PETROLEUM AND NATURAL GAS REGULATORY BOARD

1st Floor, World Trade Centre, Babar Road, New Delhi-110001
Tel No: 011- 23457700/23457744/23457751
Fax No: 011-23709151

Ref.: PNGRB/CGD/Bid/3 Date : /02/11

To
_____,
_____
_____,
_____,

Sub: Additional Clarification 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

Sir,

This refers consolidated clarifications already issued and web-hosted for the third round of CGD bidding. As already conveyed, the bid submission date for Panipat shall be announced separately.

2. It may be noted that the figures to be mentioned in the Executive Summary (Annexure 15) of the Feasibility Report and the Financial Bid should be upto two decimals places only. Modified Annexure 15 is enclosed. Note 2 of the Financial Bid form is modified as:

`*2. All tariffs quoted above shall be upto two decimal places only.'*

3. This Notice shall form a part of the respective Application-cum-Bid document.

(Ratan P. Watal)
Secretary

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 (CNG)										
	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 (Rs. In Lacs)										
	a. Network Tariff (Sl.No 1e x 4a / K_1)/100										
	b. Compression Charges for CNG(Sl.no 1d x 4b/ K_2)/100										
	Total Cash inflow (Rs. In Lacs) [{6(a) +6(b)}										
7	Net Cash flows (Rs. In Lacs) (Sl. No.6 -Sl. No.5)										
8	Pre-Tax Project IRR (%) based on above net 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 shall be upto a maximum of 2 decimal places.
4. Technical assumptions for bid evaluation are
   (a) 1 MMBTU = 29.65 SCM (Factor K_1)
   (b) 1 Kg = 1.39 SCM (Factor K_2)
   (c) GCV of NG = 8,500 Kcal/ SCM

Date:
Place:

Name and Signature of bidder or authorized signatory
Office Seal

Petroleum & Natural Gas Regulatory Board, India

PETROLEUM AND NATURAL GAS REGULATORY BOARD

1st Floor, World Trade Centre, Babar Road, New Delhi-110001
Tel No: 011- 23457700/23457744/23457751
Fax No: 011-23709151

Ref.: PNGRB/CGD/Bid/3 Date : 19/01/11

To All Prospective Bidders
_____,
_____,
_____,

Sub: Consolidated clarifications 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,

Further to the clarifications related to 3rd round of CGD Bidding issued on 18/10/10, 3/11/10 and 15/12/10, some more clarifications have been sought by bidders. Hence, consolidated clarifications including the earlier clarifications and the new clarifications are now being issued and are enclosed for information and necessary action of all concerned. While clarification at s.no. 9 has been modified, those at s.no. 25, 39, 53, 60, 61, 66, 76 & 88 are new clarifications issued in response to queries received since issuance of last clarifications dt. 15/12/10.

2. A Pre-Bid meeting was held on 11/1/11 for Panipat GA and in view of the proposed revision in the overall GA area & charge areas of Panipat, the bid submission/opening date & the last date of bid sale is postponed till further notice. The bid submission date for all other GAs remains the same, i.e. 18/2/11.

3. The clarifications issued now supersede all previous clarifications. The bidders may note that only the consolidated clarifications issued now are required to be submitted along with the bid document duly signed and stamped by the authorized signatory of the entity. These clarifications shall form a part of respective Application-Cum-Bid Documents.

