



OPGC
Power for Progress

ODISHA POWER GENERATION CORPORATION LTD.

(A Government Company of the State of Odisha)

CIN : U40104OR1984SGC001429

Regd. Off. : Zone-A, 7th Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar - 751023, Odisha
Ph. : 0674-2303765 - 66, **Fax :** 0674-2303755 / 56
Web : www.opgc.co.in,

Ref.: OPGC Units-1&2/Tariff/ 1239

24th May 2018

To

The Secretary,
Odisha Electricity Regulatory Commission,
Plot No. 4, Chunokoli, SailashreeVihar,
Bhubaneshwar – 751 021

Sub: Authorisation of Mr. Ritwik Mishra, GM (C&RA) for filing of Petition for Re-determination of Tariff for Odisha Power Generation Corporation Ltd. for FY 2017-18 pursuant to the Judgment of the Hon'ble Supreme Court dated April 19, 2018 in Civil Appeal No. 9485 of 2017

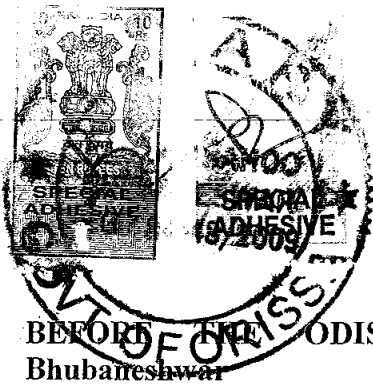
Sir,

This is to certify that Mr. Ritwik Mishra, functioning as General Manager (C&RA), Odisha Power Generation Corporation Limited, posted at the corporate office at Zone-A, 7th Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar – 751 023, Odisha, India (Petitioner), is hereby authorised to file the Petition for Re-determination of Tariff for Odisha Power Generation Corporation Ltd. for FY 2017-18 pursuant to the Judgment of the Hon'ble Supreme Court dated April 19, 2018 in Civil Appeal No. 9485 of 2017 and represent the Petitioner during the regulatory proceedings in the matter before the Hon'ble Odisha Electricity Regulatory Commission.

Thanking you,

Yours faithfully,

(Indranil Dutta)
Managing Director



AFFIDAVIT

**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION,
Bhubaneswar**

FILE NO.

CASE NO. _____ OF 2018

IN THE MATTER OF: Petition for Re-determination of Tariff for Odisha Power Generation Corporation Ltd. for FY 2017-18 pursuant to the Judgment of the Hon'ble Supreme Court dated April 19, 2018 in Civil Appeal No. 9485 of 2017

AND


IN THE MATTER OF:

Odisha Power Generation Corporation Ltd. (OPGC)
Zone-A, 7th Floor, Fortune Towers,
Chandrasekharpur, Bhubaneswar – 751 023

..... Petitioner

I, Ritwik Mishra, son of Shri. Muralidhar Mishra, aged about 49 years, residing at Flat No. E/3, Brindavan Enclave, Khandagiri Bari, Bhubaneswar – 751 030, do solemnly affirm and say as follows:

- (a) That I am the General Manager (C&RA) of Odisha Power Generation Corporation Limited, the Petitioner in the above matter and am duly authorised by the said Petitioner to make this affidavit on its behalf.
- (b) The statements made in paragraphs ...~~1 to 4~~... of the Petition herein now shown to me are true to my knowledge and statements made in paragraphs ...~~1 to 4~~... are based on information made available to me and I believe them to be true.


PUSKAR SAHOO
JOINTLY, BHUBANESWAR
GOVT. OF ODISHA
Mob - 9337129137

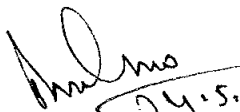
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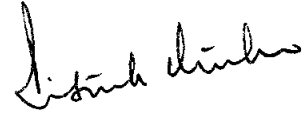


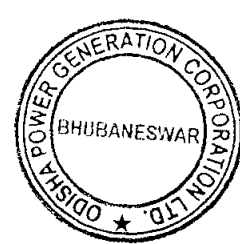
Verification

I, the deponent above named do hereby verify that the contents of my above affidavit are true to my knowledge; no part of it is false and nothing material has been concealed there from.

Verified at Bhubaneswar on the ^{24th}..... day of May, 2018.


24.5.2018
PUSKAR SAHOO
NOTARY, BHUBANESWAR
GOVT. OF ODISHA
Mob: 9337129137


Deponent



ODISHA POWER GENERATION CORPORATION LIMITED
BHUBANESWAR



**PETITION FOR RE-DETERMINATION OF TARIFF FOR FY
2017-18 PURSUANT TO THE JUDGMENT OF THE HON'BLE
SUPREME COURT DATED APRIL 19, 2018 IN CIVIL APPEAL
NO. 9485 OF 2017**

MAY, 2018

**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION,
BHUBANESHWAR**

CASE No. ____ of 2018

IN THE MATTER OF Petition for Re-determination of Tariff for Odisha Power Generation Corporation Ltd. for FY 2017-18 pursuant to the Judgment of the Hon'ble Supreme Court dated April 19, 2018 in Civil Appeal No. 9485 of 2017

AND

IN THE MATTER OF Odisha Power Generation Corporation Ltd. (OPGC Ltd.),
THE APPLICANT Zone-A, 7th Floor, Fortune Towers, Chandrasekharpur,
Bhubaneswar-751023, Odisha, India(Petitioner)

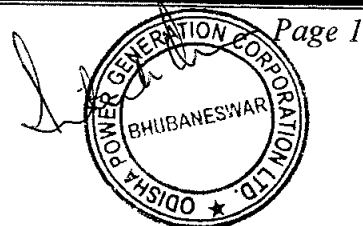
**ODISHA POWER GENERATION CORPORATION LIMITED ("The Petitioner")
RESPECTFULLY SUBMITS AS FOLLOWS:**

Odisha Power Generation Corporation Limited (hereinafter referred as "OPGC" or "the Petitioner") is a company incorporated under the Companies Act, 1956 and having its registered office at Zone-A, 7th floor, Fortune Towers, Chandrasekharpur, Bhubaneswar, Odisha-751023.

GRIDCO Limited ("GRIDCO") had entered into Bulk Power Supply Agreement ("PPA") with OPGC dated August 13, 1996, for purchase of power from its Generating Units 1 & 2, having capacity of 420 MW (210 MW x 2) of IB Thermal Power Station. The said PPA came into force from January 1, 1995 and was approved by Government of Odisha ("GoO") in exercise of its power under Section 43A of the Electricity (Supply) Act, 1948.

OPGC, GRIDCO and GoO signed a Tripartite Agreement dated October 18, 1998 ("Tripartite

Petition for Re-determination of Tariff for FY 2017-18



Agreement”) providing certain further amendments to the existing PPA and other provisions including those concerning the establishment of Units 3 & 4 of IB Thermal Power Station by OPGC. Further an Escrow and Securitization Agreement dated November 30, 1998 was entered between OPGC, GRIDCO and Union Bank of India. In 2001, disputes arose between the parties in respect of the enforcement of the said Escrow and Securitization Agreement.

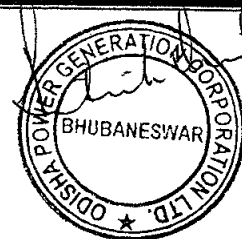
After resolving the disputes between the parties, OPGC and GRIDCO agreed to amend the existing PPA and Tripartite Agreement based on GoO Notification dated June 21, 2008 (“2008 Notification”). The relevant extract of the GoO’s Notification dated June 21, 2008 is as follows:

“3. After careful consideration of the recommendations of the task force, Government have been pleased to decide as under;

- (a) In order to avoid any ambiguity with regard to tariff norms and parameters for Units 1 & 2, the provisions for calculation of incentive in the existing PPA shall stand amended to enhance the Plant Load Factor (PLF) from 68.49% to 80%. All other terms and parameters for determination of tariff for Units 1 & 2 shall be as per the existing PPA. Suitable amendments will be made in the PPA accordingly including deletion of all reference to change in tariff parameters in future. In other words, all tariff parameters will stand frozen till validity of amended PPA notwithstanding modification in tariff norms by CERC from time to time.*
- (b) The amended PPA shall be filed before the OERC for consent/approval.*
- (c) The amended PPA shall be effective with effect from 01.04.2007.”*

Accordingly, an agreement was signed on September 6, 2012 as Supplemental to the Tripartite Agreement executed on October 18, 1998 (together called “Amended Tripartite Agreement”). The Amended Tripartite Agreement has been made effective from October 12, 2009.

Subsequently, OPGC and GRIDCO signed an amendment to existing PPA on December 19, 2012 by amending certain clauses (together called the “Amended PPA”).



Hon'ble OERC vide its Order dated April 27, 2015 approved the Amended PPA as under (with emphasis added by underlining):

"9. The above stipulation in PPA provides for settlement of issues if any arise due to implementation of this PPA in a future date the same shall be resolved basing on mutual discussion keeping intent and objects of the PPA intact. Therefore, the Commission has no objection to approve the PPA including its amendment between GRIDCO and OPGC for purchase of power from Unit 1 & 2 of Ib Thermal Power Station as it stands now.

...

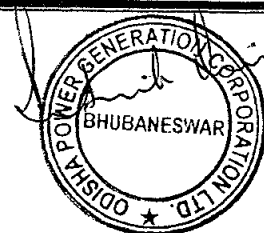
11. Since the power purchase by GRIDCO from Unit 1 & 2 of Ib Thermal Power Station has been continuing as per mutual agreement without approved PPA and the Commission has approved the same in the ARR of GRIDCO for the concerned year there is no need to reopen the same as per the above Regulation. The parties should therefore, settle the power purchase process for the period prior to implementation of the above Regulation taking into account the original PPA and its supplemental one as approved by us now."

Further, Hon'ble OERC in the said Order dated April 27, 2015 (Case No. 13/2002) directed OPGC to file an application for determination of Generation Tariff, as per approved Amended PPA, for rest of the control period starting from FY 2016-17 onwards since tariff for FY 2014-15 and FY 2015-16 has already been approved by Hon'ble OERC in GRIDCO's ARR. The relevant extract of the Order of the Hon'ble OERC is reproduced below:

"13. Due to the above provision in the Regulation read with Regulation 7.13 of the same Regulations, OPGC shall make an application before the Commission as per the above approved PPA each year for determination of tariff for the rest of the control period starting from FY 2016-17 onwards since the tariff for the FY 2014-15 and 2015-16 has already been approved by the Commission in the ARR of GRIDCO for the said year basing on the submission of GRIDCO."

In compliance with the above directions of the Hon'ble OERC, OPGC filed a Petition for

Petition for Re-determination of Tariff for FY 2017-18

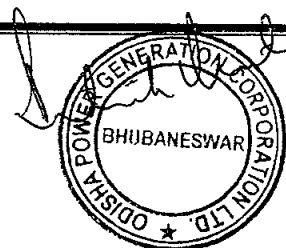


Page 3

Approval of Generation Tariff for FY 2016-17 under Section 62 and 86 of the Electricity Act, 2003 ("the Act"), approved Amended PPA and related provisions of the OERC (Terms and Conditions of Generation Tariff) Regulations, 2014 ("2014 Tariff Regulations") and OERC (Conduct of Business) Regulations, 2004, as amended from time to time. The Hon'ble OERC, vide its Order dated March 21, 2016 disposed of the above Petition (Case No. 53/2015) approving the Generation Tariff of Units 1 & 2 of IB Thermal Power Station for FY 2016-17, exclusively in accordance with the terms and conditions of the 2014 Tariff Regulations, and not the 2008 Notification or the Amended PPA.

