Petroleum & Natural Gas Regulatory Board, India

PETROLEUM AND NATURAL GAS REGULATORY BOARD

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Ref.: PNGRB/CGD/Bid/3 Date : 18/10/10

To All Propsective Bidders
_____,
_____,
_____,

Sub: Pre-Bid Meeting related to 3rd round of CGD Bidding for following Bids

Bid No.: 1) PNGRB/CGD/Bid/R-3/1/GA- Asansol-Durgapur
2) PNGRB/CGD/Bid/R-3/2/GA- Bhavnagar District
3)PNGRB/CGD/Bid/R-3/3/GA- Kutch (East)
4) PNGRB/CGD/Bid/R-3/4/GA- Kutch (West)
5) PNGRB/CGD/Bid/R-3/5/GA- Jamnagar District
6) PNGRB/CGD/Bid/R-3/6/GA- Ludhiana
7) PNGRB/CGD/Bid/R-3/7/GA- Jallandhar
8) PNGRB/CGD/Bid/R-3/8/GA- Panipat

Dear Sir,

With reference to the Pre-Bid meeting held on 30/9/10, wherein various issues were raised by the entity's regarding the 3rd round of CGD bidding for Bid nos. as above, clarifications are issued as enclosed.

These clarifications shall constitute a part of respective Application-Cum-Bid Document and shall be duly signed and submitted along with the bid document by the authorized signatory of the entity.

(Ratan P. Watal)
Secretary

CLARIFICATIONS TO THE PRE-BID CONFERENCE HELD ON 30.09.2010 IN PNGRB OFFICE.

S.No	Issues	Remarks
	Feasibility Report & Annexure 15	
1	In foot note (3rd line) of Annexure -15, Technical assumptions may be corrected to: 1 MMBTU = ---------- SCM (factor K1) (in place of SCMD). 1 SCM (in place of SCMD) = ---------- Kg CNG (Factor K2)	Revised Annexure 15 is attached
2	In Annexure 15, the cash outflows on capex and opex to be indicated each year should be with reference to only regulated assets/facilities and costs. The existing proviso is with respect respect to capex and and costs in totality, including even non-regulated assets.	Revised Annexure 15 is attached
3	In Annexure 15, The purpose behind the requirements to state the Projected PBDIT and Projected PAT is not clear as profits are not intended to be regulated. We feel these two criteria may be deleted.	Revised Annexure 15 is attached
4	In Annexure 15, the references of factors of conversion from energy equivalence from 1 MMBtu = --------- SCMD should be corrected as 1 MMBtu = ---------- SCM and 1 SCMD = ---------Kg CNG should be corrected from 1 SCM = ------ Kg CNG.	Revised Annexure 15 is attached
5	In Annexure 15, the energy and volume equivalence should be standaizied and fixed in order to ensure uniformity in comparison of bids.	Revised Annexure 15 is attached
6	In Annexure 15 the demand for natural gas (in SCMD) should be replaced with annual transportation of natural gas (in SCM). This would ensure retention of flexibility with the entity on annual maintenance shutdowns.	Revised Annexure 15 is attached
7	In Annexure 15, the data in respect of Inch-kilometer and PNG domestic connections should be required to be given only for the period of exclusivity from common carrier or contract carrier as the PV (Present Value) is to be calculated only for five years against each of these two bidding criteria. The current proviso requires the data to be provided for these two bidding criteria over the economic life, i.e., 25 years.	As cash flows in FR are to be taken for all 25 years, the data for 25 years needs to be provided.
8	In the case of standalone CNG stands, cost of the land should be considered in the Capex.	All capex for regulated activities is to be included.
	Existing Entities/ customers	
9	Disclosure on existing entities and their activities in the GA:- We understand that PNGRB has not received any application/request for authorization under section 17 or Section 18 from any entity for GAs announced for bidding. Further, PNGRB is currently not considering authorizing entity for any GA announced for the Bid.	Pl. refer list of all cases under consideration for authorization under section 17/ Section 18 of CGD Regulation on PNGRB's web-site
10	It is learnt that M/s GEECL is supplying gas to certain consumers in the GA of Asansol-Durgapur. During the Feasibility study, demand of the balance consumers would be considered. We understand that GEECL customers who are currently drawing less than 50,000 SCMD of gas shall also be transferred to the authorized entity post bidding process. Please confirm. Kindly clarify whether M/s GEECL has been informed not to start supply to additional consumers from the date of notification for biding.	As per Regulations, customers having requirement of NG below 50,000 scmd shall be supplied thorough CGD network. General advisory has also been issued to all entities not to undertake any CGD related work in the GA put up for bidding. Same is available on the web-site of PNGRB.
11	Natural Gas (NG) customers already enrolled should be transferred to the new CGD-GA operator on its commencement of business provided the volume is less than 50000 scmd based on commercial considerations between the customers and the existing supplier.	The provisions of the relevant regulations shall prevail.
12	In some of the GAs, gas distribution activities have already been started by certain entity. Kindly enlighten how the transfer of consumers and pipeline assets would be ensured in the post authorization scenario to the extent of gas distribution up to 100000 SCMD per consumer.	For existing customers, refer clarifications above. Inch-kms & PNG connections laid prior to grant of authorisation is not to be considered in the financial bid numbers quoted.
	Existing infrastructure	

