

HEAD OFFICE  
Uttarakhand Environment Protection and Pollution Control Board  
E-115 Nehru Colony, Dehra Dun (Uttarakhand)

Phone : 0135-2665084, Fax : 2668092, Web : www.ueppcb.uk.gov.in, E-mail : msukpcb@yahoo.com

UEPPCB/HO/Con-S-217/2013 /1179

Date: 24.12.2013  
REGD. POST

To,

M/s Sravanthi Energy Pvt. Ltd.  
Plot No. 15, 16, 17, 40, 136,  
Rider House, 3<sup>rd</sup> Floor, Sector-44,  
Gurgaon, Khaikhera, Distt- U.S.Nagar.

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Expand) under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974" and under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981" and Authorization under "Rule-5" of the "Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008" notified under "Environment (Protection) Act, 1986" as applicable (to be referred hereinafter as Water Act, Air Act and HW Rules respectively).

PCB ID - 12849      Inward ID - 50823  
CCA (Expand)  
Consent No.33213 /1075 Date :- 24.03.2012

CCA is hereby granted to M/s Sravanthi Energy Pvt. Ltd. located at Plot No. 15, 16, 17, 40, 136, Rider House, 3<sup>rd</sup> Floor, Sector-44, Gurgaon, Khaikhera, Distt- U.S.Nagar. subject to the provisions of the Water Act, Air Act and HW Rules and the orders that may be made further and subject to following terms and conditions :-

1. This CCA is granted for a period from 24.03.2012 to 31.03.2013 and valid for manufacturing of following products with Capital Investment/Net Assets Values ₹ 1635 Crs :-

S. No.	Last CTE or CCA		Present CCA (Expand)	
	Product	Quantity (Per Month)	Product	Quantity (Per Month)
I	Electricity	162000 MWH	Electricity	162000 MWH

2. Specific Conditions under Water Act :

- (i) The daily quantity of effluent discharge (KLD) :-

	Last CTE or CCA	Present CCA (Expand)
Trade Effluent	Nil	Nil
Sewage	8	Nil

- (ii) Trade Effluent Treatment and Disposal : The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and/or tertiary treatment as is required with reference to influent quantity and quality.

*In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.*

- (iii) The treated effluent shall be recycled to the maximum extent to achieve Zero Discharge and remaining treated effluent shall be sent to CETP/Reuse in gardening and the same has to be maintained continuously so as to achieve the quality of the treated effluent to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time :-

1	pH	Between	5.5 to 9.0
2	Suspended solids	Not to exceed	100mg/l
3	BOD (3 days 27°C)	Not to exceed	30 mg/l
4	COD	Not to exceed	250 mg/l
5	Oil & Grease	Not to exceed	10 mg/l

- (iv) **Sewage Treatment and Disposal** : The applicant shall provide comprehensive STP/Septic Tank as is required with reference to influent quantity and quality.

*In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately*

- (v) The treated sewage shall be sent to CETP/Reuse in gardening and the same shall be maintained continuously so as to achieve the quality of the treated effluent to the following standards as applicable under **Environment (Protection) Rules, 1986** from time-to-time:-

pH	Between	5.5 to 9.0
Suspended Solids	Not to exceed	100mg/l
BOD 3 days 27 Degree C	Not to exceed	30 mg/l
Oil & Grease	Not to exceed	10 mg/l

**3. Conditions under Air Act :-**

- (i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as is required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards :

S. No	Stack attached with	Stack height (Mt)	Type of Fuel	Fuel Quantity	Emission Control Equipment	Emission standards not to exceed
1	Boiler (140TPH) x 2	40 each	Natural Gas	500 Ltr/day	-	-
2	DGSet (1010KVA) x 2	6.5 each	HSD	0.026	Acoustic Enclosure	-

*In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.*

- (ii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows :-

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day time	Night time	Day time	Night time	Day time	Night time	Day time	Night time
	75	70	65	55	55	45	50	40

Day time : from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

**4. Conditions under HW Rules :-**

- (i) Number of authorization and date of issue : 1075 dt 24/12/2013
- (ii) The **Factory Manager** of **M/s Sravanthi Energy Pvt. Ltd.** is hereby granted an authorization to operate a facility for collection and storage of Hazardous wastes.
- (iii) The authorization is granted to operate a facility for generation, collection and storage of hazardous wastes within factory premises for following category of wastes :-

S.No.	Category (Schedule-I & Schedule-II)	Quantity of Waste for which authorization is being issued (MTA)	Mode of Disposal
1	Schedule I - 5.1	4.00	Recyclable
2	Schedule I - 34.3	50.00	Secure land fillable

- (iv) The authorization shall be in force for a period from **24.03.2012 to 31.03.2013**.
- (v) The authorization is subject to the conditions stated below and such conditions as may be specified in the rules for the time being in force under Environment (Protection) Act, 1986.