OPGC filed an Appeal before the Hon'ble Appellate Tribunal (Appeal No. 126 of 2016) for Electricity ("APTEL") against the said Tariff Order for FY 2016-17 in Case No. 53/2015. During the pendency of the stated Appeal before the Hon'ble APTEL, OPGC filed the Petition for Approval of Generation Tariff for FY 2017-18 and the Hon'ble OERC disposed of the said Petition (Case No. 62/2016) vide its Order dated March 23, 2017 determining the Generation Tariff for FY 2017-18 in line with its approach adopted in the tariff determination for FY 2016-17. Hon'ble APTEL vide its Judgment dated April 6, 2017 in the stated Appeal upheld this Hon'ble Commission's Tariff Order for FY 2016-17.

Aggrieved by the Judgment of the Hon'ble APTEL, OPGC filed Civil Appeal No. 9485 of 2017 before the Hon'ble Supreme Court ("SC"). During the pendency of the stated Civil Appeal before the Hon'ble SC, OPGC filed the Petition for Approval of Generation Tariff for FY 2018-19 and the Hon'ble OERC disposed of the said Petition (Case No. 75/2017) vide its Order dated March 22, 2018 determining the Generation Tariff for FY 2018-19 in line with its approach adopted in the tariff determination for FY 2016-17. The Hon'ble SC vide its Judgment dated April 19, 2018 in the stated Appeal set aside the Tariff Order for FY 2016-17 and remanded the matter to the Hon'ble OERC for a fresh decision. In effect, the Hon'ble SC has held that primarily the tariff norms under the PPA are to be followed in determining OPGC's tariff. Further, to the extent there are tariff norms not covered by the PPA, the 2014 Tariff Regulations may be relied upon by the OERC to determine OPGC's tariff. It is submitted that the effect of the SC's Judgment is that this arrangement would apply for the



entire term of the subsistence of the PPA viz. till 30.06.2026. Any contrary interpretation would violate Regulation 4.4 of the 2014 Tariff Regulations. The relevant extract of the Judgment of the Hon'ble SC is reproduced below:

“6. We are of the view that the Commission vide Order dated 27.04.2015 on the joint application of the parties dated 26.02.2014 rightly fixed the tariff but the view taken in subsequent order dated 21.03.2016 which has been upheld on appeal is unsustainable.

7. Accordingly, we set aside the impugned order and remand the matter to the State Commission for fresh decision. The State Commission may take into account the Notification dated 21.06.2008 for the fixed costs, the PPA for the variable costs specified therein and for other costs not reflected in the PPA, statutory Regulations may be applied.

8. The appeal shall stand disposed of as indicated above.

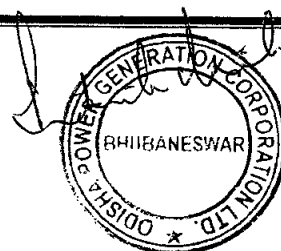
9. The parties may appear before the State Commission for further proceedings on 2.07.2018.”

Further, Hon'ble OERC vide its Order dated May 5, 2018 in Case No. 43 of 2017 ruled as under:

“4. Heard the parties at length. As the Hon'ble Supreme Court vide their order dated 19.04.2018 in Civil Appeal No. 9485/2017 has set aside the order dated 21.03.2016 passed by the Commission and remanded the matter for fresh decision, OPGC Ltd. is required to file fresh application for determination of Generation Tariff of its Unit-I & II within 15 days from date of this order. Basing on the said application of OPGC Ltd., a public notice shall be issued inviting suggestions /objections from the general public for re-determination of generation tariff for FY 2016-17 & FY 2017-18 which would be completed within one month fixing the date of hearing on 02.07.2018.”

OPGC requests the Hon'ble OERC to condone the delay in filing the Petition for tariff re-determination for FY 2017-18 and admit this Petition.

Petition for Re-determination of Tariff for FY 2017-18



In view of the foregoing, this instant Petition for re-determination of tariff for FY 2017-18 is being filed herewith.

Prayers to the Hon'ble OERC

OPGC respectfully prays that the Hon'ble OERC may:

- i. Condone the delay in filing the instant Petition for re-determination of tariff for FY 2017-18 for Units 1 & 2 of IB Thermal Power Station.
- ii. Admit the instant Petition for re-determination of tariff for FY 2017-18 for Units 1 & 2 of IB Thermal Power Station.
- iii. Approve the tariff, including annual fixed cost and variable charges, for FY 2017-18 as claimed in the Petition.
- iv. Approve the recovery of differential amount arising out of tariff re-determination for FY 2017-18 along with carrying cost as claimed in the Petition.
- v. Allow the recovery of income tax liability that would be arising on account of the recovery of differential amount pursuant to tariff re-determination for FY 2017-18.
- vi. Allow the recovery of additional capitalisation in accordance with the Judgment of the Hon'ble Supreme Court dated April 19, 2018 in CA No. 9485/2017, which shall be claimed in a separate Petition being filed shortly as per the Commission's Order dated March 22, 2018.
- vii. Condone any inadvertent omissions, errors, short comings and permit OPGC to add/change/ modify/ alter this filing and make further submissions as may be required at a future date; and
- viii. Pass such other and further Orders as deemed fit and proper in the facts and circumstances of the case.

Bhubaneswar

May 24, 2018

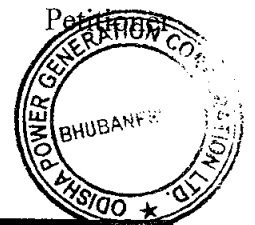
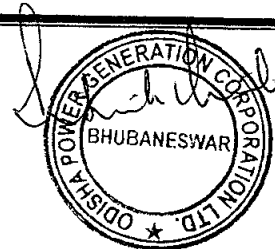


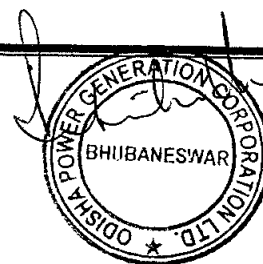
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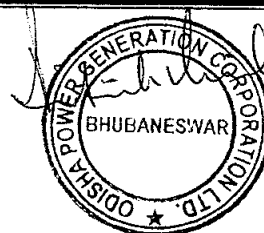
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1 Introduction

- 1.1 Odisha Power Generation Corporation Limited (herein after referred as “OPGC” or “the Petitioner”) is a company incorporated under the Companies Act, 1956 and having its registered office at Zone-A, 7th floor, Fortune Towers, Chandrasekharpur, Bhubaneswar, Odisha-751023.
- 1.2 GRIDCO Limited (“GRIDCO”) had entered into Bulk Power Supply Agreement (“PPA”) with OPGC dated August 13, 1996, for purchase of power from its Generating Units 1 & 2, having capacity of 420 MW (210 MW x 2) of IB Thermal Power Station. The said PPA came into force from January 1, 1995 and was approved by Government of Odisha (“GoO”) in exercise of its power under Section 43A of the Electricity (Supply) Act, 1948.
- 1.3 OPGC, GRIDCO and GoO signed a Tripartite Agreement dated October 18, 1998 (“Tripartite Agreement”) providing certain further amendments to existing PPA and other provisions including those concerning the establishment of Units 3 & 4 of IB Thermal Power Station by OPGC. Further, Escrow and Security Agreement dated November 30, 1998 was entered between OPGC, GRIDCO and Union Bank of India.
- 1.4 GRIDCO had approached the Hon’ble OERC for approval of the existing PPA in 2002. The jurisdiction of the Hon’ble OERC for approval of the existing PPA was challenged by OPGC before Hon’ble Orissa High Court, but was upheld by Hon’ble Orissa High Court. Further, aggrieved by this, OPGC filed a Special Leave Petition before Hon’ble Supreme Court (“SC”). The proceedings of the Hon’ble OERC were stayed pursuant to an interim Order of the Hon’ble SC dated April 29, 2005.
- 1.5 Subsequently, certain disputes arose between the parties on issues arising from the terms of the PPA, Tripartite Agreement and other agreements between the Parties. In order to resolve these disputes, the parties entered into discussion and GoO constituted a Task



Force vide Resolution No. 3895 dated May 7, 2007 for resolving disputes regarding tariff and other related matters. GoO based on the recommendations of Task Force, issued Notification No. 7216 dated June 21, 2008 (“2008 Notification”) for resolving all such disputes on terms and conditions contained therein in regard to Unit 1 & 2 and also in regard to setting up of Unit 3 & 4, as overall settlement of all such disputes. The relevant extract of GoO 2008 Notification is as follows:

“3. After careful consideration of the recommendations of the task force, Government have been pleased to decide as under;

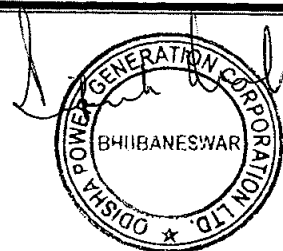
(a) In order to avoid any ambiguity with regard to tariff norms and parameters for Units 1 & 2, the provisions for calculation of incentive in the existing PPA shall stand amended to enhance the Plant Load Factor (PLF) from 68.49% to 80%. All other terms and parameters for determination of tariff for Units 1 & 2 shall be as per the existing PPA. Suitable amendments will be made in the PPA accordingly including deletion of all reference to change in tariff parameters in future. In other words, all tariff parameters will stand frozen till validity of amended PPA notwithstanding modification in tariff norms by CERC from time to time.

(b) The amended PPA shall be filed before the OERC for consent/approval.

(c) The amended PPA shall be effective with effect from 01.04.2007.”

1.6 Pursuant to above, OPGC and GRIDCO agreed to amend existing PPA and Tripartite agreement based on GoO’s 2008 Notification. Accordingly, an agreement was signed on September 6, 2012 as Supplemental to the Tripartite agreement executed on October 18, 1998 (together called as “Amended Tripartite Agreement”). The Amended Tripartite Agreement has been made effective from October 12, 2009.

1.7 Subsequently, OPGC and GRIDCO signed an amendment to existing PPA on December 19, 2012 by amending certain clauses (together called the “Amended PPA”), which was retrospectively brought to effect from April 1, 2007.



1.8 With the execution of this agreement, the Parties agreed that all pending differences have been settled and OPGC shall withdraw Special Leave Petition pending before Hon'ble SC. Further, Hon'ble SC vide its Order dated February 14, 2013 dismissed the Special Leave Petition as withdrawn by OPGC and in the said order Hon'ble SC directed OPGC to file the Amended PPA before Hon'ble OERC and the Hon'ble OERC shall consider the same appropriately in accordance with law.

1.9 Hon'ble OERC vide its Order dated April 27, 2015 approved the Amended PPA, being filed before Hon'ble OERC jointly by OPGC and GRIDCO, as under (with emphasis added by underlining):

"9. The above stipulation in PPA provides for settlement of issues if any arise due to implementation of this PPA in a future date the same shall be resolved basing on mutual discussion keeping intent and objects of the PPA intact. Therefore, the Commission has no objection to approve the PPA including its amendment between GRIDCO and OPGC for purchase of power from Unit 1 & 2 of Ib Thermal Power Station as it stands now.

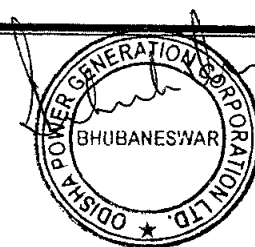
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11. Since the power purchase by GRIDCO from Unit 1 & 2 of Ib Thermal Power Station has been continuing as per mutual agreement without approved PPA and the Commission has approved the same in the ARR of GRIDCO for the concerned year there is no need to reopen the same as per the above Regulation. The parties should, therefore, settle the power purchase process for the period prior to implementation of the above Regulation taking into account the original PPA and its supplemental one as approved by us now."