CLARIFICATIONS TO THE PRE-BID CONFERENCE HELD ON 30.09.2010 IN PNGRB OFFICE.

S.No	Issues	Remarks
13	For the GA of Asansol-Durgapur, a) need clarification on the existing pipelines infrastructures of 77.62 KMs of M/s GEECL in the geographical area of Asansol – Durgapur. We request you to kindly clarify on the status of these pipelines and whether the same would be allowed to M/s GEECL under "inch-Kilometer" bid. b) in case the pipeline infrastructure of M/s GEECL is declared a common carrier, what would be the gas transportation tariff applicable to the authorized CGD entity in the given CGD entity in the given GA. The tariff is required to be declared as it will have an impact on the feasibility and bid-value. c) whether the existing Gas pipeline of GEECL is Common carrier or contract carrier and the notified Tariff thereof. d) since the specified pipeline has been installed by M/s GEECL, whether the inch-kilometers involved in the same would be allowed to M/s GEECL for bid-evaluation?	The pipeline is not authorised by the Board. The inch-kms & PNG connections laid prior to grant of authorisation is not to be considered in the financial bid numbers quoted.
GA/ CA related		
14	GA maps of Bhavnagar, Kutch (east) , Kutch (west) & Jamnagar districts: The GAs are quite large and consisting of mainly rural areas. As per the Regulation, the entity is required to be reached to all the Charge areas within first 5 years. The laying of CGD networks to all the CA of above notified of GA may not be viable in the initial period of 5 years which is consisting of rural areas and no substantial demand. Hence, it is suggested that GA may be segerated such that some specified CAs may be reached in 10 years and some in 15 years. Alternatively, in view of large areas with disproportionate population, it is suggested a) Relaxation of exclusivity threshhold b) Extension of marketing exclusivity period to 10 yrs c)Merging of Charge areas	It is reiterated that all Charge areas are to be covered in 5 years. Provisions of Regulations shall prevail.
15	With refernce to Clause1.1.2 of ITB, is it required to reach to all charge areas? Some areas may not be technically and/or economically feasible to reach. Please clarify.	Yes, it is required to reach all charge areas. Pl. ref Regulations 7 of GSR 198 (E).
16	Where two or more charge areas are seperated by a road or rail track and if steel pipe is laid along one side, i.e. right or left side of the road or rail track, will it be taken as reaching the charge areas lying on the other side of the road or rail track too.	No.
Gas Allocation		
17	With reference to Clause 2.5.2 (4) of ITB, is there any allocation of natural gas planned by GoI? What is overall government policy for allocation of Natural Gas for CGD sector?	Policies of GOI may be referred to.
Inch Kms/ STPL		
18	The cost of the STPL should be included in the Capex of the bid to avoid any advantage to the bidder in case the same is laid by the parent or the subsidiary of the parent company. The length of the STPL needs to be specified till the boundary of the GA with a variation +/-20% by the shortest distance. In case the need for STPL arises, then only one STPL should be allowed as multiple STPL's would provide an undue business advantage to the bidder.	The follwing is added in Clause 4.2.1.5, *"If STPL does not exist prior to bidding, the CGD entity shall have to lay the STPL from the designated pipeline. The STPL shall follow a reasonable and economical route."* This is to ensure timely supply of NG to the specified GA by the CGD entity.
19	Regarding Clause 4.2.1.5 of ITB, it is not clear whether clarifications provided by the PNGRB on 26/2/09 during round 1 of the bidding for CGD Networks would also be applicable for the current round of bidding for CGD network.	Kindly refer Clause 4.2.1.5 of ITB

CLARIFICATIONS TO THE PRE-BID CONFERENCE HELD ON 30.09.2010 IN PNGRB OFFICE.

