be deducted. iv. In case there is a continuous breakdown beyond 15 days of a calendar month, Entire Monthly Maintenance charges shall be deducted. v. In case there is a continuous breakdown beyond 30 days of a calendar month, Entire Monthly Maintenance and operation charges shall be deducted. In case of daily availability is 20 hrs. but monthly average availability is below 98%. Then penalty @ of 10,000 per % or part thereof shall be applicable.	Penalty proposed by M/s CUGL is very high and not acceptable. Penalty for non availability of compressor would be applicable as follows:- a) In case the equipment is down for more than 4 hours to 12 hours on any day then penalty @ Rs.2500/- shall be applicable. b) In case the equipment is down for more than 12 hours to 48 hours on any day then penalty @ Rs.5000/-shall be applicable. c) In case monthly availability is below 97.5% then penalty @ Rs.5000/- per %(percentage) or part there of shall be applicable. d) Maximum penalty imposed in a particular month for non-availability in any case would not exceed 25% of monthly bill/ value of work done at a particular DBS in a particular month.	Tender condition Prevails
36	Volume II of II	38 of 92	13	b) On schedule maintenance day: i)The party would be required to carry out the recommended schedule/preventive maintenance of the equipment's for which the party has to indicate the time required for each type of schedule maintenance. ii. If the equipment is down for beyond the time indicated for the agreed schedule maintenance, the party would be penalized as per follows: Upto 4 hours: Nil 4 hours to 12 hours: Rs. 5,000/- per day Beyond 12 hours: Rs. 10,000/- per day. iii. Scheduled Maintenance to be notified by for every month and for the next month with downtime forecast. iv. In case there is a continuous breakdown beyond 72 hours up to 15 days of a calendar month, 50% of monthly maintenance charges excluding operational part will be deducted.	Penalty proposed by M/s CUGL is very high and not acceptable. We request to amend the penalty as follows:- a) In case the equipment is down for more than 4 hours to 12 hours on any day then penalty @ Rs.2500/- shall be applicable. b) In case the equipment is down for more than 12 hours to 48 hours on any day then penalty @ Rs.5000/-shall be applicable. d) Maximum penalty imposed in a particular month for any case would not exceed 25% of monthly bill/ value of work done at a particular DBS in a particular month.	Tender condition Prevails
37	Volume II of II			FLP Motor	Please add OME s.r.l Italy Motor as M/s Crompton Greaves has shut down the manufacturing and there is delivery and quality issue with M/s Bharat Bijlee we have started using OME s.r.l. Motors. OME s.r.l. Motor has been approved by SGL, MNGL, IndianOil-Adani Gas and Green Gas. These motors have been approved by PESO.	





MEETING FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND COMPREHENSIVE MAINTENANCE FOR 400 SCMH BOOSTER COMPRESSOR PACKAGE

(TENDER NO. : P.014714 G 11031 R003)

Document No. P.014714 G 11031 R003

Owner: Central UP Gas Ltd. (CUGL)

PMC- Tractebel Engineering Pvt. Ltd.