1.10 Further, Hon'ble OERC in the said Order dated April 27, 2015 directed OPGC to file an application for determination of Generation Tariff, as per approved Amended PPA, for rest of the control period starting from FY 2016-17 onwards since tariff for FY 2014-15 and FY 2015-16 has already been approved by Hon'ble OERC in ARR of GRIDCO. The relevant extract of the OERC Order is reproduced below:

"12. The Regulation 2.7 of OERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2014 provides as follows:

Petition for Re-determination of Tariff for FY 2017-18

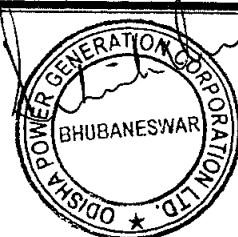


“The existing generation plants of OHPC and OPGC may make an application as per the Format prescribed by the Commission for determination of tariff as per annual schedule, by November 30th of every year for determination of tariff in respect of the units of the generating station completed or projected to be completed within six months from the date of application.

Provided that the OHPC and OPGC shall make an application as per the prescribed Format with necessary information and explanations, for determination of tariff based on capital expenditure incurred duly certified by the auditors or projected to be incurred up to the date of commercial operation and additional capital expenditure incurred duly certified by the auditors or projected to be incurred during the period for which application for determination of tariff is filed of the generating station:”

13. Due to the above provision in the Regulation read with Regulation 7.13 of the same Regulations, OPGC shall make an application before the Commission as per the above approved PPA each year for determination of tariff for the rest of the control period starting from FY 2016-17 onwards since the tariff for the FY 2014-15 and 2015-16 has already been approved by the Commission in the ARR of GRIDCO for the said year basing on the submission of GRIDCO.”

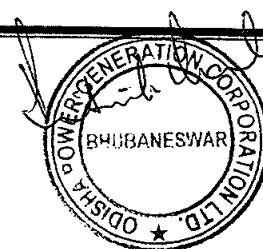
1.11 In compliance with the above directions of the Hon’ble OERC, OPGC filed a Petition for Approval of Generation Tariff for FY 2016-17 under Section 62 and 86 of the Act, approved Amended PPA and related provision of OERC (Terms and Conditions of Generation Tariff) Regulations, 2014 and OERC (Conduct of Business) Regulations, 2004, as amended from time to time. The Hon’ble OERC, vide its Order dated March 21, 2016 disposed of the above Petition (Case No. 53/2015) approving the Generation Tariff of Units 1 & 2 of IB Thermal Power Station for FY 2016-17 exclusively in accordance with the terms and conditions of the 2014 Tariff Regulations, and not the 2008 Notification or the Amended PPA. OPGC filed Appeal No. 126 of 2016 before the Hon’ble Appellate Tribunal for Electricity (“APTEL”) against the said Tariff Order for



FY 2016-17 in Case No. 53/2015. During the pendency of the stated Appeal before the Hon'ble APTEL, OPGC filed a Petition for Approval of Generation Tariff for FY 2017-18 and the Hon'ble OERC disposed of the said Petition (Case No. 62/2016) vide its Order dated March 23, 2017 determining the Generation Tariff for FY 2017-18 in line with its approach adopted in the tariff determination for FY 2016-17. Hon'ble APTEL vide its Judgment dated April 6, 2017 in the stated Appeal upheld this Hon'ble Commission's Tariff Order for FY 2016-17.

1.12 Aggrieved by the Judgment of the Hon'ble APTEL, OPGC filed Civil Appeal No. 9485 of 2017 before the Hon'ble SC. During the pendency of the stated Civil Appeal before the Hon'ble SC, OPGC filed the Petition for Approval of Generation Tariff for FY 2018-19 and the Hon'ble OERC disposed of the said Petition (Case No. 75/2017) vide its Order dated March 22, 2018 determining the Generation Tariff for FY 2018-19 in line with its approach adopted in the tariff determination for FY 2016-17. The Hon'ble SC vide its Judgment dated April 19, 2018 in the stated Appeal set aside the Tariff Order for FY 2016-17 and remanded the matter to the Hon'ble OERC for a fresh decision. In effect, the Hon'ble SC has held that primarily the tariff norms under the PPA are to be followed in determining OPGC's tariff. Further, to the extent there are tariff norms not covered by the PPA, the 2014 Tariff Regulations may be relied upon by the OERC to determine OPGC's tariff. It is submitted that the effect of the SC's Judgment is that this arrangement would apply for the entire term of the subsistence of the PPA viz. till 30.06.2026. Any contrary interpretation would violate Regulation 4.4 of the 2014 Tariff Regulations. This being the case, it is no longer permissible to rely on the generic tariff norms under the 2014 Tariff Regulations for the purpose of determining fixed costs and variable costs, which must now be determined in accordance with the tariff norms under the approved PPA.

1.13 The relevant extract of the Judgment of the Hon'ble SC is reproduced below with relevant portion underlined:



“6. We are of the view that the Commission vide Order dated 27.04.2015 on the joint application of the parties dated 26.02.2014 rightly fixed the tariff but the view taken in subsequent order dated 21.03.2016 which has been upheld on appeal is unsustainable.

7. Accordingly, we set aside the impugned order and remand the matter to the State Commission for fresh decision. The State Commission may take into account the Notification dated 21.06.2008 for the fixed costs, the PPA for the variable costs specified therein and for other costs not reflected in the PPA, statutory Regulations may be applied.

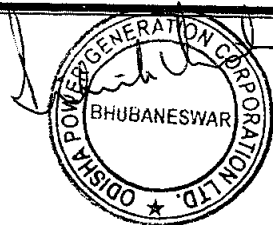
8. The appeal shall stand disposed of as indicated above.

9. The parties may appear before the State Commission for further proceedings on 2.07.2018.”

1.14 Further, Hon’ble OERC vide its Order dated May 5, 2018 in Case No. 43 of 2017 ruled as under:

“4. Heard the parties at length. As the Hon’ble Supreme Court vide their order dated 19.04.2018 in Civil Appeal No. 9485/2017 has set aside the order dated 21.03.2016 passed by the Commission and remanded the matter for fresh decision, OPGC Ltd. is required to file fresh application for determination of Generation Tariff of its Unit-I & II within 15 days from date of this order. Basing on the said application of OPGC Ltd., a public notice shall be issued inviting suggestions /objections from the general public for re-determination of generation tariff for FY 2016-17 & FY 2017-18 which would be completed within one month fixing the date of hearing on 02.07.2018.”

1.15 In view of the foregoing, this instant Petition for re-determination of tariff for FY 2017-18 is being filed herewith.



2 Overall Approach for Filing Petition

- 2.1 The instant Petition has been filed for re-determination of Generation Tariff for FY 2017-18 for IB Thermal Power Station of OPGC Ltd., having installed capacity of 420 MW (2 x 210 MW- Unit 1 & 2), located at Banharpalli in District Jharsuguda.
- 2.2 Hon'ble SC vide its Judgment dated April 19, 2018 in remanding the matter to Hon'ble OERC for fresh decision ruled as under:

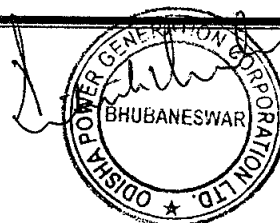
“6. We are of the view that the Commission vide Order dated 27.04.2015 on the joint application of the parties dated 26.02.2014 rightly fixed the tariff but the view taken in subsequent order dated 21.03.2016 which has been upheld on appeal is unsustainable.

7. Accordingly, we set aside the impugned order and remand the matter to the State Commission for fresh decision. The State Commission may take into account the Notification dated 21.06.2008 for the fixed costs, the PPA for the variable costs specified therein and for other costs not reflected in the PPA, statutory Regulations may be applied.

8. The appeal shall stand disposed of as indicated above.”

- 2.3 Accordingly, the instant Petition has been filed based on the following agreements entered between the parties:

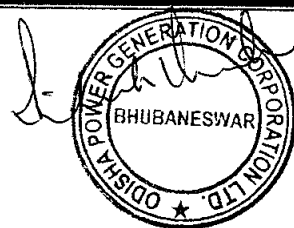
- (a) Bulk Power Supply Agreement between OPGC and GRIDCO, dated August 13, 1996 (“PPA”) and an agreement as Supplemental to Bulk Power Supply Agreement dated December 19, 2012 (“Amended PPA”). Both agreements were approved by the Hon'ble OERC vide its Order dated April 27, 2015.
- (b) Tripartite Agreement between OPGC, GRIDCO and Government of Odisha dated October 18, 1998 (“Tripartite Agreement”)
- (c) Govt. of Orissa (“GoO”) Notification No. 7216/E dated June 21, 2008.
- (d) Agreement as Supplemental to Tripartite Agreement dated September 6, 2012 (“Amended Tripartite Agreement”) which was approved by Hon'ble OERC vide its



Order dated April 27, 2015.

(e) Escrow and Securitization Arrangement dated November 30, 1998 entered between OPGC, GRIDCO and Union Bank of India, which was approved by Hon'ble OERC vide its Order dated April 27, 2015.

- 2.4 The Hon'ble OERC notified the Terms & Conditions for Determination of Generation Tariff Regulations, 2014 ("2014 Tariff Regulations") on September 8, 2014 in exercise of the powers conferred by Section 61 and Section 62 read with Section 181 of the Act. These Regulations are valid during the Period from FY 2014-15 to FY 2018-19.
- 2.5 The Hon'ble OERC vide its Tariff Order for FY 2017-18 dated March 23, 2017 approved the Generation Tariff for OPGC considering the provisions of the 2014 Tariff Regulations.
- 2.6 Hon'ble SC vide its Judgment dated April 19, 2018 in Civil Appeal No. 9485 of 2017 set aside the stated Order and remanded the matter for fresh decision. In effect, the Hon'ble SC has held that primarily the tariff norms under the PPA are to be followed in determining OPGC's tariff. Further, to the extent there are tariff norms not covered by the PPA, the 2014 Tariff Regulations may be relied upon by the OERC to determine OPGC's tariff. It is submitted that the effect of the SC's Judgment is that this arrangement would apply for the entire term of the subsistence of the PPA viz. till 30.06.2026. Any contrary interpretation would violate Regulation 4.4 of the 2014 Tariff Regulations. This being the case, it is no longer permissible to rely on the generic tariff norms under the 2014 Tariff Regulations for the purpose of determining fixed costs and variable costs, which must now be determined in accordance with the tariff norms under the approved PPA. This Hon'ble Commission in its Tariff Order for FY 2017-18 had considered the O&M Expenses and norms for Interest on Working Capital as per OERC Generation Tariff Regulations, 2014 and not as per PPA. Accordingly, the fixed cost for FY 2017-18 in this petition has been claimed in accordance with the provisions of the approved Amended PPA.