**Terms and conditions of authorization :-**

- (i) The authorization shall comply with the provisions of the **Environment (Protection) Act, 1986**, and the rules made there under.
- (ii) The authorization and its renewal shall be produced for inspection at the request of an officer authorized by the SPCB/PCC.
- (iii) The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the SPCB/PCC.
- (iv) Any unauthorized changes in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- (v) It is the duty of the authorized person to take prior permission of the SPCB/PCC to close down the facility.
- (vi) An application for the renewal of an authorization shall be made as laid down under these rules.
- (vii) The unit shall comply with any other conditions specified in the guidelines issued by the MoEF or CPCB/SPCB from time to time.
5. This CCA is valid for the production of Electricity-162000 MWH/Month using Natural Gas only.
6. **Compulsory documents to be submitted by the Industry/Unit :-**
- (i) Annual return in **Form-4** and **Waste Disposal Manifest in Form-13** under HW Rules and **Third Party Audit Report**.
- (ii) Environment Statement in **Form-V** of **Environment (Protection) Rules, 1986**.
- (iii) **Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.**
7. Unit has to apply for renewal of CCA well in advance of 60 days of expiry of this CCA.
8. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
9. Unit has to comply with the other general conditions as annexed herewith. Non compliance of any provision of this CCA and provisions of the **Water Act, Air Act** and **HW Rules** will result in legal action under the aforesaid **Acts and Rules**.

Member Secretary  
28/1/13

Copy to: **Regional Officer, Uttarakhand Environment Protection and Pollution Control Board, Kashipur, Distt- U.S.Nagar** for information and compliance of the same.

Environment Officer

**Specific Conditions:**

1. The applicant shall comply with the provisions of the **Water (Prevention and Control of Pollution) Cess Act, 1977** as amended (to be referred as **Cess Act**) and **Rules** made thereunder.
2. The applicant shall provide ISI mark water meter to each water supply source and shall regularly submit returns of water consumption in the prescribed form and pay the cess as specified under **Section-3** of **Cess Act**.
3. The applicant shall submit audited balance sheet of the unit at the end of each financial year so that fee submitted by the applicant could be assessed.
4. The applicant shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all times by the Board's staff. The chimney/stack attached to various sources of emission shall be designated by numbers such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
5. The industry shall ensure interlocking of air pollution control devices and production processes.
6. Solid wastes generated from the industry has to be disposed in manner so that contamination of surface water bodies/ground water/soil etc. does not take place.
7. The industry shall comply with the **Manufacture, Storage and Imports of Hazardous Chemicals Rules, 1989** notified under the **Environment (Protection) Act, 1986** (as amended).
8. The industry shall take adequate measures to control of noise from its own source so as to comply with the standards as may be applicable.
9. The applicant shall develop three rows of green belt on the premises with plant species as suggested by the **Central Pollution Control Board**.
10. The industry shall strictly adhere with the specific and general conditions issued with CCA order. Any violation of stipulated conditions may attract legal action under the provisions of **Water Act, Air Act and Environment (Protection) Act** and **Rules** made thereunder.
11. The industry shall ensure **all safety measures** and shall undertake **periodical assessment** by the competent authority.
12. Unit shall ensure manifest system in **Form-13** of **HW Rules** while disposing hazardous waste.
13. Hazardous waste should not be stored beyond a period of **90 days**.
14. The industry situated nearby the River Ganga and its tributaries shall ensure the treatment facilities and disposal arrangement in such a way so that no waste water is discharged in water stream or water bodies.
15. In case of non compliance of this CCA, the bank guarantee No. 00560100000546 dated 21.03.2012 ₹ 5.0 Lacs, Axis Bank Ltd. Gurgaon submitted by the unit shall be forfeited by this Board.
16. The unit shall inform the Regional Office, Kashipur and this Office before starting the production of electricity.

**General Conditions:**

1. The applicant shall get analyse the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoE&F and shall report to the UEPPCB.
2. The applicant shall however, not without the prior consent of the **Board** bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
3. Treated waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.
4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If, at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the **Board**, legal action shall be initiated against the applicant.
5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
6. The industry shall provide uninterrupted entry to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control measures.
7. The industry shall provide "Inspection Book" at the time of inspection to the Board's officials.
8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.

9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point.
12. The **Board** reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.
13. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous waste without obtaining prior permission of the **Board**.
14. Any unauthorized change in personnel, equipment as working condition as mentioned in the application by the person authorized shall constitute a breach of his authorization.
15. It is the duty of the authorized person to take prior permission of the **Board** to close down the facility.
16. The authorization is valid for temporary storage of Hazardous Waste within premises only.
17. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being used in the plant as well as air emission and waste generated within premises is displayed on **Display Board of size 6x4 feet** out side the main factory gate within premises.
18. It is duty of the authorized person to take prior permission of this Board to close and cleanup the facility for treatment, storage and disposal of hazardous waste.
19. The applicant shall maintain record of hazardous waste in **Form-3** and shall submit annual return in **Form-4** on or before the 30<sup>th</sup> day of June following to the financial year to which that return relates.
20. In case of any accident, complete details in the light of **Form-14** of the Hazardous Rules shall be submitted to this Board at the earliest.
21. In no case any hazardous waste shall be disposed off on land, in any drain, or into any water stream. All spillage must also be safely collected and stored.
22. Before the hazardous waste is stored or dumped in the facility, applicant must conduct a detailed **physical and chemical analysis of hazardous waste sample** and report to the **Board**.
23. Dried hazardous sludge from the process in the plant shall be **stored in double lined HDPE pit constructed with R.C.C. or such material which does not react with the waste contained in it.**
24. The storage area should be fenced properly and Sign/Notice Board indicating 'Danger' and 'Hazardous' shall be displayed at appropriate position both in Hindi and English.
25. The industry shall store non ferrous metal waste, used oil/spent oil waste in sealed drums placed on impervious floor under covered shed. Hazardous waste if required shall be **sold only to Registered Recyclers/Re-processors.**
26. In case of any transportation of hazardous waste, the details in **Form-13** of the Hazardous Rules shall be submitted to the **Board**.