S.No	Issues	Remarks
20	In case clarifications dt. 26/2/09 providing for STPL to be included in the inch kms are applicable, we request the PNGRB to kindly consider deletion of the same on the following grounds-a) The inch kilometer criterion should be made applicable for the steel pipelines downstream of the City Gas Station only as otherwise, the bidding for CGD Network may not take place on a level playing field considering that an entity who may be an owner of a natural gas pipeline and is also interested in bidding for a CGD network would always include the inch-kilometer of the sub-transmission pipeline in the bid for a CGD network, while any other entity (i.e., the one which does not own the natural gas pipeline) would be forced to include the same in the bidding in the hope of securing higher weightage score on this criterion irrespective of its techno-commercial feasibility. b) Providing an option of inclusion of the sub-transmission pipeline in the inch –kilometer criterion would in no way provide any extra capacity in a CGD network, which capacity is related to the system configuration of the steel pipelines and related facilities downstream of the city gate station. c) Further as per the Regulations for authorization for natural gas pipelines as well as the Regulations for tariffs for natural gas pipelines, the authorized entity for a natural gas pipeline is required to mandatorily provide the connectivity within 50 kilometers of a tariff zone and in case a CGD network falls within such an area, the same has to necessarily receive such a connectivity at the applicable zonal kilometer bid criterion of a CGD network becomes superfluous as the capex on the same may result in double accounting: once getting included in the natural gas pipeline tariff fixed by the PNGRB or in the tariffs that are bid, as the case maybe, and again while costing in relation to the proposed CGD network. d) A flexible situation of either inclusion on non-inclusion of the inch-kilometer of a sub-transmission pipeline in the CGD network bidding criterion as per the aforementioned clarification may also result in a sub-optimal development of a sub-transmission pipeline in respect of length and capex as the prospective bidders in the anxiety of scoring higher marks may ignore the techno-economic feasibility, which justifiably should be in the ambit and scope of the natural gas pipeline operator.	Kindly refer Clause 4.2.1.5 of ITB. Also please see the clarification above.
21	The sub-transmission pipeline to connect a natural gas pipeline to proposed CGD network could be separately bid-out as a common carrier or contract carrier in case its length exceeds 50 kms from the nearest technically feasible point in the natural gas pipeline tariff zone and in case the same is proposed to be a length of less than 50kms, the existing provisions of natural gas pipeline regulations as mentioned above should apply.	Refer above clarifications
22	We request the PNGRB should consider pre-defining the possible locations of City Gate location in consultation with the existing or proposed natural gas pipeline operator (s) at the time of inviting the bids for CGD networks. Therefore, the sub-transmission pipeline should not be reckoned in the criterion for bidding for CGD network.	Refer above clarifications
23	As investment is being sought through bids for a well demarcated GA. Steel Pipeline within the GA shall only be considered for calculation Inch-Kilometer (IK) and IK for Steel line whether Sub-Transmission line or part of CGD Network outside the GA shall not be considered for evaluating bids.	Refer above clarifications

CLARIFICATIONS TO THE PRE-BID CONFERENCE HELD ON 30.09.2010 IN PNGRB OFFICE.