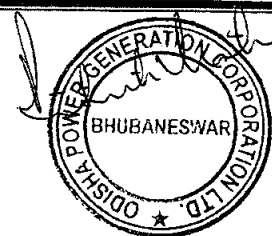


- 2.7 Further, Hon'ble SC ruled that the provisions of the PPA should be considered for variable costs. The Hon'ble Commission in its Tariff Order for FY 2017-18 had considered the performance parameters i.e., Station Heat Rate, Auxiliary Consumption and Secondary Fuel Oil Consumption as per the 2014 Tariff Regulations and not as per norms specified in the PPA. Accordingly, the variable cost for FY 2017-18 has been claimed considering the performance parameters as specified in the approved Amended PPA. Furthermore, Hon'ble SC ruled that for other costs not reflected in the PPA, statutory Regulations may be applied. Accordingly, the costs not explicitly covered in the PPA have been claimed in accordance with the provisions of the 2014 Tariff Regulations.
- 2.8 OPGC, in its Tariff Petition for FY 2018-19, claimed the additional capitalisation actually incurred/proposed to be incurred and the recovery thereof through tariff. In this regard, the Commission, in its Tariff Order for FY 2018-19 ruled as under:

“Additional Capitalization

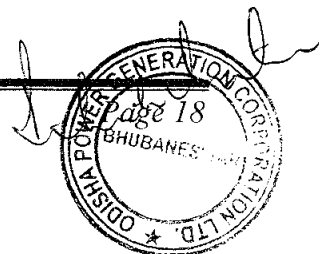
OPGC has submitted that, it has incurred additional capitalisation of Rs. 18.13 Crore and Rs.23.62 crore during FY 2015-16 and FY 2016-17 respectively. Out of which, it has claimed that Rs. 17.82 Crore and Rs.22.04 Crore respectively have been incurred during the same period towards efficient and successful operation of the generating station as per OERC Tariff Regulation 3.4(d) and should be considered for truing up of account for FY 2016-17. The rest of the amount has been spent for creation of minor assets which the Petitioner has not claimed. The Commission required evidential information from OPGC for prudence check and detail scrutiny. During public hearing, almost all the objectors requested the Commission to treat the expenditure on additional capitalization as expenditure on repair and maintenance. Therefore, this matter requires a separate hearing. OPGC may file a separate application in this regard.”

- 2.9 As per the directions of the Hon'ble OERC in the Tariff Order for FY 2018-19, OPGC is in process of preparing separate Petition for approval of additional capitalisation in



accordance with the OERC Generation Tariff Regulations, 2014, and the separate Petition for approval of additional capitalisation for FY 2015-16, FY 2016-17, FY 2017-18 and FY 2018-19 will be filed shortly. OPGC requests Hon'ble OERC to allow the recovery of additional capitalisation in accordance with the Judgment of the Hon'ble Supreme Court dated April 19, 2018 in CA No. 9485/2017.

- 2.10 Accordingly, in the instant Petition the additional capitalisation is not considered and the impact of the same shall be considered in the separate Petition to be filed for approval of additional capitalisation.



3 Re-Determination of Generation Tariff for FY 2017-18

Computation of Annual Fixed Cost

- 3.1 As per Clause 3.0 of Schedule II of the Amended PPA, the Annual Fixed Cost of OPGC shall consist of the following components:
- (a) Depreciation;
 - (b) Return on Equity;
 - (c) Interest on Loan;
 - (d) Operation and Maintenance Expenses;
 - (e) Interest on Working Capital.
- 3.2 The detailed computation of each of the above components of the Annual Fixed Cost is detailed in the subsequent paragraphs.

Capital Cost

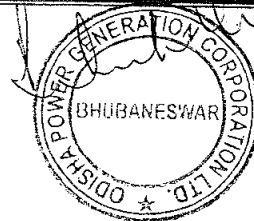
- 3.3 The Amended PPA signed between OPGC and GRIDCO has considered the Capital Cost of the Project as Rs. 1060 Crore. It is submitted that while approving the Amended PPA vide Order dated April 27, 2015, Hon'ble OERC has approved the capital cost of the project. In view of this, OPGC has considered the capital cost of Rs. 1060 Crore for the purpose of computation of tariff for FY 2017-18.

Additional capitalisation

- 3.4 As submitted in Para 2.6, OPGC craves leave for claiming the additional capitalisation in accordance with the OERC Generation Tariff Regulations, 2014, in a separate Petition to be filed in compliance to the directions of the Hon'ble OERC in its Order towards True Up Petition for FY 2016-17 and Tariff Order for FY 2018-19, dt: March 22, 2018.

Debt:Equity Ratio

- 3.5 OPGC submits that project cost of Rs. 1060 Crore as approved in Amended PPA included equity of Rs. 450 Crore and Loan of Rs. 610 Crore. It is submitted that while



approving the Amended PPA vide Order dated April 27, 2015, Hon'ble OERC has approved the equity of Rs. 450 Crore and loan of Rs. 610 Crore. Hence, OPGC has considered actual debt:equity ratio, as approved in Amended PPA, for the purpose of determination of tariff for FY 2017-18.

Depreciation

- 3.6 Hon'ble OERC, in its Tariff Order for FY 2017-18 had not approved any amount towards depreciation for FY 2017-18 as no depreciation was claimed by OPGCL.
- 3.7 OPGC submits that Clause 3.0 (a) of Schedule II of the Amended PPA provides that depreciation charges shall be equal to 7.5% of the Capital Cost during the year. Considering the depreciation charges computed as per the provisions of the Amended PPA, the assets of Generating Stations are fully depreciated by the financial year ending March 31, 2009.
- 3.8 In view of the above, OPGC does not submit any claim towards the depreciation for FY 2017-18. However, the depreciation for FY 2017-18 corresponding to additional capitalisation will be claimed at the time of filing separate petition for approval of additional capitalisation.

Return on Equity

- 3.9 Hon'ble OERC, in its Tariff Order for FY 2017-18 had approved the Return on Equity of Rs. 72 Crore for FY 2017-18.
- 3.10 OPGC has considered the actual amount of equity of Rs. 450 Crore for computation of Return on Equity. The Clause 8.0 (10) of Schedule II of PPA provides for Return on Equity at the rate of 16%. Accordingly, OPGC submits the Return on Equity for FY 2017-18 as under:

Table 3.1: Return on Equity for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Approved in the Tariff Order	Claimed for tariff re-determination
1.	Actual Equity for Station	450.00	450.00
2.	Rate of Return on Equity	16.00%	16.00%
3.	Return on Equity	72.00	72.00

3.11 OPGC humbly request the Hon'ble OERC to approve the Return on Equity of Rs. 72.00 Crore for FY 2017-18.

3.12 The Return on Equity for FY 2017-18 corresponding to additional capitalisation will be claimed at the time of filing separate petition for approval of additional capitalisation.

Interest on Loan Capital

3.13 Hon'ble OERC, in its Tariff Order for FY 2017-18 had not approved any amount towards interest on loan capital for FY 2017-18.

3.14 OPGC submits that Clause 8.0 (7) and (11) of Schedule II of the Amended PPA provides the loan amount of Rs. 610 Crore and interest on loan as per actuals. Considering the actual repayment made against the outstanding loan, OPGC submit that loan amount of Rs. 610 Crore has been fully repaid by financial year ending March 31, 2012. In view of the above, OPGC does not submit any claim towards the Interest on Loan Capital for FY 2017-18. However, the interest on loan capital for FY 2017-18 corresponding to additional capitalisation will be claimed at the time of filing separate petition for approval of additional capitalisation.

O&M Expenses

3.15 Hon'ble OERC, in its Tariff Order for FY 2017-18 had approved Rs. 123.27 Crore towards O&M expenses for FY 2017-18.

3.16 OPGC submits that Clause 3.0 (d) and (e) of Schedule II of the Amended PPA provides that O&M expenses for first year of operation at the rate of 2.5% of the capital cost



which shall be escalated by 8% each year from April 1, 1996.

3.17 Accordingly, OPGC submits the O&M Expenses for FY 2017-18 considering the escalation factor of 8% as per the methodology prescribed in Amended PPA as under:

Table 3.2: O&M Expenses for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars		Claimed for tariff re-determination
1.	Capital Cost of Project considered for O&M Expenses as per Amended PPA	a	1030.00
2.	O&M Expenses for first year @ 2.5% of Capital Cost	$b=a*2.5\%$	25.75
3.	Escalation rate	c	8.00%
4.	O&M Expenses	$d=b*((1+c)^{21})$	129.62

3.18 OPGC humbly request the Hon'ble OERC to approve O&M Expenses of Rs. 129.62 Crore for FY 2017-18.

Interest on Working Capital

3.19 Hon'ble OERC, in its Tariff Order for FY 2017-18 had approved Rs. 12.25 Crore towards interest on working capital for FY 2017-18.

3.20 The Clause 3.0 (f) of Schedule II of the Amended PPA provides the Interest on working Capital as under:

"f) Interest on Working Capital will be worked out on the following basis on normative level of generation calculated at the rate of interest applicable to OPGC for its Working capital facility as on the fixed charge computation date

- i) Coal cost for 1.5 months*
- ii) Oil cost for 2 months*
- iii) O&M expenses for 1 month*
- iv) Receivables for 2 months "*

- 3.21 As regards the rate of interest, the above said clause stipulates the interest rate applicable to OPGC for its Working Capital facility. It is submitted that OPGC has been meeting its working capital requirement through internal accruals.
- 3.22 As OPGC had not availed any actual working capital loan during FY 2017-18, the rate of interest for FY 2017-18 has been considered as 11.00% in accordance with Regulation 4.26 of the OERC Generation Tariff Regulations, 2014.
- 3.23 Hon'ble Supreme Court in its Judgment dated April 19, 2018 ruled that for the costs not reflected in the PPA, the statutory Regulations may be applied. Further, OPGC submits that Hon'ble APTEL in its Judgment dated May 28, 2009 in Appeal No. 111 of 2008 ruled as under:
- "7) The Commission observed that in actual fact no amount has been paid towards interest. Therefore, the entire interest on working capital granted as pass through in tariff has been treated as efficiency gain. It is true that internal funds also deserve interest in as much as the internal fund when employed as working capital loses the interest it could have earned by investment elsewhere. Further the licensee can never have any funds which has no cost. The internal accruals are not like some reserve which does not carry any cost....."*
- 3.24 In light of the above stated Judgments of Hon'ble Supreme Court and Hon'ble APTEL, OPGC requests the Hon'ble OERC to approve the interest on working capital considering the rate of interest in accordance with the OERC Generation Tariff Regulations, 2014.
- 3.25 Accordingly, OPGC submits the Interest on Working Capital for FY 2017-18 as under:



Table 3.3: Interest on Working Capital for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Claimed for tariff re-determination
1.	Cost of Coal for one and half months	42.47
2.	Cost of Secondary Fuel Oil for two months	5.04
3.	O&M Expenses for one month	10.80
4.	Receivables equivalent to two months	98.14
5.	Total Working Capital Requirement	156.45
6.	Interest Rate %	11.00%
7.	Interest on Working Capital	17.21

3.26 OPGC humbly request the Hon'ble OERC to approve the Interest on Working Capital of Rs. 17.21Crore for FY 2017-18.

Summary of Annual Fixed Cost

3.27 The Annual Fixed Cost proposed by OPGC for FY 2017-18 is summarised as under:

Table 3.2: Annual Fixed Cost for FY 2017-18(Rs. Crore)

Sr. No.	Particulars	As approved by the Hon'ble Commission in Tariff Order for FY 2017-18	Claimed for tariff re-determination
1.	Return on Equity	72.00	72.00
2.	Depreciation	0.00	0.00
3.	Interest on Loan Capital	0.00	0.00
4.	Interest on Working Capital	12.25	17.21
5.	O&M Expenses	123.27	129.62
6.	Total Annual Fixed Cost	207.52	218.82

3.28 OPGC humbly request the Hon'ble OERC to approve Re-Determined Annual Fixed Cost of Rs. 218.82 Crore for FY 2017-18.

Operational Performance Parameters

3.29 OPGC has considered the following Operational Performance parameters as under:

- (a) Plant Load Factor (PLF)
- (b) Gross Station Heat Rate
- (c) Secondary Fuel Oil Consumption
- (d) Auxiliary Energy Consumption

3.30 OPGC in Amended PPA signed with GRIDCO has agreed upon operational performance parameters. OPGC for computation of Energy charge for FY 2017-18 has considered the operational performance parameters as per Clause 8 of Schedule II of the approved Amended PPA.