Environment Officer

Annex - III



Government of India  
Ministry of Power


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Shram Shakti Bhavan, Rafi Marg,  
New Delhi - 110001

As per the information made available by MOP&NG regarding NELP gas the production is likely to go down by 15.03 mmscmd in 2012-13 and additional 3.42 mmscmd in 2013-14 against the availability of 42.67 mmscmd of gas in 2011-12. MOP&NG has not given any projections for the years 2014-15 and 2015-16.

2. It is evident from above that no additional domestic gas is likely to be available till 2015-16. Hence, developers are advised not to plan projects based on domestic gas till 2015-16. The same may be placed on the website of CEA also. When MOP&NG indicates availability of gas, developers will be intimated.

3. This issues with the approval of Secretary (Power).

  
(V Appanna)  
Director (PC)  
Tel: 23711394

Central Electricity Authority [Shri A. S. Bakshi, Chairperson], Sewa Bhawan,  
R K Puram, New Delhi-66

ID No. 4/5/2012-Th I dated 14<sup>th</sup> March, 2012



Government of India  
No. 4/2/2015-Th-I  
Government of India  
Ministry of Power

Shram Shakti Bhawan, Rafi Marg  
New Delhi Dated 27<sup>th</sup> March, 2015

**OFFICE MEMORANDUM**

**Subject: Scheme for utilisation of Gas based power generation capacity**

Sanction of the President of India is hereby conveyed for implementation of the scheme for Utilisation of Gas based power generation capacity for the years 2015-16 and 2016-17. The present gas based capacity, commissioned as well as ready for commissioning in the country is 27,123 MW. Of this, during the current financial year (April 2014 to Jan 2015), the gas grid connected plants with the capacity of 9,845 MW received some limited available domestic gas and operated at an average PLF of 32.2% during this period and are classified as 'Plants receiving domestic gas'. Further, 14,305 MW capacity had no supply of domestic gas and is classified as 'Stranded gas based plants'. The list of Stranded gas based plants and Plants receiving domestic gas is given in **Annexure I** and **Annexure II** respectively.

1. **Scope** : The scheme envisages supply of imported spot RLNG "e-bid RLNG" to the Stranded gas based plants as well as the Plants receiving domestic gas, upto

the target PLF (as defined in para 7 below) selected through a reverse e-bidding process (as explained at para 9 below). The scheme also envisages sacrifices to be made collectively by all stakeholders and support from the PSDF (as detailed in para 5 below).

2. **Funding:** The outlay for the support from PSDF has been fixed at Rs. 3500 Cr. and Rs. 4000 Cr. for FY 2015-16 and FY 2016-17 respectively. Further, PSDF support is apportioned between the two groups as Stranded plants:- Rs. 3000 Cr. Plants receiving domestic gas:- Rs. 500 Cr for FY 2015-16 and Stranded plants:- Rs. 3500 Cr. Plants receiving domestic gas:- Rs. 500 Cr for FY 2016-17.

3. **Empowered Pool Management Committee (EPMC):** An Empowered Pool Management Committee (EPMC) is constituted under the chairmanship of Special Secretary (MoP) / Additional Secretary (MoP) with following members: JS, Department of Revenue, JS (MoP&NG) in charge of gas allocation, JS (Thermal) MoP, JS & FA MoP, Member (Thermal) CEA, Director (Marketing), GAIL, Director (Marketing), GSPCL. This Committee shall meet at appropriate intervals to oversee the implementation of this scheme. The EPMC is fully empowered to resolve the operational issues as may arise from time to time to ensure smooth functioning of the scheme. Thermal Division of Ministry of Power will provide secretarial assistance to the EPMC. Accordingly, JS (Thermal), MoP will act as the Member-Secretary of the EPMC.

4. **Eligible Utilities:** The eligible Gas based power plants under this scheme shall be the Stranded gas based plants and those Plants receiving domestic gas



whose actual average PLF achieved during April – January 2014-15 was below the target PLF. The list of the eligible gas based plants which can participate in the bidding shall be declared prior to bidding based on the target PLF as decided by the EPMC.

5. **Contribution by different stakeholders:** In order to achieve the target price of power (as explained at para 6 below), the following interventions/sacrifices have been approved to be made by the Central Government, State Governments, power developers and gas transporters collectively:-

- i. Customs duty waiver on imported LNG: GOI has already exempted Customs duty on imported LNG used for power generation. The procedure for availing this benefit has been simplified further for which Department of Revenue, Ministry of Finance, will issue appropriate notification. The revised procedure is placed at **Annexure-III**.
- ii. Waiver of Value Added Tax (VAT) on the e-bid RLNG: The concerned State Governments are required to waive VAT on the e-bid RLNG consumed in power generation, based on the invoicing done by the gas supplier.
- iii. Waiver of Central Sales Tax (CST), Octroi and Entry Tax on the e-bid RLNG: Central Sales Tax (CST), Octroi and Entry Tax shall be exempted by the concerned States on the e-bid RLNG. Further, in case of CST sale of RLNG, the Entry tax being levied by States shall be exempted by the respective States on the e-bid RLNG.
- iv. Waiver of Service Tax on regasification and transportation of the e-bid RLNG: The Service Tax on regasification and on transportation of e-bid RLNG has