S.No	Issues	Remarks
24	As per GSR 198 (E) service obligations Clause 8 (1) (a) (iii), the entity has to reach all charge areas or wards .... through pipelines of adequate size to meet the demand of the consumers in the charge areas or wards. With refernce to Clause 2.5.2 8), pl. clarify whether it is mandatory to reach each charge area through steel pipeline network or respective charge areas may be reached through pipelines of adequate size which may be MDPE/ PE type	The Clause 2.5.2 8) is modified as *`Map of geographical area indicating connectivity to main trunk pipeline and pipeline network showing coverage of all charge areas indicating breakup of inch kms within GA and inch kms for STPL outside GA.' Further, in Clause 1.1.2 of ITB, the words `by steel and/or MDPE pipelines' are added at the end. Please note that Inch-Km considered in the bid shall consist of Carbon steel pipeline only.*
Project IRR		
25	As per Clause 2.5 of ITB of bidding document, financial bid parameters may vary to the extent of + - 20%. a) This may result into IRR (as per clause 2.5.1) to be less than 6%. Please clarify whether this is acceptable. b)Kindly clarify whether the min IRR (FR) of 6% pre-tax is applicable to network tariff and compression charge individually or on overall basis. c) It may please be clarified whether the reference to IRR is with regards to the Project IRR or Equity IRR.	The word `IRR' refers to `project IRR' in the clause. The minimum specified IRR is with reference to the FR submitted and not financial bid. The minimum specified IRR is applicable to cashflows taking revenues only from network tariff and compression charge for CNG on combined basis.
PNG Connections		
26	No. of domestic consumers would depend on no. of households. Is there any higher limit or common guideline for the total no. of households in the GA. Should there be some common grounds / guidelines for assumptions like growth percentage etc. In the case of domestic connections, bidder should not be allowed to quote for a more than 100% penetration of the number of households as per 2001 census considering 4.5 persons per households. It is also suggested that a) The number of domestic PNG connections that can be bid in any year should not cumulatively exceed the total household population till that year. The total house hold population in this regard should be restricted to the census 2001 household data for the geographical area. b) A domestic PNG connections for the purpose of bidding should be construed as applicable to a single household. However the entity may provide more than one PNG domestic connections to a single household, but more than one connection should not be considered for monitoring the actual progress against the numbers bid.	A) In clause 4.2.1.6, The words *`household connections'* is replaced with `*PNG domestic connections* '. The total PNG domestic connections quoted by a bidder from 1st to 5th year for a GA shall not exceed the total number of households as derived by dividing the Census 2001 poulation indicated by PNGRB for that GA by avg household size of 5. The population for each GA under bidding is as below : Asansol-Durgapur - 17.46 lacs; Bhavnagar district - 24.5 lacs; Kachh (East) - 7.1 lacs; Kachh (West) - 8.3 lacs; Jamnagar district - 18.4 lacs; Ludhiana - 14.9 lacs; Jalandhar -9.36 lacs; Panipat - 5.6 lacs. In case, the total PNG domestic connections quoted in the financial bid from year 1 to 5 are more than above derived figure, the yearwise numbers quoted in the financial bid shall be reduced pro-rata for bid evaluation purpose. For example, if a GA has a population of 5 lacs as per Census 2001 and an entity has quoted 1.25 lacs the total PNG connections from 1st to 5th year in the financial bid, then the figures quoted for each year shall be pro-rata reduced by multiplying each figure by 0.8. (B) One household will have one domestic PNG connection for the purpose of compliance to bid numbers.
PV calculations		
27	For weighted average calculation of PV of network tariff and compression charge, we understand that bid parameter quoted would be simple average of PV of network tariff and compression charge of all the years. Please clarify whether our understanding is correct or not.	PV of quoted values of network tariff and compression charges shall be calculated seperately considering 1 Unit of MMBTU for tariff and 1 KG for CNG for Compression charges.
28	We understand tariff for first 5 years shall not be taken in consideration for bid evaluation. Accordingly we further understand that discounting of tariff has to be done for 6^{th} year up to 25^{th} year, same may be confirmed please. As a consequence of (b), we understand that when tariff or compression charges are to be considered from 6th year, then in order to calculate PV of tariff for 6th year, the formula would be: PV= Network Tariff for year 6/(1.14)^6	Confirmed. Same formula shall be used for calculating PV of compression charge for CNG quoted for 6th year also.

CLARIFICATIONS TO THE PRE-BID CONFERENCE HELD ON 30.09.2010 IN PNGRB OFFICE.