(Ratan P. Watal)
Secretary

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
	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 to capex 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 standardized 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 stations, cost of the land should be considered in the Capex.	All capex for regulated activities is to be included.
9	The assumptions stated in Note of Annexure 15 regarding conversion factors may be defined in order to ensure comparability of bids,	For bid evaluation purpose, the following shall be considered : a) 1MMBTU = 29.65 SCM **b) 1KG CNG = 1.39 SCM** c) GCV of NG = 8,500 KCal/SCM It may be noted that tariffs quoted in the bid shall not be varied on account of changes in GCV.
10	Please confirm that weighted average tariff quoted is equal to $T = \frac{Q(R) \times T(R) + Q(C) \times T(C) + Q(CN) \times T(CN) + Q(I) \times T(I)}{Q(R) + Q(C) + Q(CN) + Q(I)}$ Where : Q(R)= Volume in residential sector, Q(C)= Volume in commercial Scector, Q(CN)= Volume in CNG Sector, Q (I)= Volume in Industrial sector, T (R)= Tariff for residential sector, T(C)= Tariff for commercial sector, T(CN)= Tariff for CNG, T(I)= Tariff for Industrial sector. Tariff shall be non-discriminatory within each sector i.e. all residential customers will have same tariff, but can have a different tariff for different customer segment. Kindly confirm if our understanding is correct.	Please see the Revised Annexure 15. The Network tariff shall be same for all customer in all sectors - domestic, commercial, industrial and Transport.

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
	Existing Entities/ Customers & Existing Infrastructure	
11	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
12	Disclosure on existing entities and their activities in the GA: It is a fact that certain entities have significant presence in the GAs (without being `centrally authorized' or any authorization from PNGRB) for which the bids have been invited. It is extremely important to understand status of such entities and their infrastructure today and in future to ensure that bidding entity's investments do not turn sour because of continuation of activities of existing entities.	Pl. refer list of all cases under consideration for authorization under section 17/ section 18 of CGD regulations on PNGRB's web-site. An advisory has also been issued to all concerned that no further activity related to CGD network is to be undertaken in any of the areas for which bidding has been initiated. An entity not following this advisory is liable to be prosecuted under the PNGRB Act.
13	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.
14	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.
15	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.
16	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 Issues	
17	Is reaching a charge area without having any connection there admissible?	Yes.
18	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).

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
19	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.
20	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.
21	The maps provided by PNGRB indicate names of villages, towns, and mandal headquarters in a given charge area. Is it mandatory to reach all mandal headquarters in a charge area or any part of the charge area can be reached?	It is mandatory to reach all charge areas and not necessarily mandal headquarters.
	Gas Allocation & firm Gas tie ups	
22	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.
23	What is the volume for which firm gas tie up is to be furnished?	Refer GSR 196(E), sub-regulation 11(2) and GSR 605 (E), amendment to regulation 11
	Inch kms, STPL & PNG Connections	
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.*
25	**Will the bidder be allowed to consider Inch-Kms from a source / Tap-off other than the one indicated by PNGRB**	**Pl. refer earlier clarifications issued. In case additional tap-off are available from the designated pipeline within the GA, the same may also be considered.**
26	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 and clarifications above.
27	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 following 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.

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
28	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.	Kindly refer Clause 4.2.1.5 of ITB. Also please see the clarification above.
29	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.	
30	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
31	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

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
32	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
	Project IRR	
33	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.
34	whether IRR to be furnished in FR executive summary is to be calculated on capital employed (pre-tax) will be on net cash flow as derived from Sl.no. 6 -Sl. No.5 in revised annexure 15.	Yes.
	PNG Domestic Connections and Inch KMS of Steel	
35	Whether the numbers for Inch-Km and number of household to be quoted are cumulative or the incremental, additional development for each year?	In Km and PNG domestic connections to be quoted shall be for that particular year.
36	If an entity misses the quoted values for laying of Inch-Km of pipeline or number of domestic connection for a particular year but is able compensate for the shortfall in the next year, will the Regulator refund the penalty (if any) levied on the entity?	Please refer the CGD amended regulations GSR No 605 (E) dated 19th July 2010.
37	If the authorized entity misses its commitment target for any particular year of develoment, the entity will be penalized for that particular year. For the next year the commitment for the entity shall be the target as mentioned in the financial bid of the entity. Kindly confirm if our understanding is correct. For example : If a entity has commited to connect household in the following pattern over the years: Year 1 = 50 ; Year 2 = 100; Year 3 =100; Year 4 = 100; Year 5 = 100. Suppose in the first year the entity is able to achieve only 30 connections. In such a scenario the commitment for the entity for year 2 shall be 100. Please confirm if our understanding is correct.	Please refer the CGD amended regulations GSR No 605 (E) dated 19th July 2010.
38	If an entity quotes more than 20% variation w.r.t. domestic PNG connections taken in the FR, will the bid be rejected or will the quoted numbers be reduced pro-rata in line with clarifications given earlier.	Financial bid quotes for any biddable parameters namely network tariff, compression charge for CNG, PNG domestic connection and inch kms of steel pipelines shall not have variation more than ± 20% in any year w.r.t. numbers considered for the corresponding year in the FR. Bids with yearwise variation beyond ± 20% w.r.t. FR shall be rejected.