- been waived off, for which Department of Revenue, Ministry of Finance will issue appropriate notification
- v. Reduction in pipeline tariff charges by GAIL / transporters on the e-bid RLNG: GAIL / other transporters (RGTIL and GSPCL) shall reduce the pipeline tariff by 50% on e-bid RLNG. It may be noted that for the reduction in pipeline tariff, the concurrence of PNGRB may be required which would be facilitated by MOP&NG.
  - vi. Reduction in Regasification charges by Regasification agencies on the e-bid RLNG: The Regasification agencies shall reduce the regasification charges by 50% on the e-bid RLNG.
  - vii. Reduction in marketing margin by GAIL / GSPCL on the e-bid RLNG: GAIL / GSPCL shall reduce marketing margin by 75% on sell of e-bid RLNG.
  - viii. Capping of fixed cost to be recovered by the stranded developers: For the stranded gas based plants, the developers shall completely forego the return on their equity as detailed in para 10 below. Accordingly, the fixed cost recovery shall be limited to meet only the obligation towards debt servicing and Operation & Maintenance (O&M) cost
  - ix. Provision for co-mingling and swapping of gas: The procedure for co-mingling and swapping of gas has been simplified further as given in **Annexure-IV**, for which Department of Revenue, Ministry of Finance will issue appropriate notification
  - x. Exemption from transmission charges and losses for stranded gas based power projects on lines of solar power on generation from the e-bid RLNG: Transmission charges and transmission losses of the CTU and/or STU as the

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case may be, for the incremental gas based power so produced by the e-bid RLNG are waived off, on the lines of solar power.

- xi. Support from Power System Development Fund (PSDF): PSDF support by the Government of India shall be made available to the Discoms through a transparent reverse e-bidding process as explained at para 9 and 10 below. Further, the support from PSDF will be made available only for the incremental PLF above the base PLF achieved by the gas based plant during April-Jan, 2014-2015 and upto the target PLF. The incremental generation will be as defined by EPMC.
- xii. In addition to above, the stranded power plants may also require financial relief from Banks/ Financial Institutions (FIs) so that they are able to meet their debt service obligations. The individual gas based power plants may approach the lead bank in the consortium or banks (in case of multiple banking arrangements) who may consider their proposal in terms of RBI guidelines.

The benefits under this proposal will be available to only those gas plants where the host State governments agree to the waiver of VAT, CST, Entry Tax / Octroi etc. as proposed above.

6. **Target PLF and Target price:** The EPMC will fix the target PLF and the target price for the power. The indicative target PLF is as below -

	Indicative target PLF (%)			
	FY 16		FY 17	
	5 Monsoon months	7 Non-Monsoon months	5 Monsoon months	7 Non-Monsoon months
Stranded Plants	25%	30%	30%	30%
Plants receiving domestic gas	25%	30%	30%	30%

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The indicative "Target price" which is the net purchase price for the Discoms, will be Rs. 5.50/unit for the stranded gas based plants, and Rs. 4.19/unit for Plants receiving domestic gas for incremental generation upto target PLF. The EPMC may alter the indicative target PLF and/or the indicative target price depending upon the response during reverse e-bidding, while ensuring that the support required from PSDF does not exceed the approved amount for 2015-16 and 2016-17.

7. **e-bid RLNG Operator:** GAIL is appointed as the 'e-bid RLNG Operator' for the gas based plants outside Gujarat and GSPCL will be 'e-bid RLNG Operator' for the gas based plants within Gujarat. Further, it is clarified that GAIL will be the only agency for the procurement of e-bid RLNG under the proposed mechanism.

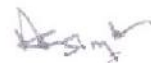
8. **Reverse e-bidding for PSDF support and Operational mechanism:** The broad mechanism for the reverse e-bidding shall be as given in **Annexure-IV**, while the detailed procedure for the reverse e-bidding process will be finalized by EPMC.

9. **Release of PSDF support by Gol:**

PSDF support will be released as broadly given below and as further firmed up by EPMC:

a) Support from PSDF will be given to the Discoms purchasing the e-bid RLNG based power periodically upon receiving the following documents:

(i) Certification by CEA for each participating gas based plant regarding the quantum of electricity to be generated per unit of gas based on the technical parameters of that plant;



- (ii) Certification by GAIL regarding quantity of e-bid RLNG gas supplied during the relevant period;
- (iii) Self-Certification by the participating gas based plant regarding the quantity of e-bid RLNG gas actually utilized during the relevant period for generation of electricity, and Discom-wise supply of such electricity;
- (iv) Certification by participating Discoms regarding the quantum of e-bid RLNG based electricity purchased during the relevant period from participating gas based plants;
- (v) In case of plants receiving domestic gas (Annexure-II), PSDF support will be available only for incremental generation of electricity during the relevant period over and above the PLF achieved during April-January 2014-15. Thus, for example, if the PLF actually achieved during April-January 2014-15 is 20%, and if during the relevant period the PLF achieved is 25% from all sources including that from e-bid RLNG, then PSDF support will be made available for the electricity corresponding to  $25-20 = 5\%$  PLF, but limited to the actual generation from e-bid RLNG during that relevant period.
- (vi) EPMC will be authorized to lay down further guidelines in this regard, including appropriate modification in the requirement of above documentation, in the interest of ease of operation, subject to the overall condition that PSDF support will be available only for incremental generation of electricity from e-bid RLNG. The modalities for the disbursement of the PSDF support will be worked out separately.