S.No	Issues	Remarks
	Qualification of manpower	
29	Regarding Clause 1.4.2.2 of ITB, can the said person be from the associate/affiliate company of the bidding entity? Further, in case the entity is bidding for more than one GA, can the same persons be mentioned for more than one GA or it has to be different persons.	No. The manpower has to be on permanent rolls of the bidding entity or it's the parent company as per Clause 1.6 of ITB. The same persons can be quoted for more than one GA.
30	Clause 1.4.2.2 deals with only one criteria out of four as per regulation so word ' if applicable' should be inserted in the beginning of the clause to avoid any confusion. Accordingly clause 1.4.3 should also be reworded. If the same is not clarified/modified, then it would be at variance with Para 2 and 3 of Annex-2 of PNGRB/CGD/BID/SAMPLE. Also, Annexure 13 should be optional and may not apply to all the bidders.	The words *`If applicable* ' may be inserted at the beginning of the Clause 1.4.2.2. Anenxure 13 is to be furnished in case the entity is seeking qualification under relevant sub-regulation.
	Regulations	
31	S.no. 4 of Clause 1.0 of ITB mentions that "other relevant regulations and amendment thereto, as shall be applicable and notified by PNGRB". An explicit list of applicable regulations, amendments may be clarified so as to encompass the entire set of relevant applicable document and not to leave the list open ended that may be prone to multiple interpretations and speculations.	All relevant notified, approved and draft regulations and amendments are available on PNGRB's website.
32	The provision of sub-regulation (7) to regulation 14 of the CGD Regulations states that the authorized entity shall ensure that there is no cross-subsidization between the activity of transportation and the activity of marketing of natural gas in the CGD network. Since the period to be reckoned for the purpose of evaluating the bid has now been defined as from the 6th year to 25th year of the economic life of the proposed CGD Project the time period to be reckoned for the purposes of sub-regulation (7) to regulation 14 may please be clarified.	It is for the entire 25 years economic life
33	CGD regulation 5 (6) (b) (i) to (iv) at many places refer to "CGD Network". Kindly expand this term with reference to Clause 1.4.2 of ITB. Which part of CGD network; Steel Line, MP Line, LP Line/ domestic Connections, commercial connections, CNG station installation. There could be many entities, who would have been involved in one or more activities mentioned above and executed varying quantities. Will they be considered? Is there any threshold/minimum described.	For CGD network definition, pl. refer the PNGRB Act.
34	With reference to Regulation 3 (2) (b) of CGD Regulations & Clause 1.3 (b) (ii), how tariff shall be determined for customers having requirement of natural gas more than 50000 SCMD and up to 100000 SCMD where the line is not part of CGD network.	Please refer to relevant regulation.
35	Regarding provisions of CGD regulations related to Exclusivity from the purview of common carrier or contract carrier, for new CGD entities, this period should be 10 years for GAs, which are districts.	No change in Regulations envisaged on this issue.
36	The amendment to sub-regulation 7 of CGD Regulations, provides that the network tariff and compression charges to be charged within this exclusivity period shall be the average of quoted values from 6th-10th year or 90% of the 6th year quoted values whichever is lower . It may please be clarified whether the average of quoted values as mentioned in amendment to Regulation 7 is with reference to network tariff and compression charges to be considered compositely (together) or these have to be taken separately? Further, whether different values can be furnished for each of the 1st - 5th year.	The values are to be taken seperately. It is clarified that the network tariff or compression charge for CNG to be considered in the first 5 years in the FR is limited to the average of quoted values from 6th-10th year or 90% of the 6th year quoted values whichever is lower
37	Provisions of Regulation 3 (2) (b) of CGD Regulations states that customers with requirement below 50,000 scmd to take gas from CGD only, from 50,000 scmd to 1,00,000 scmd have option to take from eithe CGD or from p/l not forming part of CGD. May kindly clarify whether the mentioned quantity of gas is "Contracted Quantity" or "Actual Flow Quantity."	The quantity has to be contracted quantity

CLARIFICATIONS TO THE PRE-BID CONFERENCE HELD ON 30.09.2010 IN PNGRB OFFICE.