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
39	**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) 4.2.1.6 is modified as : `*The number of PNG domestic connections, to be considered shall mean physical connection including gas meter installation to be provided after registration notwithstanding gas supply. One household will have one domestic PNG connection for the purpose of compliance to bid numbers.'* (B) Following Clause 2.6.5 is added : `*a) The total PNG domestic connections quoted by a bidder in the financial bid 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 bid shall be rejected otherwise. b) The bid shall also be rejected, in case the quoted numbers in the financial bid in any of the first three years for PNG domestic connections exceed 25% of the maximum specified by PNGRB for the GA or the quoted numbers in the financial bid in any of the first three years for inch kms exceed 30% of the total quoted from 1st to 5th year. The Census 2001 population to be considered for each GA under bidding and the maximum PNG domestic connection to be quoted in the financial bid in the first five years is mentioned below :***
	GA and population to be considered as per census 2001 (in Lacs) - (Column - I)	**No. of PNG Domestic connection to be quoted in financial bid in first- five years for the particular GA should not exceed the figures below: (Fig in lacs)-(Column - II)**
	Asansol- Durgapur - 17.46 lac	**3.492**
	Bhavnagar District - 24.5 lac	**4.9**
	Kutch - East - 7.1 Lac	**1.42**
	Kutch West - 8.3 Lac	**1.66**
	Jamnagar District -18.4 lac	**3.68**
	Ludhiana - 14.9 lac	**2.98**
	Jalandhar - 9.36 lac	**1.872**
	Note A : In any of the first-three years, the PNG domestic connections to be quoted in the financial bid must not exceed 25% of figures in Column - II above for that particular GA. Bids will be rejected, if PNG domestic connections are quoted otherwise.	
	Note B :In any of the first three years, the In-Km to be quoted must not exceed 30% of the total In Km quoted by the bidder in the financial bid. Bids will be rejected, if inch-kms are quoted otherwise.	
40	As per clarifications issued, the total PNG 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 population as indicated by PNGRB for that GA by average household size of 5. It is requested that PNGRB should only consider permanent households while applying this cap as connections to semi-permanent and temporary households shall create hazards in these areas. Data regarding permanent households is also provided in Census 2001.	No change.

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
41	Is there any cap on the number of domestic customers to be serviced? What will be the Board's position if any bidder quotes an abnormally high / non practical number of household connections? Can this number be more than the latest census figure of number of households? If not, then what shall be the maximum allowed number for the same?	Yes. Pl see clarifications above.
	PV calculations	
42	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.
43	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.
	Qualification of manpower	
44	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 parent company as per Clause 1.6 of ITB. The same persons can be quoted for more than one GA.
45	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	
46	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.
47	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
48	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.