- b) The EPMC will authorize the release of PSDF support to the Discom.
  - c) Discom will in turn pay the gross value of the purchased power (i.e the amount including the support from PSDF) to the power producer.
  - d) All receipts and payments relating to e-bid RLNG based power generation will be necessarily routed through a single designated Trust & Retention account (TRA) controlled by the Lead Bank for the power producer.
  - e) In case of the stranded gas based plants, the Lead Banker will ensure that all receipts of money would be utilized only for payments towards the variable cost of generation plus O&M expenses as per the CERC/concerned regulator guidelines in force and debt servicing after capping the fixed cost and ensure that no payments are made towards any return on equity to the sponsors of the project.
  - f) In case of the Plants receiving Domestic gas, the Lead Banker / EPMC will ensure that all receipts of money would be utilized only for payments towards the variable cost of generation.
  - g) The Lead Bank will certify to the EPMC on a quarterly basis that the receipts of money have been utilized solely for the intended purposes.
10. **Execution period:** The scheme shall be applicable for 2 years i.e. for FY 2015-16 and FY2016-17 and will be reviewed thereafter.

11. **Bid Process Management** GAIL will appoint MSTC Ltd on nomination basis as the service agent for the bid process management. Further, GAIL may also appoint a

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transaction advisor, if required. The costs towards MSTC and transaction advisor shall be borne by PSDF.

12. This issues with the concurrence of Finance Branch of the Ministry of Power vide their Dy No. 615/DS/(F)/ dated 27.03.2015.

*ASMF 27/3/2015*

(A. K. Singh)

Joint Secretary to Government of India

Tel: 23714842

To:

1. Secretary, Department of Revenue, Government of India, New Delhi
2. Secretary, Ministry of Finance, Department of Expenditure, New Delhi.
3. Secretary, Ministry of Finance, Department of Economic Affairs, New Delhi
4. Secretary, Department of Financial Services, Government of India, New Delhi.
5. Secretary, Ministry of Petroleum & Natural Gas, Government of India, New Delhi.
6. Secretary, Department of Fertilizer, Government of India, New Delhi.
7. Chief Secretaries of All States.
8. Chairperson, Central Electricity Authority, R.K. Puram, New Delhi.
9. Secretary, CERC, New Delhi.
10. Secretary, PNGRB
11. CEO, POSOCO
12. Energy/Power Secretaries of all State Governments
13. Chairman of State Electricity Boards/CMDs of State Power Utilities
14. Chairman and Managing Director, GAIL.

Copy forwarded to:

1. CEO, Niti Ayog, New Delhi.
2. Director, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.
3. Finance/Budget Section, Ministry of Power, New Delhi
4. Controller of Accounts, Ministry of Power, New Delhi.
5. Principal Director of Audits, Economic and Services Ministries, AGCR Building, IP Estate, New Delhi
6. Department of Programme Implementation, Sardar Pael Bhawan, New Delhi.

*ASMF*

Copy to:

1. PS to Minister of State for Power (Independent Charge)/ PS to Minister of State for Petroleum and Natural Gas (Independent Charge)
2. PPS to Secretary (Power)/ Secretary MoPNG
3. PPS to SS(RNC)/Sr PPS to SS(DC)
4. PS to JS(Th)/Joint Secretary & FA/Al JS in Ministry of Power.

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## LIST OF STRANDED GAS BASED CAPACITY

(Average PLF during April,14-January,15)

S. No	Name of Power Station	Installed Capacity (MW)	Name of the State	PLF (%) (April-Jan, 2014-15)
<b>CENTRAL SECTOR</b>				
1	RATNAGIRI (RGPPL-DHABHOI)	1967	MAHARASHTRA	0.0
	<b>Total (CS)</b>	<b>1967</b>		<b>0.0</b>
<b>STATE SECTOR</b>				
2	PRAGATI CCGT-III	750	DELHI	0.0
3	DHUVARAN CCGP(GSECL)	112	GUJARAT	0.0
4	UTRAN CCGP(GSECL)	374	GUJARAT	0.0
5	PIPAVAV CCGP	702	GUJARAT	0.0
6	DHUVARAN CCGP(GSECL)	376.3	GUJARAT	0.0
7	HAZIRA CCGP EXT	351	GUJARAT	0.0
	<b>Total (SS)</b>	<b>2665.3</b>		<b>0.0</b>
	<b>TOTAL(PUBLIC)</b>	<b>4632.3</b>		<b>0.0</b>
<b>PRIVATE SECTOR</b>				
1	VATWA CCGP (TORRENT)	100	GUJARAT	0.0
2	RITHALA CCGP (NDPL)	108	DELHI	0.0
3	ESSAR CCGP **	300	GUJARAT	0.0
4	UNOSUGEN CCGP	382.5	GUJARAT	0.0
5	DGEN Mega CCGP	1200	GUJARAT	0.0
6	GAUTAMI CCGP	464	ANDHRA PRADESH	0.0
7	GMR - KAKINADA (Tanirvavi)	220	ANDHRA PRADESH	0.0
8	JEGURUPADU CCGP (GVK)	220.5	ANDHRA PRADESH	0.0
9	KONASEEMA CCGP	445	ANDHRA PRADESH	0.0
10	KONDAPALLI EXTN CCGP	366	ANDHRA PRADESH	0.0
11	VEMAGIRI CCGP	370	ANDHRA PRADESH	0.0
12	SRIBA INDUSTRIES	30	ANDHRA PRADESH	0.0