Plant Load Factor (PLF)

3.31 Hon'ble OERC, in its Tariff Order for FY 2017-18 had approved PLF of 85% for FY 2017-18.

3.32 As per Clause 3.0 (g) of Schedule II of the Amended PPA, full fixed charges will be paid to OPGC subject to adjustment provided OPGC achieves Actual Net Availability (AAN) within normal operating range of 68.49%.

3.33 As per Clause 3.0 (g) of Schedule II of the Amended PPA, the PLF applicable for computation of incentive shall be 80%.

3.34 **Gross Station Heat Rate:** Hon'ble OERC, in its Tariff Order for FY 2017-18 had approved Gross Station Heat Rate of 2450 kCal/kWh for FY 2017-18. Gross Station Heat Rate of 2500 kCal/kWh has been considered as per the provisions of the approved Amended PPA as per Clause 8 of Schedule II of the approved Amended PPA.

3.35 **Specific Oil Consumption:** Hon'ble OERC, in its Tariff Order for FY 2017-18 had approved Specific Oil Consumption of 1 ml/kWh for FY 2017-18. Secondary Fuel Oil

Consumption of 3.5 ml/kWh has been considered as per Clause 8 of Schedule II of the approved Amended PPA.

3.36 **Auxiliary Consumption:** Hon'ble OERC, in its Tariff Order for FY 2017-18 had approved Auxiliary Consumption of 8.50% for FY 2017-18, which was subsequently revised to 9.0% in the Tariff Order for FY 2018-19. Auxiliary Consumption of 9.5% has been considered as per Clause 8 of Schedule II of the approved Amended PPA.

3.37 The Operational Performance parameters considered by OPGC are summarised as under:

Table 3.3: Operational Performance Parameters for FY 2017-18

Sr. No.	Particulars	Unit	As approved by the Hon'ble Commission in Tariff Order for FY 2017-18	Claimed for tariff re-determination
1.	Auxiliary Consumption	%	8.50%	9.50%
2.	Station Heat Rate	kcal/kWh	2450	2500
3.	Specific Oil Consumption	ml/ kWh	1.00	3.50

Fuel Prices and GCV

3.38 During FY 2017-18, the entire coal requirement for OPGC was met from coal supply under existing FSA with Mahanadi Coal Fields Limited ("MCL").

3.39 Clause 7.0 of Schedule II of the existing PPA provides the computation of Fuel Cost. For computation of the fuel cost, OPGC has relied on the provisions of the Amended PPA which provides that the Price and Gross Calorific Value of coal and oil shall be considered as delivered to the Power Station. As FY 2017-18 is already over, OPGC has considered the actual weighted average prices and GCV of Coal and Oil in FY 2017-18 as delivered to Power Station for re-determination of energy charges. The documentary evidences (including extracts of the Monthly Energy Bill) in support of the actual fuel prices and GCV in FY 2017-18 are enclosed at **Annexure 1** of the Petition.

3.40 Accordingly, GCV and Price of Coal and Oil considered for tariff computation is summarised below:

Table 3.4: Price and Gross Calorific Value of Coal and Oil

Sl. No.	Source of Coal	FY 2017-18
1	Price of Coal (Rs. /MT)	1482.19
2	Price of LDO (Rs./kL)	42521.55
3	Price of HFO	33380.33
4	Gross Calorific Value of Coal (kCal/kg)	2710
5	Gross Calorific value of LDO (kCal/ltr.)	10000
6	Gross Calorific value of HFO (kCal/ltr.)	10000

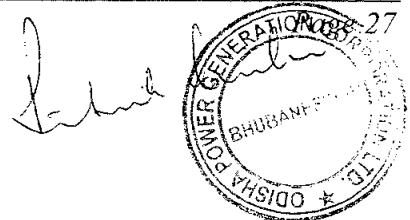
Energy Charge

3.41 OPGC has re-computed Energy Charge for FY 2017-18 as per Clause 7.0 of Schedule II of the Amended PPA. The computation of Energy Charge for FY 2017-18 is given in the Tables below:

Table 3.5: Energy Charges for 2017-18

Particulars	Unit	FY 2017-18
Auxiliary Consumption	%	9.50%
Gross Station Heat Rate	kCal/kWh	2500
GCV of Coal	kCal/kg	2710
GCV of Oil	kCal/kg	10000
Specific Coal Consumption	kg /kWh	0.91
Specific Oil Consumption-LDO	ml/kWh	0.35
Specific Oil Consumption-HFO	ml/kWh	3.15
Price of Coal	Rs. / MT	1482.19
Price of Secondary Oil-LDO	Rs. / kL	42621.55
Price of Secondary Oil-HFO	Rs. / kL	33380.33
Energy Charge Rate	Paisa/kWh	162.24

3.42 OPGC humbly request the Hon'ble OERC to approve Energy Charge Rate of 162.24 Paisa/kWh for FY 2017-18.



Reimbursement of other charges

3.43 Clause 10.0 of the approved Amended PPA stipulates as under:

"10.0 LEVIES, TAXES, DUTIES, CESS ETC. :

The above tariff is exclusive of any statutory taxes, levies, duties, cess or any other kind of imposition(s) whatsoever imposed/charged by any Government (Central/State) and/or any other local bodies/authorities on generation of electricity including auxiliary consumption or any other type of consumption, transmission, sale or on supply of power/energy and/or in respect of any of its installations associated with Generating Stations and/or on Transmission System, Environmental Protection, Water etc. However electricity duty payable on energy drawn by OPGC if any shall be payable by OPGC and reimbursed by GRIDCO."

3.44 Clause 11.0(vii) of the approved Amended PPA stipulates as under:

"vii) Supplementary bills will be raised for the following.

- a) Fuel price adjustment on half yearly basis*
- b) Incentive/disincentive at the end of year*
- c) Income Tax as per actual to be reimbursed as detailed in Para-6.0 of schedule – II*
- d) Any other charges/taxes etc."*

3.45 OPGC in the instant Petition has not claimed recovery of other charges such as electricity duty on auxiliary consumption, water cess and water charges, tax and cess on land, SoC & MoC Charges for SLDC, ERPC charges and Income Tax as the recovery of same was allowed by the Commission.

3.46 **Income Tax:** OPGC submits that as per the approved Amended PPA, the actual income tax reimbursable by GRIDCO in a particular year for sale of power is linked to actual payment or grossed up tax on Return on Equity whichever is lower. The amount of actual income tax paid in FY 2017-18 was lower than grossed up tax on Return on Equity. The

impact of tariff re-determination for FY 2017-18 would be recovered post FY 2017-18 and hence, although the tax liability for the subsequent year increases, it would be partly on account of the recovery of amounts pertaining to FY 2017-18. Therefore, OPGC requests the Hon'ble OERC to allow the recovery of income tax liability arising on account to of tariff re-determination for FY 2017-18 separately and not limit the reimbursement of income tax for the corresponding year to the grossed up tax on Return on Equity.

Summary of Re-Determined Generation Tariff for FY 2017-18

3.47 The summary of Re-Determined Generation Tariff proposed for FY 2017-18 is as under:

Table 3.6: Generation Tariff for 2017-18

Sr. No.	Particulars	Units	Approved in the Tariff Order	Claimed in tariff re-determination
1.	Annual Fixed Cost	Rs. Crore	207.52	218.82
2.	Energy Charge Rate	Paisa/kWh	123.74	162.24

3.48 OPGC humbly requests the Hon'ble OERC to approve the Generation Tariff for FY 2017-18 as claimed in this Petition and allow the recovery of differential amount arising out of the tariff re-determination.

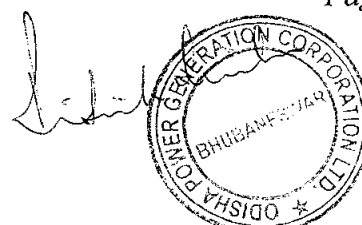
3.49 Hon'ble APTEL in its Judgment dated February 15, 2011 in Appeal No. 173 of 2009 laid down the principle of carrying cost as under:

"42. ... However, we would like to add that the Appellant is entitled to carrying cost on his claim of legitimate expenditure if the expenditure is:

(a) accepted but recovery is deferred e.g. interest on regulatory assets;

(b) claim not approved within a reasonable time; and

(c) disallowed by the State Commission but subsequently allowed by the superior authority."



3.50 In light of the above stated Judgment of the Hon'ble ATE, OPGC requests the Hon'ble OERC to allow the carrying cost on the differential amount claimed for recovery on account of tariff re-determination for FY 2017-18. As the recovery of amount due to OPGC in FY 2017-18 will now happen in FY 2018-19 subsequent to re-determination of tariff by Hon'ble Commission, OPGC has computed the carrying cost for 1 year at the Working Capital Interest Rate. The total impact of tariff re-determination for FY 2017-18 claimed by OPGC including carrying cost is as shown in the Table below:

Table 3.7: Impact of tariff re-determination for FY 2017-18

Particulars	Units	Value
AFC approved in the Tariff Order	Rs. Crore	207.52
AFC actually recovered	Rs. Crore	182.57
AFC claimed in tariff re-determination	Rs. Crore	218.83
Differential AFC to be recovered	Rs. Crore	36.26
Actual sale of energy	MU	2517.49
Rate of Energy Charge approved in the Tariff Order	Paisa/kWh	123.74
Total Energy Charge Rate billed	Paisa/kWh	151.45
Rate of Energy Charge claimed in tariff re-determination	Paisa/kWh	162.24
Differential Rate of Energy Charge to be recovered	Paisa/kWh	10.79
Differential Energy Charge to be recovered	Rs. Crore	27.16
Differential amount to be recovered on account of re-determination of AFC and Energy Charge	Rs. Crore	63.42
Carrying cost for 1 year @ rate of interest on working capital	Rs. Crore	6.98
Total differential amount to be recovered	Rs. Crore	70.40

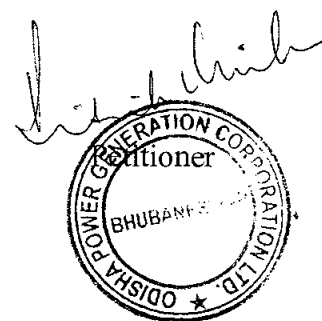
4 Prayers

OPGC respectfully prays that the Hon'ble OERC may:

- i) Condone the delay in filing the instant Petition for re-determination of tariff for FY 2017-18 for Units 1 & 2 of IB Thermal Power Station.
- ii) Admit the instant Petition for re-determination of tariff for FY 2017-18 for Units 1 & 2 of IB Thermal Power Station.
- iii) Approve the tariff, including annual fixed cost and variable charges, for FY 2017-18 as claimed in the Petition.
- iv) Approve the recovery of differential amount arising out of tariff re-determination for FY 2017-18 along with carrying cost as claimed in the Petition.
- v) Allow the recovery of income tax liability that would be arising on account of the recovery of differential amount pursuant to tariff re-determination for FY 2017-18.
- vi) Allow the recovery of additional capitalisation in accordance with the Judgment of the Hon'ble Supreme Court dated April 19, 2018 in CA No. 9485/2017, which shall be claimed in a separate Petition being filed shortly as per the Commission's Order dated March 22, 2018.
- vii) Condone any inadvertent omissions, errors, short comings and permit OPGC to add/change/ modify/ alter this filing and make further submissions as may be required at a future date; and
- viii) Pass such other and further Orders as deemed fit and proper in the facts and circumstances of the case.