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
49	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.
50	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.
51	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
52	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
53	**Regulator vide its clarification on 18th October, 2010, has stated that the threshold of 50,000 SCMD to be supplied only by CGD operator shall be contracted Quantity and not the actual quantity. (Please refer Sr. No. 37 of clarification dated 18/10/2010. In this regard, we would like to bring to the notice of the Regulator that the mandatory requirement of supplying all customers with demand less than 50,000SCMD by the CGD operator as mentioned in Regulation 3 (2) (b) will technically and legally lose its meaning. It gives enough freedom to the transportation companies to sign an agreement of more than 50,000SCMD even with a customer actually having a consumption of less than 50,000SCMD. This will result in (1) Cherry picking by the Transportation companies and all major customers will end up being served by Transportation companies. (2) CGD operator will be left to serve only the small customers, thereby making the entire investment unviable. (3) There will be infructuous investment within the GA. We would request the Regulator to consider that actual volume and not contracted volume below 50,000SCMD should be supplied only by CGD Operator.We would also request the Regulator to have necessary penal provision for Transporter supplying gas to customers having actual consumption less than 50,000SCMD. This penal provision will be deterrent on the part of Transporters against breaking the regulation**	**Existing regulations shall be followed.**
54	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.
55	Are LMC charges for domestic connection admissible in addition to security deposit as stipulated in the regulations?	No. These are not admissible. Refer Regulation 14 of G.S.R. 196 (E).

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
56	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.
57	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.
58	It is suggested that since supply in district would involve longer pipelines, it is suggested that high pressure pipeline (>50 kg/cm2) is allowed among towns in these GA, as demand centres are widely spread.	T4S regulation for CGD network shall be followed.
59	For qualification under regulations 5 (6) (c) (iii), when the entity intends to operate and maintain the proposed CGD network through an appropriate technical assistance agreement with another party, what documentation is needed to be submitted?	The bidding entity needs to submit certified copies of exchange of correspondence with the other party demonstrating the intention of both to enter into such a technical assistance agreement.
60	**(I) What is the riser isolation valve defined therein? Is it the a) valve put before the common GI pipe riser which is outside the customer premises/house or b) it is the valve placed just before the metering unit inside the customer house/premises (sometimes it is also referred as meter control valve). (II) The ten meters of pipe provided here is the PE pipe or GI pipe or both? In case of individual bungalow connections, there is considerable amount of PE and GI pipes required. We are not sure as to what is recoverable from customer in case the pipe length exceeds the limits. (III) Please explain the 'customer premises' defined in this clause both in case of Bungalow and apartment type of houses. Both have different context.**	**Pl. refer T4S regulations and service obligations**
61	**As per the regulation 9(4) and 9(5) of the access code for NG pipelines, the Hook Up charges are to be borne at the cost of the shipper for the facilities at exit point. Hence, in case of CGD networks, the hook up charges would have to be paid by authorized entity, being the shipper. Are such hook up charges to be included in the opex.**	**Pl. refer relevant regulations in the Access code for NG pipelines.**
	Tap-off and pipeline connectivity	
62	With reference 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. '*