S. No	Name of Power Station	Installed Capacity (MW)	Name of the State	PLF (%) (April-Jan, 2014-15)
13	RVK ENERGY	28	ANDHRA PRADESH	0.0
14	SILK ROAD SUGAR	35	ANDHRA PRADESH	0.0
15	LVS POWER	55	ANDHRA PRADESH	0.0
16	GMR Vemagiri Exp	768	ANDHRA PRADESH	N/A
17	Kondapalli Exp St-III	742	ANDHRA PRADESH	N/A
18	Samalkot Exp	2400	ANDHRA PRADESH	N/A
19	CCGT by Panduranga	116	ANDHRA PRADESH	N/A
20	Gas Engine by Astha	35	TELENGANA	N/A
21	Kashipur Sravanthi St-I&II	450	UTTARKHAND	N/A
22	Beta Infratech CCGT	225	UTTARKHAND	N/A
23	Gama Infraprop CCGT	225	UTTARKHAND	N/A
24	CCGT by Pioneer Gas Power Ltd	388	MAHARASHTRA	N/A
	<b>Total (PVT)</b>	<b>9673</b>		<b>0.0</b>
	<b>Total</b>	<b>14305.3</b>		<b>0.0</b>

- Note that out of total 515 MW capacity, 300 MW electricity is being supplied to grid & balance 215 MW is used as captive generation.

*Asmita*

## LIST OF PLANTS RECEIVING DOMESTIC GAS

(Average PLF during April,14-January,15)

S. No	Name of Power Station	Installed Capacity (MW)	Name of the State	PLF (%) (April-Jan, 2014-15)
<b>CENTRAL SECTOR</b>				
1	NTPC, FARIDABAD CCPP	431.59	HARYANA	42.3
2	NTPC, ANTA CCPP	419.33	RAJASTHAN	47.9
3	NTPC, AURAIYA CCPP	663.36	UTTAR PRADESH	28.5
4	NTPC, DADRI CCPP	829.78	UTTAR PRADESH	34.6
5	NTPC, GANDHAR (JHANORE)	657.39	GUJARAT	31.0
6	NTPC, KAWAS CCPP	656.2	GUJARAT	31.8
	<b>TOTAL (CS)</b>	<b>3657.65</b>		<b>34.8</b>
<b>STATE SECTOR</b>				
7	I.P. CCPP	270	DELHI	41.2
8	PRAGATI CCGT-III	750	DELHI	33.5
9	PRAGATI CCPP	330.4	DELHI	66.2
10	DHOLPUR CCPP	330	RAJASTHAN	31.2
11	DHUVARAN CCPP(GSECL)	106.42	GUJARAT	17.1
12	HAZIRA CCPP(GSEG)	156.1	GUJARAT	16.0
13	UTRAN CCPP(GSECL)	144	GUJARAT	10.4
14	URAN CCPP (MAHAGENCO)	672	MAHARASHTRA	60.0
	<b>TOTAL (SS)</b>	<b>2758.92</b>		<b>41.5</b>
	<b>TOTAL(PUBLIC)</b>	<b>6416.57</b>		<b>37.7</b>
<b>PRIVATE SECTOR</b>				
1	TROMBAY CCPP (TPC)	180	MAHARASHTRA	78.5
2	BARODA CCPP (GIPCL)	160	GUJARAT	3.1
3	GODAVARI (SPECTRUM)	208	ANDHRA PRADESH	28.4
4	JEGURUPADU CCPP (GVK)	235.4	ANDHRA PRADESH	25.4
5	KONDAPALLI CCPP (LANCO)	350	ANDHRA PRADESH	19.8
6	PEDDAPURAM (BSES)	220	ANDHRA PRADESH	11.6
7	VIJESWARAN CCPP	272	ANDHRA	24.8

S. No	Name of Power Station	Installed Capacity (MW)	Name of the State	PLF (%) (April-Jan, 2014-15)
			PRADESH	
8	PEGUTHAN CCPP (GTEC)	655	GUJARAT	5.4
9	SUGEN CCPP (TORRENT)	1147.5	GUJARAT	25.6
	TOTAL (PVT)	3427.9		22.0
	GRAND TOTAL	9844.47		32.2

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ANNEXURE-III

Revised procedure for availing Custom Duty waiver on imported LNG

- (a) The importer furnishes a self-declaration in the first instance indicating the quantity of LNG being imported for supply as RLNG to generating companies as defined in Section 2(28) of the Electricity Act 2003;
- (b) The importer produces the invoice for sale of RLNG to the generating companies within a period of three months from the date of import, or such extended period not exceeding a further period of six months as the Commissioner of Customs may allow;
- (c) The importer also produces utilisation certificates from the generating companies to the effect that the RLNG has been utilised for generating and supplying electrical energy by the said generating companies, and such utilisation certificate should be produced within a period of three months from the date of import, or such extended period not exceeding a further period of six months as the Commissioner of Customs may allow;
- (d) The importer furnishes an undertaking to pay, on demand, in the event of his failure to comply with any of the aforesaid conditions, an amount equal to the difference between the Customs duty leviable on such goods but for the exemption contained therein and the duty levied at the time of import, along with the applicable interest thereon;
- (e) Where the importer has furnished the invoices and utilisation certificates for a quantity greater than the quantity indicated in self-declaration furnished under (a) above, then the importer shall be allowed to adjust the duty paid on such additional quantity in the subsequent imports for which duty is otherwise payable;
- (f) For the spot LNG to be imported for the purpose, GAIL will give a corporate guarantee backed by Board resolution. In turn, GAIL may, if it so desires, enter into appropriate back-to-back guarantee with gas based plants to whom such e-bid RLNG will be supplied.