S.No	Issues	Remarks
38	As per the Gazette Notification dated 30.04.2009, the Value of performance Bond is restricted to value of Bid Bond. This aspect has not been mentioned in Bid Document.	All relevant notified/ approved regulations and amendments, which shall be applicable are available on PNGRB's website.
39	In method I of Schedule K of CGD Regulation 5(6)(e) of the PNGRB describing calculation of networth of the bidder, confirm whether the security premium account is considered or not in calculating the networth of the company under head "Reserve not available for distribution to equity shareholder"?	This shall be as per companies Act.
40	If an entity is already operating in a particlar GA, kindly confirm whether the same networth of the existing entity is sufficient for another GA. For example, if an entity has a networth of 200 Cr., then whether the entity is eligible for bidding for multiple GAs.	Yes, the entity is eligible provided the entity meets the minimum networth requirement of the GA for which it intends to bid.
41	As per Modified Draft Access Code for City or Local Distribution Network, dated September 21, 2010 Clause 4(1) (a), we understand that even if authorized entity retains all customers over and over and caters to full demand during open access period, then also 20% extra capacity needs to be added in the network, which practically is not utilized if 100% demand of the area is being met by authorized entity. Accordingly that 20% extra capacity shall not be considered while phasing out the infrastructure, same may be clarified.	It is envisaged that CGD networks would be a growing activity in India and hence the demand will keep increasing even beyond exclusivity period. Therefore extra network capacity of 20% has to be kept as per draft regulations for open access.
42	It is suggested that since supply in district would involve longer pipelines, it is suggested that high pressure pipeline (>50 kg/cm2g) is allowed among towns in these GA, as demand centres are widely spread.	T4S regulation for CGD network shall be followed.
Schedule of commencement of activities		
43	Clause 3) of the Annexure -14 specifices that the entity bidding is to indicate the commencement period in the blank provided in the clause. The activities of laying, building operating or expansion of the CGD Network of _____ shall commence within a period of _____ days from the date of Grant of Authorization. Clause 2 of schedule D of the said Regulations requires that the PNGRB may specify the period of commencement with regards to the CGD Network in the grant of authorization. The import in the requirement of the specification of period first by the entity while bidding and also by the PNGRB in case of the grant of these two periods of time for commencement in the grant of authorization be different than what has been specified by the entity in the bid?	This is a requirements for issuing Schedule D, which is being taken at the time of bidding.
Tap-off and pipeline connectivity		
44	With refernce to Clause 1.1.3 of ITB, requested to clarify whether other/ alternative connectivity, if available can be considered or whether the Tap-off points as disclosed by PNGRB in the bid documents shall only be considered for evaluation and Tap-Offs points not disclosed in the bid documents shall not be considered for evaluation of network. .	Present Clause 1.1.3 becomes 1.1.3 a) and Clause 1.1.3 b) is added: `*The above shall be reckoned for the purpose of achieving yearly targets quoted in the financial bid. However, the bidder may consider alternate connectivity/ tap-off from any other source, but this shall not be admissible for extension of yearly targets and counting of Inch-Km. '*

CLARIFICATIONS TO THE PRE-BID CONFERENCE HELD ON 30.09.2010 IN PNGRB OFFICE.

S.No	**Issues**	Remarks
45	Regarding connectivity to Panipat GA, we would like to bring to your kind notice that IOCL's Dadri Panipat gas pipeline (DDPL) has been commissioned on 18th July 2010 and presently supplying gas to its refinery at Panipat. This pipeline has spare capacity to the tune of 4.5 MMSCMD for transportation of gas on common/contract carrier basis. The aforesaid pipeline is passing very close to Panipat city (about 6.5-7.0 Km) and Panipat GA falls within the corridor of DDPL. Provisions of tap-off points at SV-4 (Ch.92 Km ex-Dadri) & SV -6 (Ch115.6 ex-Dadri) have already been made for extending spur lines. We request you to consider the tap-off point for Panipat geographical area from Dadri Panipat gas pipeline and notify the same for information of all the prospective bidders. An early action is requested in this regard as submission of bids against the public notice under reference is a time bound process.	The following shall be added in Clause 1.1.3 a) : *`In addition, pipeline connectivity from tap-off points at SV-4 (Ch.92 Km ex-Dadri) & SV -6 (Ch115.6 ex-Dadri) in IOC's Dadri-Panipat pipeline may also be considered.'*
46	In the case of Jalandhar, proposed connectivity is not a part of any authorized pipeline. The connectivity shown would tantamount to granting Gail India a backhand entry for laying the pipeline. Alternative Tap off point at Jalandhar spur line of Proposed Bhatinda-Srinagar Natural Gas Pipeline will decrease investment substantially.	Connectivity detail remains same as indicated. For considering additional tap-off points not indicated in the bidding document, refer clarifications above.
47	With reference to connectivity detail indicated for Jallandhar GA, As per the Gas Pipelines in India map hosted by PNGRB, there is no proposed or authorized pipeline from Ludhiana to Jalandhar. Dadri-Bawana-Nangal pipeline reaches up to Ludhiana. Hence we are unable to understand whether the tap off point for Jalandhar GA will be in Jalandhar or Ludhiana. It is requested to PNGRB that a detailed route map should be provided depicting the tap-off location on the transmission pipeline to all potential bidders. It may also solicit the entity laying the transmission pipeline to provide the exact location.	Being confirmed from the pipeline transporter.
48	With reference to connectivity detail indicated for Asansol-Durgapur GA, we understand that M/s GGECL has its gas gathering station only at Asansol and not in Durgapur. In case they have any proposed facility in Durgapur in future, Board is requested to provide such details to all bidders. Also as there are two gas suppliers available in that region viz M/S GEECL & M/s Essar Oil Ltd., taking note of the large size of the GA, can the bidders assume multiple tap-off locations for CGD in the GA. what are the exact locations of Gas Gathering Stations at Asansol and Durgapur mentioned in the above referred Clause?	One tap-off point has been indicated. Clause 1.1.3 a) of ITB is revised as : *"The natural gas connectivity to this geographical area is expected to be from Central Gathering Station of GGECL at Adda Industrial State in Asansol and Central Gas gathering station of Essar Oil Ltd at Muchipara area at Durgapur ."*
49	With reference to connectivity detail indicated for Asansol-Durgapur GA, what are the design parameters of this line? Will this line be considered as a common carrier pipeline within the GA or as a part of the CGD network? The said pipeline does not appear in the Indicative Map of Natural Gas Pipeline in India dated 13-09-2010, uploaded by PNGRB on the website.	The pipeline is not authorised by PNGRB. Connectivity details stand revised as above.