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
63	Requested to give information on pressure of natural gas that will be available at these tap-off locations. This will help in optimizing the design of steel network	May contact pipeline transporters.
64	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.	***(A) Clause 1.1.3 of ITB is revised as : `The natural gas transmission pipeline connectivity to this geographical area shall necessarily have to be considered from both the following : a) from the already commissioned IOC's Dadri-Panipat pipeline with tap-off point at SV-4 (Ch.92 Km ex-Dadri) & SV -6 (Ch 115.6 ex-Dadri). b) from Dadri-Bawana-Nangal pipeline of M/s GAIL, presently under construction with tap off point at TOP: Butrada taluka, Shamli village, Muzaffarnagar, Chainage 69.419 and the expected gas flow in this pipeline is scheduled by Dec 2011.***
65	Panipat GA: In order to maintain transparency and uniformity of bidding process, it is suggested that tap-off point from a single STPL for each notified GA may be considered by PNGRB to have level playing field for all bidders.	***(B) The STPLs have to be necessarily considered from both specified pipelines - from one of the SV's indicated on IOC's pipeline and another from SV indicated on Gail's pipeline.***
66	**As per clarifications given for Panipat GA `*The natural gas transmission pipeline connectivity to this geographical area shall necessarily have to be considered from both the following : a) from the already commissioned IOC's Dadri-Panipat pipeline with tap-off point at SV-4 (Ch.92 Km ex-Dadri) & SV -6 (Ch 115.6 ex-Dadri). b) from Dadri-Bawana-Nangal pipeline of M/s GAIL, presently under construction with tap off point at TOP: Butrada taluka, Shamli village, Muzaffarnagar, Chainage 69.419...'* It is submitted that only one point is sufficient for connectivity considering the load requirement of entire GA.**	***Note : A Pre-Bid meeting was held on 11/1/11 for Panipat GA and in view of the proposed revision in the overall GA area & charge areas of Panipat, the bid submission/opening date & the last date of bid sale is postponed till further advise.***
67	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.
68	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.	Pl. refer attached details submitted by M/s GAIL
69	In case there is a delay in providing the connectivity by the Transmission operating company to a CGD operator, will the exclusivity period be extended? For many cities, the pipeline networks for transmission of gas is yet to be developed. Since the exclusivityperiod starts from the day of authorization, there shall be a mismatch between CGD development and pipeline network.CGD operator shouldn't be penallized in this situation.	Please refer to the CGD amended regulations GSR No 605 (E) dated 19th July 2010 for extension of exclusivity period.

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
70	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 ." Pl. refer attached details from M/s GEECL.*
71	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.
	Schedule of commencement of activities	
72	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.
	Bidding Issues	
73	Company `A' has been promoted by its parent company 'B'. It will be bidding for CGD network and thus it will be bidding entity.Company B is in existence for more than last three year and its net worth as promoter will be provided along with the comfort letter to be considered for the purpose of bidding criteria, which is permitted as per the guidelines. There is another entity 'C' which has been duly constituted in April 2010 and thus is not having any audited B/S. Its interim Balance Sheet will be as on 30th Sep, 2010. a) whether entity 'C' is eligible to form a consortium with Company B to jointly bid through 'A'. b) whether entity "C's" Net worth along with comfort letter will also be considered for bidding purposes.	a) Pl. refer to Clause 6 of Invitation to Application cum Bid document at page 3. b) Regarding networth, pl. refer Clause 1.5 of Instruction to Bidders at page 12.
74	If an entity is already operating in a particular 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.
75	If the bid is being submitted by a consortium, since the company has not been formed, there shall be no relevant information in Annexure 10A. We would request the Board to remove the rquirement of getting the document certified from Chartered Accountant in such a scenario.	In such a case, Annex 10 B, 10 C & 11 will have to be submitted