Pre-bid meeting held on 11.12.2020 at 1500 HRS IST through VC

Date: 22.12.2020

						Date: 22.12.2020
Sl. No.	Vol. No.	Tender Page No.	Clause No	Requirement as per tender	Query/Clarification	CUGL / Tractebel's Reply
38	Volume II of II			FLP Switchgear:	Please add Sudhir, Shyaam and Kaysons Make FLP Switchgear as demand of DBC is very high. The same has also been approved by IndianOil-Adani, MNGL, SGL and Green Gas. These Switchgear have been approved by PESO.	Any additional vendor apart from those mentioned in attached vendor list (Annexure VI) may be accepted during execution subject to approval by owner/owners representatives based on their past track records or credentials. Refer Note 1 & 2 of Annexure -VI (page 70 of 92) Tender Condition Prevails.
39	Volume II of II			IR Gas detectors:	Please include ESP Safety and Draeger make GD in approved vendor list. The same is already approved by MECON in recent GAIL Tenders	
40	Volume II of II			UV Flame detectors:	Please include ESP Safety and Draeger make FD in approved vendor list. The same is already approved by MECON in recent GAIL Tenders	
41	Volume II of II			RTDs:	Please include Wika and Buamer make RTD in approved vendor list. The same is already approved by MECON in recent GAIL Tenders	
42	Volume II of II	Technical VOL II of II IFB 11.0 Skid and Enclosure		For handling all heavy arts for maintenance purpose necessary lifting arrangement such as beam fitted with chain hoist shall be provided in enclosure		Bidder may supply his Proprietary design, subject to compliance of Tender Requirement. However, necessary arrangement shall be provided in booster compressor to remove motor and other heavy parts at the time of Maintenance.
43	Volume II of II	4.15	19 of 95	Block and bleed valves to be provided for Pressure gauges and pressure Transmitters. In case needle valves are provided, proper bleeding arrangement shall be provided along with it.	Block & bleed valves will be provided for all the pressure guages used in high pressure gas system. However using the same with pressure transmitter will put the entire system under great risk, as human interference is involved, therefore the will not be provided. System vent is provided in case maintenance required.	Tender Condition Prevails.
44	Volume II of II	4.21	19 of 95	One no. relief valve at each stage discharge, first (1st) stage suction	Both first & sencond stage are intergral part of the single intencifier, we don't provide interstage relief valve. There is no requirement of relief valve at the first stage suction for booster compressor, as the suction is always reducing from 220 to 30 bar, therefore will not br provided	Bidder may supply his Proprietary design, subject to compliance of Tender Requirement.
45	Volume II of II	4.26	19 of 95	Framework shall be mounted on a suitable skid type base, external-lifting lugs shall be provided at each corner. Package shall not be larger than 3.5m (Length) x 2.5m (Width) x 2.8m (Height) size.	Requesting to allow package size 3700 mm (Length) X 1985 mm (Width) X 2100 mm (Height)	Refer Corrigendum #1
46	Volume II of II	6.1	21 of 95	Bidder to provide Instrument air with an electric motor driven air compressor with a suitably sized receiver & Refrigerant type air drier system.	We request to approve heatless dryer instead of Refrigerant type air drier system, kindly allow the same. We have provided packages with heatless dryer system to CGDs like Gail gas, CUGL, MNGL, GGL and many more.	Bidder may supply his Proprietary design, subject to compliance of Tender Requirement. However the same must have been supplied in the past and minimum 1qty.to CNG application. The component should be listed in the Type Approval issued by PESO to the Bidder. Bidder shall submit proof during detailed engineering stage for approval.
47	Volume II of II	6.15	21 of 95	All cabling (supply & laying) from electrical room to booster compressor shall be in bidder's scope. Bidder shall indicate power Feeder (KW/Amp) requirement in the offer.	Kindly provide the maximum length to be layed	Max. Length shall be considered as 50 meters.





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48	Volume II of II	8.0 i) (Safety)	23 of 95	Relief valves shall be provided at suction and discharge and each inter stages of compressor	Due to design of compressor (Single cylinder; two stage) We wil provide relif valve at final stage discharge only. However we confirm that any safety requirement will not be bypassed due to this. There is no requirement of relief valve at suction, because suction is variable ranging between 200-30 kg/cm2, and the pressure above 200 kg/cm2 goes to dispenser directly.	Bidder may supply his Proprietary design, subject to compliance of Tender Requirement.
49	Volume II of II	8.1(a)	24 of 95	One pressure gauge to be located at gauge panel to detect the pressure in Cylinder shall be provided.		Vendor May supply the component as per their proprietary design. However the same must have been supplied in the past and minimum 1qty.to CNG application. The component should be listed in the Type Approval issued by PESO to the Bidder.
50	Volume II of II	9.25	29 of 95	The ingress of oil into CNG adversely effects vehicle emission and storage system. Contractor to supply a proven, maintenance free oil removal system after after—cooler to remove oil from compressed gas. The offered oil mist removal system shall restrict the oil to less than 5PPM in discharge of compressor.	During intensification oil does not comes in cotact with gas, intensifier is of non lubricating type.Oil mist seperator is not required therefore will not provided. Applicable for online reciprocating compressors	Bidder shall submit proof during detailed engineering stage for approval.
51	Volume II of II	10.23	33 of 95	Pressure indicator each stage suction and discharge.	Both first & sencond stage are intergral part of the single intencifier, hence we provide pressure gauge at suction and final stage discharge. And final discharge temprature using RTD	Tender Condition Prevails.
52	Volume II of II	10.23	33 of 95	Oil pressure indicator on each pressure lubrication system	Lubrication system is not applicable, because the intensifier used is of non lubricating type. however pressure indicator will be provided for hydraulic system	Bidder may supply his Proprietary design, subject to compliance of Tender Requirement.
53	Volume II of II	ANNEXURE – VI: RECOMMEND ED VENDOR LIST	65 of 95	SUCTION FILTER	We request you to add SOUTHWEST make for Suction Filter	
54	Volume II of II	ANNEXURE – VI: RECOMMEND ED VENDOR LIST	67 of 95	TWO WAY / THREE WAY VALVES/ 2-WAY DRAIN VALVES	We request you to add DK LOK make for SS Fittings & Valves	Any additional vendor apart from those mentioned in attached vendor list (Annexure VI)
55	Volume II of II	ANNEXURE – VI: RECOMMEND ED VENDOR LIST	69 of 95	SS FITTINGS & VALVES		may be accepted during execution subject to approval by owner/owners representatives based on their past track records or credentials. Refer Note 1 & 2 of Annexure -VI (page 70 of 92)
56		ANNEXURE – VI: RECOMMEND ED VENDOR LIST	69 of 95	FLP SWITCH & enclosure	We request you to add Sudhir Switchgears Pvt Ltd, Shyaam switchgears Pvt Ltd make for FLP Switchgears	Tender Condition Prevails.
57		ANNEXURE – VI: RECOMMEND ED VENDOR LIST	71 of 95	ON OFF BALL/NEEDLE VALVE	We request you to add DK LOK make for SS Fittings & Valves	
58	Volume II of II	2.23	8 of 88 Technica Volume II of II	l 2.23 Operation and Maintenance of Compressor Packages xii. It will be the responsibility of the contractor to pay as pe the minimum wages of the appropriate Government applicable under the Minimum Wage Act 1948.	Kindly confirm the Central Govt. or State minimum wages is applicable.	UP State Min. Wages will be applicable