Revised Annexure 15

(The bidder shall provide required information in the given format duly filled-in and signed by the bidder or authorized signatory along with official seal. This is to be submitted in the executive summary of the Feasibility Report in Envelope -II)

Sheet 1of 2

EXECUTIVE SUMMARY SHEET OF FEASIBILITY REPORT

Bid No.:PNGRB/CGD/ BID/R-3/GA-ABCDEFG

Sl. No.	Description	1st Yr	2nd Yr	3rd Yr	4th Yr	5th Yr	6th Yr	7th Yr	…….	24th Yr	25th Yr
1	Annual Gas Transportation Demand in each segment (figs in '000 scm)										
	a. Domestic										
	b. Commercial										
	c. Industrial										
	d. Transport										
	e. Total										
2	No. of Domestic PNG Connections										
3	Steel Pipeline Network (Inch-KM)										
4	Tariffs for Regulated Activities										
	a. Network Tariff (Rs/ MMBTU)										
	b. Compression Charges for CNG (Rs/ Kg)										
5	Total Cash Outflow (Rs. in lacs) towards regulated activities										
	a. Capex										
	b. Opex										
	Total [5 (a) +5(b)]										
6	Total Cash inflows from Regulated Activities										
	a. Network Tariff (Sl.No 1e x 4a / K_1)										
	b. Compression Charges for CNG(Sl.no 1d X 4b X K_2)										
	Total Cash inflow (Rs. In Lacs) {6(a) +6(b)}										
7	Pre-Tax Project IRR (%) on Total capital employed based on above project cash flows										

Revised Annexure 15

(The bidder shall provide required information in the given format duly filled-in and signed by the bidder or authorized signatory along with official seal. This is to be submitted in the executive summary of the Feasibility Report in Envelope -II)

Sheet 2of 2

Notes :

1. Sl.No 2,3,4 are biddable items. The financial bid may vary by a maximum of +/- 20% from the yearwise numbers mentioned above.
2. All cells in each row/column has to be necessarily filled in, corresponding to the FR submitted. FR has to be prepared as per guidelines provided in Clause 2.5 of ITB. FR without data supporting above figures may be rejected.
3. All figures mentioned above and technical assumptions below shall be upto a maximum of 3 decimal places.
4. Technical assumptions for bid evaluation are
   (a) 1 MMBTU = _____SCM (Factor K_1)
   (b) 1 SCM = _____ Kg CNG (Factor K_2)
   (c) Operating days per year =_____Days.
5. For Conversion of SCM to MMBTU please refer the formula in Appendix 1/Schedule 4 of draft Regulation on Access Code for City or Local Natural Gas Distribution Networks available on PNGRB website. Please note that the conversion shall be based on **GCV** of Natural Gas.

Date:
Place:

Name and Signature of bidder or authorized signatory
Office Seal