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
76	**Does the note no. 4 at the end of Financial Bid stating that *`All quoted figures should be positive numbers'* apply to PNG domestic connections and inch kms also**	**The note may be read as *`All quoted figures for tariffs should be positive numbers, i.e exceeding zero.*'**
77	Will financials of the Group Company or Associate Company be regarded as a valid document in support of the financial eligibility criteria? Please note that the promoters are same in the bidding company and Group Company or Associate Company?	Subsidiary/ Group /Associate any other company will be considered as promoter only if they have equity holdings in the bidding entity.
78	Annexure 10 requires information not older than the last available quarter. For bids due for opening in Jan'10, can this be Sep '09?	In case the results for Dec'10 are not available till then, information based on results of Sep'09 needs to be furnished.
79	If the ultimate parent company has the capabilities as required under Clause b & c of sub regulation 6 of regulation 5 of CGD regulations through its subsidiaries, then would it be qualified under the minimum eligibility ctriteria?	Refer Clause 1.5 & 1.6 of ITB. The capability of the parent company alone and not its other subsidiaries/ JVs or the ultimate parent company shall be considered.
80	If the entity is submitting bids for more than one city, then will the bidder be required to submit common documents like Annual reports, AOA and other common document be enough?	Pl refer Cl 2.1.4. page 14 of Application -cum- bid document for cross reference of common documents.
81	Please clarify whether for the same GA, two parties can bid as part of two different consortia as follows : 1) First Consortia : Party A as lead partner with Party B as subordinate partner; and 2) Second Consortia: Party B as lead partner and party A being the subordinate partner.	No. An entity can participate only once for a particular GA on its own or through an unincorporated JV/ consortium. Otherwise, it shall be treated as multiple bids and all such multiple bids for the GA shall be rejected.
82	Can the bid bond in the form of bank guarantee be issued by any of the banks (PSU/ Private)? What is the amount of the Performance Bank Guarantee that needs to be furnished post winning the bid?	Refer Clause 1.4.4 of Instructions to Bidders regarding Bid Bond. Ref G.S.R. 295 (E) dt. 30/4/09 for relevant details. The amount of PBG shall be equal to the amount of bid bond.
83	In the application form, Pg no 22, under the 3.1.1 (i), the marking of the envelope is written as "PNGRB/CGD/BID/R-3/ 7/GA- JALANDHAR". Will it be JALANDHAR or KUTCH (EAST)?	This may be read as KUTCH (East).
84	Point 4.5.1 of Instructions to Bidders states that the validity of the bank guarantee shall be three years initially, extendable to the economic life of the project in a block of minimum three years. Hence, point 5 a) of the PBG format should be modified accordingly.	Point 5 a) of the PBG format (Annexure 7) is modified as: *`The guarantee herein contained shall remain in full force for three years from the date of issue and will be extendable in a block of minimum three years upto the economic life of the CGD network as specified in the PNGRB regulations'.*
85	Amendment to CGD Regulation vide GSR 295 (E) provides for PBG to be furnished in the form of DD/ pay order also, whereas the bidding document is at variance with this. Pl. clarify.	Clause 4.5.3 of Instruction to Bidders is modified as *`Performance Bond shall be submitted by way of Demand Draft or Pay order or Bank Guarantee from any scheduled bank. DD/ Pay order shall be in the joint name of PNGRB and the entity, payable to either. Bank guarantee shall be as per proforma of Performance Bank Guarantee prescribed at Annexure 7.' Accordingly, the words `Performance Bank Guarantee'* in Clause 4.7.3 of Instructions to Bidders are substituted with *'Performance Bond'*
86	Can a bidding entity withdraw its bid during the extended period and re-apply through a JV/ consortium.	No. If an entity withdraws its bid (whether submitted in its own name or as part of a JV/ Consortium) from a particular GA during such extended period, it can no longer participate in the bidding though another bid document bought either in its own name or through subsidiaries or jointly with other entities for that GA.
87	Requirement of CA certificate in Annexure 13 may be amended as we understand that it does not fall in purview of a CA to ascertain the manpower.	No change.

	CONSOLIDATED CLARIFICATIONS ISSUED FOR ROUND 3 OF CGD BIDDING.	
S.No	**Issues**	**Clarifications**
88	**We are proposing to participate in one of the notified GA wherein, we shall be the sole bidder for the specified GA with a declaration that once we get selected and granted authorization, then we shall form a JV for executing the CGD project, wherein we shall hold majority/ substantial control in terms of holding equity shares and in its composition of directors in the proposed JV company. The bid shall contain full disclosure in respect of its proposed JV company for execution of the CGD project. In this regard, may kindly clarify the following : 1) Whether `authorization' granted to an entity for a GA can be transferred to a proposed JV company, where the bidding entity shall hold more than 50% of its equity shares. And (2) if so, may kindly clarify the `Contents of Declaration' the bidding entity requires to give in the Application-cum-bid document.**	**For Bidding by a consortium, may refer clause 6 & 7 of Invitation to Application cum Bid at page 3 and clause 1.5 of ITB at page 12. The regulations do not permit transfer or assignment of the authorization granted to an entity to any other entity for at least three years after grant of authorization.**
Note 1	**Pipeline connectivity details as provided by M/s GAIL, M/s GSPL & M/s GEECL are enclosed for reference.**	
Note 2	**All clarifications given till now are consolidated above. While clarification at S.no. 9 has been modified, some new clarifications are also issued under S.No. 25,39, 53, 60, 61, 66, 76 & 88 above. All earlier clarifications issued till now are superceded.**	