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**Simplification in procedure for gas swapping and co-mingling**

In order to supply e-bid RLNG adequate provision of swapping of gas would be essential. Under the gas swap, KG D6 gas will be diverted to IPPs in AP and in lieu of the same, the existing off-takers of KG-D6 gas will be supplied e-bid RLNG. In order to ensure the transaction to be revenue neutral to the existing fertilizer customers of KG D6 and also for the pipeline transporters concerned, the beneficiary IPPs in AP need to bear additional costs incurred in this transaction towards AP State VAT and reverse flow transportation tariff under the PNGRB regulations. This will also lead to a payment of ship-or-pay charges up to 90% of the contractual transportation volumes by the fertilizer units to the transporter (RGTEL). Accordingly, Ministry of Finance shall allow the Ministry of Fertilizer to issue suitable modifications in the subsidy reimbursement norms to address this anomaly. Similarly for gas swapping for the States of Gujarat with Maharashtra/Goa/Karnataka customers will be required as e-bid RLNG cannot be transported from Dabhol terminal to Gujarat along GAIL's pipeline network. Accordingly, following clarification by the Department of Revenue, Ministry of Finance will be issued :

*"Where the goods sold or purchased are transported through a common transport/distribution system (such as a common carrier pipeline), wherein the goods may be comingled and fungible with the goods of other parties, so long as an equivalent quantity of the goods introduced into the system in one state is taken out of the system in other State (as evidenced through commercial documentation) such contractual movement of goods is considered to be occasioned from one State to another and only applicable tax shall be CST and states should have no ability to levy VAT on such transactions"*



## Reverse e-bidding for PSDF Support and Operational Mechanism

- a) The eligible gas based plants will be required to indicate within the target PLF the additional power that would be generated (in MUs) and the support required per unit of generation (in Rs. per unit) from PSDF with a commitment that the net price to Discoms is not more than the target price or as decided by the EPMC. Thus, while the gas based plants are free to sell their power below the target price but the support from PSDF will, however, be restricted to the target price.
- b) The total quantity of support from PSDF for each year has been decided as mentioned at para 2 of the OM. Similarly, the total quantum of e-bid RLNG which can be imported during monsoon and non-monsoon months will be indicated by GAIL. This will in turn translate into an indicative maximum quantity (in Million Units) of electricity that can be generated using this e-bid RLNG.
- c) The bidding for the Stranded gas based plants and the Plants receiving domestic gas will be conducted separately.
- d) The EPMC will fix the upper ceiling of per unit support required from PSDF, below which the reverse e-bidding will take place. The upper ceiling will be the indicative average per unit support of PSDF as given below in order to allow bidding space for maximizing competition:
- | PSDF Support Ceiling Price (Rs/per unit) |       |       |
|--|-------|-------|
|  | FY 16 | FY 17 |
| Stranded Plants                          | 0.94  | 0.95  |
| Plants receiving domestic gas            | 1.26  | 1.28  |
- EPMC will have the power to modify this ceiling price for the successful conduct of reverse e-bidding.
- e) The eligible bidders, while participating in the reverse e-auction, will be required to indicate during the online bidding process, the total incremental electricity which they will generate using the e-bid RLNG, as well as the per unit PSDF support (in Rs. per unit) which they will require in order to ensure that the net purchase price for the Discoms is not more than the target price as decided by the EPMC, without exceeding the target PLF.
- f) The process will be carried out online through reverse e-bidding during a declared bidding window period. It will be the responsibility of the bidder to take into account various factors, such as, the benefits of the interventions available (as discussed at para 6 of the OM, Contribution by different stakeholders), PPAs if any entered into or likely to be entered into by the bidder, availability of transmission corridors and all other conditions likely to impact the generation and sale of power.
- g) GAIL will indicate the likely price of the e-bid RLNG (in US\$/mmbtu) and the total available quantity, prior to the e-bidding process. The actual

payment of PSDF support, however, will be based on the prevailing exchange rate and the then prevailing gas prices for which an appropriate linkage formula between the actual gas price and per unit PSDF support will be prescribed by EPMC prior to bidding. Any increase or decrease in the spot RLNG price or forex rate will be a pass through to PSDF, but only upto the annual limit of the total PSDF support available.