Bhubaneswar

May 24, 2018



Checklist of Forms and other information/ documents for tariff filing for FY 2017-18

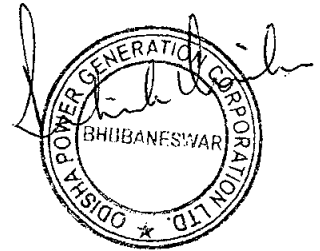
Name of Utility / Company: Odisha Power Generation Corporation Limited

Form No.	Title of Tariff Filing Form	Tick
Form 1.1	Summary of Tariff Proposal(Thermal)	✓
Form 1.2	Summary of Tariff Proposal(Hydro)	NA
Form 2.1	Plant Characteristics	NA
Form 2.2	Details of COD, Type of hydro station, Capacity Index, Primary energy rate	NA
Form 2.3	Salient Features of Hydroelectric Project	NA
Form 3.1	Planned & Forced Outages	NA
Form 4.1	Revenue from Sale of Power (Previous year actual)	NA
Form 5.1	Non Tariff Income	NA
Form 6.1	O&M Expenses	✓
Form 6.2	Fixed Assets and Depreciation	NA
Form 6.3	Calculation of Interest on Loans	NA
Form 6.4	Calculation of Interest on Working Capital Loan	✓
Form 7.1 (C)	Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA(Coal)	✓
Form 7.1 (O)	Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA(Oil)	✓
Form 7.2	Energy Charges for Thermal Generation	✓
Form 8.1	Break-up of Capital Cost for Coal based projects	NA
Form 8.2	Break up of Capital cost for hydro power generating station	NA
Form 8.3	Break up of Capital Cost for Plant & Equipment(Hydro)	NA
Form 8.4	Statement of Additional Capitalisation after COD	NA
Form 8.5	IDC Planned and actual	NA
Form 8.6	Details of Foreign loans / Equity	NA
Form 8.7	Deign energy and peaking capability (monthwise)- ROR with Pondage/Storage type new stations	NA
Form 8.8	Deign energy and MW Continuous (monthwise)- ROR type new stations	NA
Other Information/ Documents		
Sl. No.	Information/Document	Tick
1	Certificate of incorporation, Certificate for Commencment of Business, Memorandum of Association, & Articles of Association (For New Station setup by a company making tariff application for the first time to OERC)	NA
2	Stationwise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures on COD of the Station or the new station for the relevant years.	NA
3	Copies of relevant loan Agreements	NA
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package	NA
5	Copies of the Equity participation agreements and necessary approval for the foreign equity	NA
7	Copies of the BPSA/PPA with the beneficiaries, if any	NA
8	Detailed note giving reasons for time and cost over run, if applicable.	NA
9	Details of SBI Base rate taken for calculation	NA
10	Any other relevant information, in any to be specific	NA

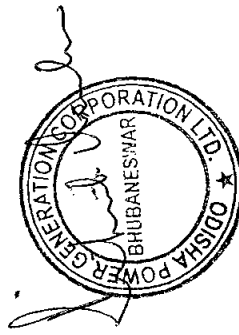
Note: Electronic copy in the form of CD/Floppy disc shall also be furnished.



Summary of Tariff Proposal (Generation Thermal)				
Name of the Utility / Company : Odisha Power Generation Corporation Limited				FORM 1.1
Name of the Thermal Power Station: IB Thermal Power Station				(Rs. In Crore)
S.No.	Particulars	Reference	FY 2017-18	
			Approved in the Tariff Order	Claimed for tariff re-determination
A	Fixed Charge			
1	O & M Expenses	Form 6.1	123.27	129.62
2	Depreciation	Form 6.2	0.00	0.00
3	Interest on Term Loans & Fin. Charges	Form 6.3	0.00	0.00
4	Interest on Working Capital Loans	Form 6.4	12.25	17.21
5	Recovery of ARR & Tariff Petition Fees		-	-
6	Return on Equity		72.00	72.00
7	Total Fixed Charge		207.52	218.83
8	Less: Non-Tariff Income	Form 5.1	0.00	0.00
9	Net Fixed Charge		207.52	218.83
B	Variable Cost	Form 7.2	354.08	369.99
C	Total Cost		561.60	588.82
D	Unit Sold to Discoms in MU	Form 7.2	2861.50	2517.49
E	Rate of Fixed Charge(Paisa/kwh)		72.52	86.92
F	Rate of Variable Charge(Paisa/kwh)	Form 7.2	123.74	162.24
G	Rate of Sale of Energy (Paisa./kwh)		196.26	249.17



Name of the Utility / Company : Odisha Power Generation Corporation Limited		O&M Expenses		FORM-6.1		
						(Rs. In Crore)
Name of the Thermal Power Station: IB Thermal Power Station		Particulars	Units	Reference	Approved in the Tariff Order	FY 2017-18 Claimed for tariff re- determination
1	O&M Expense norms for Unit (per MW)		Rs. Cr.	Norms for O&M	0.294	-
2	No of Units		No.		2	2
3	O&M expense in Rs. Cr		Rs. Cr.		123.27	129.62
4	Allocation of corporate O&M Expense %		%	Based on Installed Capacity	0.00	0.00
5	Allocation of corporate O&M Expense in Rs. Cr		Rs. Cr.		0.00	0.00
6	Total O&M expense		Rs. Cr.		123.27	129.62



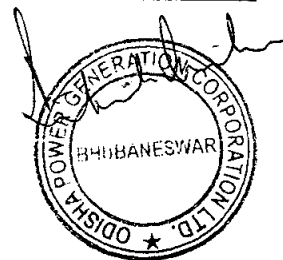
Calculation of Interest on Working Capital Loan

Name of the Utility / Company: Odisha Power Generation Corporation Limited

Name of the Thermal Power Station: IB Thermal Power Station

(Rs. In Crore)

Sl. No.	Particulars	FY 2017-18	
		Approved in the Tariff Order	Claimed for tariff re-determination
1	Coal Cost	28.78	42.47
2	Oil Cost	0.72	5.04
3	O & M expenses	10.27	10.80
4	Maintenance Spares	24.65	0.00
5	Recievables	46.92	98.14
6	Working capital Loan Requirement	111.35	156.45
7	Rate of Interest	11.00%	11.00%
8	Interest on Working Capital	12.25	17.21



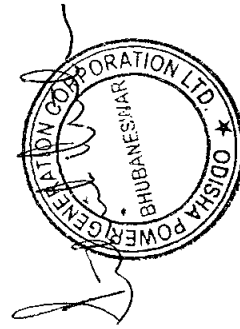
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : Odisha Power Generation Corporation Limited

Name of the Thermal Power Station: IB Thermal Power Station

S.No	Month	Unit	For the Month of Apr-17	For the Month of May 2017	For the Month of Jun-17	For the Month of Jul-17	For the Month of Aug-17	For the Month of Sep-17	For the Month of Oct-17	For the Month of Nov-17	For the Month of Dec-17	For the Month of Jan-18	For the Month of Feb-18	For the Month of Mar-18
1	Quantity of coal in stock at the beginning of the month	(MMT)	37,766.14	23,128.94	56,213.94	76,549.14	49,908.24	26,122.23	70,508.44	51,382.44	12,566.66	1,08,718.34	69,544.64	50,751.84
2	Quantity of Coal supplied by Coal Company	(MMT)	2,39,190	2,80,446	2,58,463	2,20,221	1,64,094	1,53,130	2,19,943	2,06,775	2,17,494	2,08,466	2,01,642	2,14,146
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of materials etc.	(MMT)	2,39,190	2,80,446	2,58,463	2,20,221	1,64,094	1,53,130	2,19,943	2,06,775	2,17,494	2,08,466	2,01,642	2,14,146
4	Coal supplied by Coal Company (2+3)	(MMT)	2,39,190	2,80,446	2,58,463	2,20,221	1,64,094	1,53,130	2,19,943	2,06,775	2,17,494	2,08,466	2,01,642	2,14,146
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	2,39,190	2,80,446	2,58,463	2,20,221	1,64,094	1,53,130	2,19,943	2,06,775	2,17,494	2,08,466	2,01,642	2,14,146
6	Net coal Supplied (4-5)	(MMT)	2,76,956	3,02,575	3,14,677	2,97,070	2,04,102	1,79,282	2,89,551	2,60,157	3,43,160	3,17,185	2,71,187	2,64,998
7	Total Coal (Receipts & Dipping Stock) (1)+(6)	(MMT)	2,53,827	2,47,361	2,38,128	2,57,062	1,77,959	1,08,774	2,36,169	2,34,442	2,47,640	2,47,640	2,20,435	2,26,440
8	Coal burnt/Consumed	(MMT)	23,129	56,214	76,549	40,008	36,132	70,508	53,382	1,23,666	1,08,718	69,545	50,752	38,438
9	Coal in stock at the end of the month	(Rs.)	7,07,14,429	3,48,14,176	8,15,82,604	11,08,15,258	5,50,60,043	3,54,69,959	9,58,42,848	7,25,84,126	17,08,80,982	15,15,27,204	10,32,95,572	7,90,36,888
10	Value of coal in stock (Landed cost of)	(Rs.)	34,61,65,581	46,57,60,426	37,39,85,216	29,80,18,630	22,17,61,296	20,82,30,507	29,78,60,367	28,11,77,749	29,57,54,461	31,52,70,351	31,13,62,366	33,06,69,435
11	Amount charged by the Coal Company	(Rs.)	34,61,65,581	46,57,60,426	37,39,85,216	29,80,18,630	22,17,61,296	20,82,30,507	29,78,60,367	28,11,77,749	29,57,54,461	31,52,70,351	31,13,62,366	33,06,69,435
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	34,61,65,581	46,57,60,426	37,39,85,216	29,80,18,630	22,17,61,296	20,82,30,507	29,78,60,367	28,11,77,749	29,57,54,461	31,52,70,351	31,13,62,366	33,06,69,435
13	Total amount Charged (11+12)	(Rs.)	34,61,65,581	46,57,60,426	37,39,85,216	29,80,18,630	22,17,61,296	20,82,30,507	29,78,60,367	28,11,77,749	29,57,54,461	31,52,70,351	31,13,62,366	33,06,69,435
14	Transportation charges by rail/ship/road transport	(Rs.)	-	-	-	-	-	-	-	-	-	-	-	-
15	Adjustment (+/-) in amount charged made by Railways/Transport Company inc. debit/credit note	(Rs.)	-	-	-	-	-	-	-	-	-	-	-	-
16	Demurrage Charges, if any	(Rs.)	-	-	-	-	-	-	-	-	-	-	-	-
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	-	-	-	-	-	-	-	-	-	-	-	-
18	Total Transportation Charges (14+15+16+17)	(Rs.)	-	-	-	-	-	-	-	-	-	-	-	-
18(A)	Others/Stone picking charges, Loco drivers salary, Sampling Charges etc.	(Rs.)	34,61,65,581	46,57,60,426	37,39,85,216	29,80,18,630	22,17,61,296	20,82,30,507	29,78,60,367	28,11,77,749	29,57,54,461	31,52,70,351	31,13,62,366	33,06,69,435
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	34,61,65,581	46,57,60,426	37,39,85,216	29,80,18,630	22,17,61,296	20,82,30,507	29,78,60,367	28,11,77,749	29,57,54,461	31,52,70,351	31,13,62,366	33,06,69,435
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs./MMT)	1,505.22	1,451.29	1,447.64	1,376.22	1,356.29	1,359.31	1,359.70	1,359.80	1,399.76	1,485.31	1,557.32	2,020.17
21	Cost of coal in stock at the end of the month (20)(9)	(Rs.)	3,48,14,176	8,15,82,604	11,08,15,258	5,50,60,043	3,54,69,959	9,58,42,848	7,25,84,126	17,08,80,982	15,15,27,204	10,32,95,572	7,90,36,888	77,69,0628
23	Weighted average GCV of coal	(Cal/Kg)	3,440	2,612	2,993	2,616	2,482	2,744	2,446	2,982	2,752	2,503	3,001	3,105