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 1000 x 4a / K_1)										
	b. Compression Charges for CNG(Sl.no 1d x 1000 x 4b / 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 = 29.65 SCM (Factor K_1)
		(b) 1 Kg = 1.39 Kg SCM (Factor K_2)
		(c) GCV of NG : 8,500 Kcal/ SCM

Date:
Place:

Name and Signature of bidder or authorized signatory
Office Seal

GAIL

ANNEXURE-1

Information on additional tap off points(TOPs) along NG pipeline passing through \ near to the GAs currently under bidding (3rd and 4th Round) by GAIL (INDIA) LTD

S.No	Name of the GA	Likely TOP (name, chainage location details like village, taluka etc.)	Approximate distance of TOP from major town and name of the town (in KM's)
1	Ludhiana	SV-1 on 24" Spurline from Bawana Nangal Pipeline to Ludhiana and Jalandhar under construction, CH: 24.185, Jodhan / Ludhiana Distt.	Approx 5 kms
2	Jalandhar	RT Jalandhar 24" Spurline from Bawana Nangal Pipeline to Ludhiana and Jalandhar under construction, CH: 84.132, Jugral / Jalandhar Distt.	Approx. 5 kms
3	Panipat	Tap-Off: Butrada taluka ,Shamili Village, Muzaffarnagar UP Chainage 69.419 Kms of Bawana - Nangal Pipeline	Approx. 35 kms

GSPL

ANNEXURE-I
List of GA's/ Cities along NG pipeline

S.No.	Name of GA	State	GSPL Pipeline	Likely Tap-off point (Name & Chainage) for connecting to GA	Scheduled commissioning date of Pipeline
1	Bhavnagar	Gujarat	GSPL's under construction Darod-Jafrabad Pipeline	1. TOP :- 04 @ Chainage 79.527 km 2. Village :- Muglana 3. Taluka : Sihor 4. District: Bhavnagar	Schduled to be commission by Sep'10
2	Gandhidham-Anjar Kutch-	Gujarat	GSPL's Morbi Mundra Pipeline	1. TOP :- 05 Receiving Station @ Chainage 129.467 km 2. Village :- Khrapaswariya 3. Taluka : Anjar 4. District: Kachchh	Already Commissioned
3	Bhuj Kutch-	Gujarat	GSPL's Morbi Mundra Pipeline	1. OP :- 05 Receiving Station @ Chainage 129.467 km 2. Village :- Khrapaswariya 3. Taluka : Anjar 4. District: Kachchh	Already Commissioned
4	Jamnagar	Gujarat	GSPL's Rajkot-Jamnagar Pipeline	1. TOP :- 04 @ Chainage 79.146 Km 2. Village :- Chela 3. Taluka : Jamnagar 4. District: Bhavnagar	Already Commissioned

1/5/10

Annexure I

Sl. No.	Name of the GA	Likely TOP (name, chainage location details like village, taluka etc.)	Approximate Distance of TOP from major town and name of the town (in KMs)
1	Asansol- Durgapur	D-6, ADDA Industrial Estate, Asansol-713305 West Bengal	Within the Asansol City

YKM Holdings

Signature Towers - A, 14th Floor, South City, NH-8, Gurgaon 122 001 (Haryana)
T : +91-124 - 455 9900 F : +91-124 - 258 0467 www.geecl.com

Regd. Office : M - 10, ADDA Industrial Estate, Asansol 713 305 (West Bengal)