- h) Total PSDF support and total e-bid RLNG will be fixed and the bidder can sell the power at a net purchase price to the Discoms of not more than target price and operate not exceeding the target PLF. These are the boundary conditions within which the bidding will take place. The bidder will bid on per unit PSDF support required and incremental generation (MUs) from the e-bid RLNG. These figures would then be ranked based on per unit support from PSDF in ascending order. The cut off will be the point when either of the two boundary conditions i.e. total PSDF support or total e-bid RLNG quantity is exhausted.
- i) If there is a surplus at the cut off level, EPMC will have the flexibility to either reduce further the target price of power and/or to increase the target PLF without exceeding the total amount of PSDF support and the entire bidding process will be repeated again. The EPMC will also have the freedom to decide the period covered under the bidding. EPMC will be authorized to appropriately design the bidding process and finalize the same.
- j) CEA will vet the gas requirement for electricity to be generated by each winning bidder and communicate the same to GAIL. GAIL will be responsible for procuring LNG in accordance with its procurement procedures and it will communicate the actual price of the e-bid RLNG to EPMC and to the successful bidders on a periodical basis.
- k) Post award, the winning gas based plants will be allowed a limited time frame (as decided by EPMC) during which the various stakeholders will have to fulfill the required conditions/ formalities as mentioned at para 6 of the OM including entering into Take or Pay (ToP) contractual arrangement for the e-bid RLNG with the e-bid RLNG operator.
- l) The scheme shall also not prejudice the current contracts and ongoing cases in the court of law between GAIL/GSPCL and several other parties on related matters. MoP&NG will also facilitate requisite co-ordination with PNGRB for implementing the proposed mechanism.
- m) The outcome of bidding process will be communicated to CERC and the SERCs so that the concerned regulator may take further appropriate action so as to ensure that the net price of power to the Discoms does not exceed the target price after factoring in the support from PSDF.
- n) Further, it may be noted that the gas based plants will work in combined cycle mode (i.e. both gas turbine and steam turbine in operation) only. With less availability of pooled gas, the individual gas based plant has to optimize the operation of the number of modules/ gas turbines at higher loading factor in order to have viable and efficient operation. Further, options like diversion / rostering of gas between plants of the same bidder will be permitted.

- o) It is clarified that the gas based plants will be free to generate additional power by separately procuring additional RLNG from the market on their own and to sell such additional power so generated at market rates.

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Letter No: 4/14/2016-Th-I  
Government of India  
Ministry of Power

Shram Shakti Bhawan, New Delhi  
Dated: the 21<sup>st</sup> March 2016

To  
Sravanthi Energy Private Limited  
3rd Floor Rider House,  
Sector 44, Gurgaon-122002

Subject: Declaration of Successful Bidder for the PSDF Support to Stranded Gas Based Plants (Phase III) pursuant to the Tender Document No. 4/2/2016-Th-I dated March 1, 2016 ("Tender Document").

Sir,

We refer to the Technical Bid submitted by you pursuant to the Tender Document. We also refer to the Financial Bid submitted by you on 20<sup>th</sup> March, 2016 in the electronic auction conducted by MSTC Limited pursuant to the Tender Document.

Pursuant to the Tender Document and the decision taken by EPMC dated 21<sup>st</sup> March 2016, I am directed to declare **M/s Sravanthi Energy Private Limited** as 'Successful Bidder' for PSDF Support to your Eligible Gas Based Plant as set out in Annexure - I.

Details of the Eligible Gas Based Plant, Per Unit PSDF Support, Total Incremental Electricity and Allocated e-bid RLNG to the Successful Bidder are set out in Annexure - I hereto.

This declaration and award are subject to the fulfilment of the following terms and conditions by you within the prescribed time as follows:

- (a) The Successful Bidder is required to furnish the PSDF Performance Security for an amount equal to INR 2,91,87,000 (Indian Rupees Two Crore Ninety One Lakh and Eighty Seven Thousand) by 1200 hours of March 28, 2016.



Annexure I: Details of Eligible Gas Based Plant, Per Unit PSDF Support, Total Incremental Electricity and Allocated e-bid RLNG

Name of Successful Bidder: Sravanthi Energy Private Limited

Details of Eligible Gas Based Plant

S. No.	Name of Eligible Gas Based Plant	Address of Eligible Gas Based Plant	Capacity (MW)	Base PLF (%)	Target PLF (%)
1	KASHIPUR SRAVANTHI ST-I & II	Khaikhera Village Kashipur, Udhamsinghnagar, Uttarakhand	450	0	30

Per Unit PSDF Support – Rs (0.03) per Unit

Total Incremental Electricity – 20,70,00,002 Units

Allocated e-bid RLNG – 4,57,83,396 SCM



- (b) The Successful Bidder is required to submit a copy of the Trust and Retention Account Agreement executed between the Successful Bidder and its lender to the Nodal Authority by 1200 hours of March 28, 2016.
- (c) The Successful Bidder is required to sign and execute the PSDF Support Agreement with the Nodal Authority and e-bid RLNG Sale Agreement with e-bid RLNG Operator on March 29, 2016.
- (d) For execution of the PSDF Support Agreement and the e-bid RLNG Sale Agreement, the Successful Bidder shall depute an Authorised Representative. The Authorised Representative of the Successful Bidder shall be present for execution of said agreements with: (a) photo identity issued by any government authority confirming identity of such person along with a self-attested photocopy; (b) original certified true copy of a resolution passed by the board of directors of the Successful Bidder authorising the Authorised Representative to execute the PSDF Support Agreement and e-bid RLNG Sale Agreement on behalf of the Successful Bidder and do all such acts as may be necessary or incidental thereto; (c) any other related document to confirm identity and authority of the Authorised Representative; and (d) four stamp papers of Rs. 500/- each for execution of the said agreements at New Delhi.
- (e) The Successful Bidder is required to submit one counterpart of the duly executed Discom's Letter of Confirmations to the Nodal Authority by 1700 hours of March 31, 2016.

The Successful Bidder should sign and return the duplicate copy of the Letter of Award in acknowledgement thereof by 1200 hours of March 28, 2016. In the event the duplicate copy of the Letter of Award duly signed by the Successful Bidder is not received by the stipulated date, the Nodal Authority may appropriate the Bid Security and also terminate the Letter of Award.



Nodal Authority  
Ministry of Power