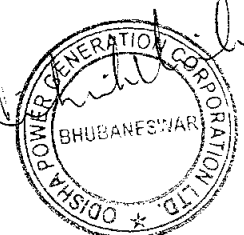
Energy Charges for Thermal Generation

Name of the Utility / Company : Odisha Power Generation Corporation Limited

FORM-7.2

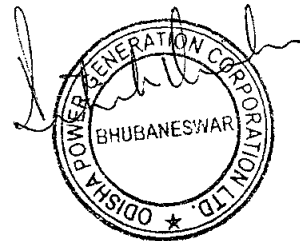
Name of the Thermal Power Station: IB Thermal Power Station

Particulars	Units	Reference	FY 2017-18	
			Approved in the Tariff Order	Claimed for tariff re-determination
Operational Parameter				
Number of Units				
Upto 250 MW			2	2
More than 250 MW			-	-
Total Capacity	MW		420	420
Availability	%		85%	68.49%
PLF	%		85%	68.49%
Gross Generation	MU		3127.32	2519.88
Auxiliary Energy Consumption	%		8.50%	9.50%
Auxiliary Energy Consumption	MU		265.82	239.39
Net Generation	MU		2861.50	2280.50
Heat Rate	kcal/kwh		2450	2500
Fly Ash Utilization	%		-	-
Other By product utilization (with List)	%		-	-
Fuel Parameters				
Calorific Value for Different Fuels				
Fuel 5 (Indigenous Coal)	kcal/Kg	From 7.1 (C)	3400	2710
Fuel 4 (Imported Coal)	kcal/Kg	From 7.1 (C)		
Fuel 1 (HFO)	kcal/Ltr.	From 7.1 (O)		10000
Fuel 2(HSD)	kcal/Ltr.	From 7.1 (O)		
Fuel 3 (LDO)	kcal/Ltr.	From 7.1 (O)	10000	10000
Landed Fuel Price for different fuels				
Fuel 5 (Indigenous Coal)	Rs/MT	From 7.1 (C)	1539.00	1482.19
Fuel 4 (Imported Coal)	Rs/MT	From 7.1 (C)		
Fuel 1 (HFO)	Rs/KL	From 7.1 (O)		33380.33
Fuel 2(HSD)	Rs/KL	From 7.1 (O)	27730.00	
Fuel 3 (LDO)	Rs/KL	From 7.1 (O)		42621.55
Specific Fuel Consumption				
Fuel 5 (Indigenous Coal)	Kg/kWh		0.72	0.91
Fuel 4 (Imported Coal)	Kg/kWh			
Fuel 1 (HFO)	ml/kWh			3.15
Fuel 2(HSD)	ml/kWh		1.00	
Fuel 3 (LDO)	ml/kWh			0.35
Total Fuel Consumption				
Fuel 5 (Indigenous Coal)	MT		2244312.00	2292120.36
Fuel 4 (Imported Coal)	MT			
Fuel 1 (HFO)	KL			7937.63
Fuel 2(HSD)	KL		3127.32	
Fuel 3 (LDO)	KL			881.96
Heat Content (each fuel separately)				
Fuel 5 (Indigenous Coal)	Million kcal		7630660.80	6211514.26
Fuel 4 (Imported Coal)	Million kcal			
Fuel 1 (HFO)	Million kcal			79376.35
Fuel 2(HSD)	Million kcal		31273.20	
Fuel 3 (LDO)	Million kcal			8819.59
Total Fuel Cost				
Fuel 5 (Indigenous Coal)	Rs Crore		345.40	339.74
Fuel 4 (Imported Coal)	Rs Crore			
Fuel 1 (HFO)	Rs Crore			26.50
Fuel 2(HSD)	Rs Crore		8.67	
Fuel 3 (LDO)	Rs Crore			3.76
Total fuel Cost			354.08	369.99
Other Charges and Adjustments				
Other Charges FOR WATER CESS & WATER CONSUMPTION	Rs Crore	As per actual	0.00	0.00
Other Adjustments	Rs Crore		0.00	0.00
Total Cost	Rs Crore		354.08	369.99
Cost of Generation per unit (Coal +oil+water)	Paisa/kWh		113.22	146.83
Energy Charges per unit	Paisa/kWh		123.74	162.24



**Differential amount to be recovered on account of tariff re-determination for
FY 2017-18**

Particulars	Units	Value
AFC approved in the Tariff Order	Rs. Crore	207.52
AFC actually recovered	Rs. Crore	182.57
AFC claimed in tariff re-determination	Rs. Crore	218.83
Differential AFC to be recovered	Rs. Crore	36.26
Actual sale of energy	MU	2517.49
Rate of Energy Charge approved in the Tariff Order	Paisa/kWh	123.74
Total Energy Charge Rate billed	Paisa/kWh	151.45
Rate of Energy Charge claimed in tariff re-determination	Paisa/kWh	162.24
Differential Rate of Energy Charge to be recovered	Paisa/kWh	10.79
Differential Energy Charge to be recovered	Rs. Crore	27.16
Differential amount to be recovered on account of re-determination of AFC and Energy Charge	Rs. Crore	63.42
Carrying cost for 1 year @ rate of interest on working capital	Rs. Crore	6.98
Total differential amount to be recovered	Rs. Crore	70.40



Annexure – 1

इंडियन ऑयल कॉर्पोरेशन लिमिटेड

सम्बलपुर मंडल कार्यालय

काइंसीर रोड, अइंठापालि, सम्बलपुर - 768 004 (उडिसा)

दुरभाष : 0663 - 2540659

Indian Oil Corporation Limited

Sambalpur Divisional Office

Kainsir Road, Ainthapali, Sambalpur - 768 004 (Odisha)

Tel : 0663 - 2540659

Websit : <http://www.iocl.com>



The ExMI Price of FO from Vizag Terminal for the period 1.04.2017 to 31.03.2018 is as below:

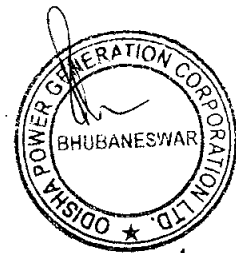
FO in KL Ex Vizag

	Transaction value	Excise Duty@14%	Freight	Subtotal	CST @ 2%	Landed Price
01.04.2017	23940.0	3351.6	2928.2	30219.8	604.4	30824.2
16.04.2017	24850.0	3479.0	2928.2	31257.2	625.1	31882.3
01.05.2017	24990.0	3498.6	2928.2	31416.8	628.3	32045.1
16.05.2017	24280.0	3399.2	2928.2	30607.4	612.1	31219.5
01.06.2017	25380.0	3553.2	2928.2	31861.4	637.2	32498.6
16.06.2017	24510.0	3431.4	2928.2	30869.6	617.4	31487.0

	Transaction value	Freight	Subtotal	Gst @ 18%	Landed Price
01.07.2017	23179.0	2928.2	26107.2	4699.3	30806.4
16.07.2017	22520.0	2928.2	25448.2	4580.7	30028.8
01.08.2017	22650.0	2928.2	25578.2	4604.1	30182.2
16.08.2017	23150.0	2928.2	26078.2	4694.1	30772.2
01.09.2017	22880.0	2928.2	25808.2	4645.5	30453.6
16.09.2017	23700.0	2928.2	26628.2	4793.1	31421.2
01.10.2017	25150.0	2928.2	28078.2	5054.1	33132.2
16.10.2017	25150.0	2928.2	28078.2	5054.1	33132.2
01.11.2017	25460.0	2928.2	28388.2	5109.9	33498.0
16.11.2017	27310.0	2928.2	30238.2	5442.9	35681.0
01.12.2017	27310.0	2928.2	30238.2	5442.9	35681.0
16.12.2017	26960.0	2928.2	29888.2	5379.9	35268.0
01.01.2018	27270.0	2940.8	30210.8	5437.9	35648.8
16.01.2018	27810.0	2940.8	30750.8	5535.1	36286.0
02.02.2018	28820.0	2940.8	31760.8	5716.9	37477.8
16.02.2018	28590.0	2940.8	31530.8	5675.5	37206.4
01.03.2018	28520.0	2940.8	31460.8	5662.9	37123.8
16.03.2018	28730.0	2940.8	31670.8	5700.7	37371.6

Pransy Kumar
29/07/18

प्रानस्य कुमार/Pransy Kumar
सिस्टम ऑफिसर (ऑपरेशन) इंडियन ऑयल कॉर्पोरेशन लिमिटेड
S/O System Officer (Operation) Indian Oil Corporation Limited
काइंसीर रोड, अइंठापालि, सम्बलपुर - 768 004 (उडिसा)
Kainsir Road, Ainthapali, Sambalpur - 768 004 (Odisha)
Indian Oil Corporation Limited



PROVISIONAL INVOICE FOR THE MONTH OF APRIL 2017

FAN: AAACO4759R
 CST No.: 21771700082(C)
 VAT TIN No.: 21771700082(C)
 Invoice No.: 1/2017-18

May 3, 2017

Name of Customer: M/s GRIDCO Ltd.
 Address: Janpath, Bhubaneswar-751022
 Fax: 9474-2543452
 Sub: Energy Bill towards power supply by OPGC (112) to GRIDCO for the Month of April-2017.