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Sl. No	o. Vol.	l. No.	Tender Page No.	Clause No	Requirement as per tender	Query/Clarification	CUGL / Tractebel's Reply
59	Volui of	ume II f II	Annexure –VI	Technical	ANNEXURE – VI: RECOMMENDED VENDOR LIST Gas Filter SS MANUAL VALVE PRESSURE TRANSDUCER SS FITTINGS ACTUATOR Flame Detectors	Make & Model Gas Filter- OEM (TGT) SS MANUAL VALVE- DK LOK PRESSURE TRANSDUCER- SETRA SS FITTINGS- DK LOK ACTUATOR- ROTEX Flame Detectors- KROMSCHRODER All above make are standard are used in dispensers supplied various CGD companies Gail Gas, MNGL, CUGL and SGL etc. which are giving a trouble-free performance till date.	Any additional vendor apart from those mentioned in attached vendor list (Annexure VI) may be accepted during execution subject to approval by owner/owners representatives based on their past track records or credentials. Refer Note 1 & 2 of Annexure -VI (page 70 of 92) Tender Condition Prevails.
60		ume II f II	1/4.18	17 of 92	Scope	Please advise cable length	Max. Length shall be considered as 50 meters.
61	Volum of	ume II f II	1/4.27	17 of 92	Scope	3000WL cascade length is more than required package length limit of 3.5m.	Refer Corrigendum #1
62		ume II f II	1/4.28	18 of 92	Scope	Filling post height requirement of 3mtr is not necessary and we request to follow OEM dimension design as per supplied to other CGDs.	Tender Condition Prevails.
63		ume II f II	1/4.36	18 of 92	Scope	Pls advise locations of these 5 Nos. ESD.	As specified in clause 10.30 Red ESD button (5 nos.) shall be located in Control Room, Process Area fencing, one side of compressor, one control panel and one to be kept in electrical room.
64		ume II f II	5	19 of 92	Utilities	Our booster does not require instrument air, request to remove from vendor scope in such case.	Air compressor alongwith receiver, air dryer and other auxiliaries as specified in tender to be supplied as a separate unit. Same will be used at CNG station for other applications.
65	Volumof	ume II f II	5.15	19 of 92	Utilities	Pls advise cable length	Max. Length shall be considered as 50 meters.
66		ume II f II	9.17	25 of 92	Basic Design Criteria	Understanding for "automatic switch over" is that, all tubing and manual valves are designed for client to switch manually without requiring any further connection. Pls confirm.	Please note that when LCV is not available at station then inlet is to be taken from Stationary cascade for which a normal switch at LCP of Booster shall be given so that no other manual operation of valves is required to switch inlet from LCV to Stationary cascade.
67	Volum of	ume II f II	9.28	28 of 92	Basic Design Criteria		It is not applicable for Electric Motor separately. However,the power factor (PF) of the whole electrical system should not be below 0.95. APFC will be in scope of CUGL.





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Sl. N	o. Vol.		der Page No.	Clause No	Requirement as per tender	Query/Clarification	CUGL / Tractebel's Reply
68	Volui	113.7	4	40 of 92		In case there is a continuous breakdown beyond 30 days of a calendar month, Entire Monthly Maintenance and operation charges shall be deducted. Operation is statutory requirement and there should be no penalty and deduction in same to meet the Labour wage requirement. Any kind of penalty should be limited to 50% charges of total monthly value of that particular machine to be deducted in order to perform the O&M smoothly.	
69	Volu		Note 1 4	41 of 92	suspend the Operations & CAMC	We request you to kindly consider the minimum one month notice to remove the manpower as per labour law instead of 15 days.	Tender Condition Prevails.
70	Volui of	Δnne	nexure VI 🛭 6	63 of 92	Recommended Vendor List	2.Pressure Transmitter – Senex 3.Flameproof Box – Ergong/ZT 4.Safety Valve – DK Lok 5.Gas Filter – OEM make 6.SS Fitings/Valves – DK Lok 7.Pressure Gauge – Kaifeng / BLD 8.Cables/Wires - OEM country make	Any additional vendor apart from those mentioned in attached vendor list (Annexure VI) may be accepted during execution subject to approval by owner/owners representatives based on their past track records or credentials. Refer Note 1 & 2 of Annexure -VI (page 70 of 92) Tender Condition Prevails.