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		May 3, 2017
2.0	due date of payment		June 2, 2017
3.0	2 % Rebate, if payment made by date		May 5, 2017
4.0	1% Rebate, if payment made by date		June 2, 2017
5.0	late Charge Interest if Payment made after Date		June 2, 2017

DETAILS OF ENERGY SUPPLY DURING THE MONTH

Sl No.	Particulars	Annexure-I	Annexure-II	Annexure-III	Annexure-IV	Annexure-V
1.0	Actual Energy Supplied (as per Joint Meter Reading Report):	KWh				2252,00,800
2.0	Import 220 KV	KWh				-
3.0	Deemed Generation (Energy) Supplied	KWh				-
4.0	Scheduled Energy=(Export-Import)	KWh				2252,00,800
5.0	Declared Capacity for the Month=(Export+Deemed Generation)/(24*1000)	MW				9393.37

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month

A. Capacity Charge Computation		TD Para- 138	
1.0	Annual Fixed Cost (Rupees)	AFC	20752,00,000
2.0	No of days in the year	NDY	365
3.0	Normalive auxiliary energy consumption(%)	AUX	8.5
4.0	Average Declared Capacity (in ex-bus MW)	Σ DCI	9383
5.0	Installed Capacity of the generating station for GRIDCO (MW)	IC	420
6.0	No of days during the period	N	30
7.0	Normalive Annual Plant Availability Factor (%)	NAPAF	85
8.0	Plant Availability Factor achieved upto the end of the month (%)	PAF1	61.39
9.0	Monthly Capacity Charge (Rupees)		1655,87,284
CCI= (AFC/12)/(PAF1/NAPAF) Subject to ≤ AFC/12			

B. Energy Charge Computation		TD Para- 138	
1.0	Energy Charge Rate as approved by OERC	Rs/kWh	1.237
2.0	Monthly Energy Charge (Rupees)	Rs	2785,73,378
Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)			

~~47,41,68,878~~

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)		TD Para- 138 & Regulations: 4.3	
1.0	Gross Station Heat Rate (Kcal/KWh)	GHR	2450
2.0	Specific fuel oil consumption (ml/kWh)	SFC	1.0
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	LPSF	0.941
4.0	Calorific value of secondary fuel (kCal/ml)	CVSF	10
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	LPPF	1.511
6.0	Wtd. Avg. Gross calorific value of primary fuel as fixed (kCal/Kg)	CVPF	2440.0
7.0	Normalive Limestone consumption (Kg/KWh)	LC	0
8.0	Wtd avg. landed price of limestone (Rupees/kg)	LPL	0
9.0	Normalive auxiliary energy consumption (%)	AUX	8.5
10.0	Energy Charge Rate (Rs/KWh)	Reg. 4.33	1.495
ECR= ((GHR - SFC x CVSF) x LPPF/CVPF + SFC x LPSF + LC x LPL) x 100/(100 - AUX)			
11.0	Fuel Price Adjustment (Rs/kWh)		8.4580
12.0	Monthly FPA Charge (Rupees)		1831,41,766
Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)			

D. Incentive	Regulations: 5.3	Rs
		-

E. Monthly Energy Bill Amount (A+B+C+D)	Rs
	5473,82,542

F. Reimbursements		T.O. Para. 134	
1.0	Electricity Duty	Annex-A	Rs 72,33,723
2.0	Water Cess and Water Charges	Annex- B	Rs 54,64,916
3.0	Tax and Cess on Land	Annex- C	Rs -
4.0	SOC and MOC for SIDC	Annex-D	Rs 2,84,195
5.0	ERPC Charges	Annex-E	Rs 14,00,888
6.0	Income Tax	Annex-F	Rs -
7.0	ARR & Tariff Petition Fees	Annex-G	Rs 21,00,000
8.0	Others, if any (Water/Air consent chg at Rs 8 Lac related to 17-18, claimed earlier in Dec 2016, returned by GRIDCO, now claimed in 2017-18)	Annex-H	Rs 8,00,000
9.0	Total Reimbursement Charges		Rs 174,84,836

~~46,46,45,512~~

G. Delay Payment Surcharge for the Month of April-17	Rs
	98,15,242

H. Total (E+F+G)	Rs
	5746,02,74e

56,47,87,738

I. Outstanding Statement			
1.0	Amount Outstanding till issue of Previous Month Energy Bill	Rs	8588,39,988
2.0	Amount Billed for the Previous Month	Rs	5307,74,994
3.0	Supplementary Bill issued after issuance of the Previous Month Bill	Rs	-
4.0	Less: Receipts/credit note issued after issue of previous Bill	Rs	-
o Payment Received on		Rs	5211,98,458
+ b Rebate Allowed for the Month of March-2017		Rs	95,78,538
5.0	Amount Outstanding till issue of Current Month Energy Bill (1.8+2.0+3.0-4a-4b)	Rs	8580,39,988

J. Amount of the bill (H+I)	Rs
	14326,42,728

~~45,06,99,459~~

K. Rebate Allowed, if paid by			
1.0	Rebate Allowed, if paid by	May 5, 2017	109,44,053
2.0	Rebate Allowed, if paid by	June 2, 2017	54,70,026

E&OE

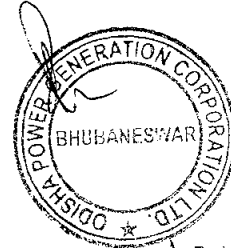
NOTE:

- This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- This invoice is without prejudice to the rights of OPGC under Law.

For OPGC Ltd.

Authorised Signatory

[Handwritten Signature]
 3/5/17



ODISHA POWER GENERATION CORPORATION LIMITED

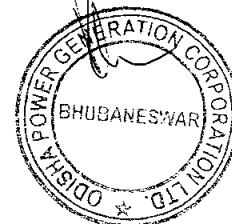
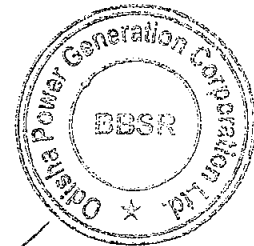
Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

For the Month of Apr-17

S.No	Month	Unit	Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	37,766.14	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,39,190	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	2,39,190	
5	Normative Transit & Handling Losses (For coal based Projects) *	(MMT)	478	
6	Net coal Supplied (4-5)	(MMT)	2,38,711	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	2,76,478	
8	Coal burnt/consumed	(MMT)	2,53,827	
9	Coal in stock at the end of the month	(MMT)	22,651	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	707,14,429	
11	Amount charged by the Coal Company	(Rs.)	3461,65,581	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
13	Total amount Charged (11+12)	(Rs.)	3461,65,581	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	7,46,848	
18	Total Transportation Charges (14+/-15+16+17) *	(Rs.)	7,46,848	
18(A)	Others (Stone picking charges, Loco drivers salary, Sampling Charges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	3469,12,429	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,510.53	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	342,14,286	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2,440	



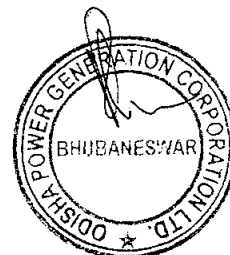
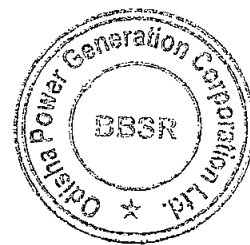
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ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.
Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Unit	For the Month of Apr-17		
			FO	HSD	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the beginning of the month	KL			522.043
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL			-
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL			-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL			-
5	Normative/Transit Loss	KL			-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL			-
7	Total oil receipt & in stock (1+6)	KL			522.043
8	Total Oil Consumed	KL			6.43
9	Oil in stock at the end of month	KL			515.61
10	Value of oil in stock (Landed cost of 1)	Rs			211,85,783
11	Amount charged by company	Rs			-
12	Adjustment (+/-) in Amount charged by Company	Rs			-
13	Total amount charged(11+12)	Rs			-
14	Transportation charges	Rs			-
15	Adjustment (+/-) in Transportation charges	Rs			-
16	Demmorage charges if any	Rs			-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs			-
18	Total Transportation charges(14+15+/-16+17)	Rs			-
19	Total amount charged for oil including Transportation(13+18)	Rs			-
20	Avarage cost of oil(in stock+receipt)	Rs/KL			40582.45
21	Cost of Oil in stock at the end of month	Rs			209,24,838
22	Weighted AVG Rate of oil fired	Rs/KL			40582.45
23	Weighted AVG GCV of oil fired	(Kcal/ltr)			10,000



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Invoice No : 2/2017-18

PROVISIONAL INVOICE FOR THE MONTH OF MAY 2017

Name of Customer: M/s GRIDCO Ltd.
Address: Janpath, Bhubaneswar-751022
Fax: 0674-2543452

6-Jun-17

Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of May-2017.

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		
2.0	Due date of payment		6-Jun-17
3.0	2 % Rebate, if payment made by date		6-Jul-17
4.0	1% Rebate, if payment made by date		8-Jun-17
5.0	Late Charge Interest if Payment made after Date		6-Jul-17

DETAILS OF ENERGY SUPPLY DURING THE MONTH			
1.D	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh
2.D	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW
			2360,11,303
			317.22

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month			
A. Capacity Charge			
1.0	Plant Availability for the Month (As certified by SLDC)		
2.0	Cumulative Availability up to current Month	Annexure-I	82.545%
3.0	Capacity Charge as per the Tariff Order for the FY 20017-18		82.055%
4.0	Cumulative Capacity Charge up to current Month	Rs	20752,00,000
5.0	Cumulative Capacity Charge up to previous Month	Rs	3358,76,227
6.0	Capacity Charge for the Month	Rs	1659,13,803
7.0	Differential Capacity Charge for Apr 2017	Rs	1699,62,424
	As per SLDC Energy Accounting Statement (Lr 1735 dated 12.5.2017, Annx. II) Rs		3,26,517
	Bill Raised by OPGC for Apr 2017 (Rs)	1659,13,803	
8.0	Total Capacity Charge	1659,87,286	
B. Energy Charge Computation			
1.0	Energy Charge Rate as approved by OERC	(6+7)	Rs
2.0	Monthly Energy Charge (Rupees)	Rs/kWh	1.237
	Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh	Rs	2919,45,982
3.0	Differential Energy Charge for Apr 2017	Rs	5,49,410
	As per SLDC Energy Accounting Statement (Lr 1735 dated 12.5.2017, Annx. II) kWhr		2256,44,947
	Bill Raised by OPGC for Apr 2017	2252,00,800	
C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)			
1.0	Gross Station Heat Rate (Kcal/KWh)	TO Para- 138 & Regulations: 6.3	
2.0	Specific fuel oil consumption (ml/kWh)	GHR	2,450
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	SFC	1,000
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-III	LPSFI
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-III	CVSF
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-IV	LPPF
7.0	Normative Limestone consumption (Kg/kWh)	Annexure-IV	CVPF
8.0	Wtd avg. landed price of limestone (Rupees/kg)	LC	-
9.0	Normative auxiliary energy consumption (%)	LPL	-
10.0	Energy Charge Rate (Rs/kWh)	AUX	8.50
	ECR= ((GHR - SFC x CVSF) x LPPF/CVPF + SFC X LPSFI + LC X LPL) x 100/(100 - AUX)	Reg. 4.33	ECR
11.0	Fuel Price Adjustment (Rs/kWh)		1,534
12.0	Monthly FPA Charge (Rupees)	Rs/kWh	0.2970
	Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh	Rs	700,95,357
13.0	Differential FPA for Apr 2017	Rs	2,03,419
	As per SLDC Energy Accounting Statement (Lr 1735 dated 12.5.2017, Annx. II) kWhr	0.458	
	Bill Raised by OPGC for Apr 2017 (kWhr)	2256,44,947	
		2252,00,800	
D. Incentive			
		Regulations: 6.3	Rs

E. Monthly Energy Bill Amount (A+B 2+ B 3+C12 + C13+D)		Rs	5330,83,110
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F. Reimbursements			
1.0	Electricity Duty	T.O- Para. 134	
2.0	Water Cess and Water Charges	Annex- V	Rs
3.0	Tax and Cess on Land	Annex- VI	Rs
4.0	SOC and MOC for SLDC	Not in use	Rs
5.0	ERPC Charges	Annex- VII	Rs
6.0	Income Tax	Not in use	Rs
7.0	ARR & Tariff Petition Fees	Not in use	Rs
8.0	Others, if any	Not in use *	Rs
9.0	Total Reimbursement Charges	Not in use	Rs
			Rs
			123,20,287

G	Delay Payment Surcharge for the Month of May-17	Annex-VIII	Rs
			Rs
			85,65,263

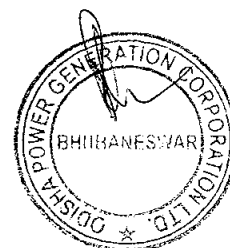
H	Total (E+F+G)		Rs
	(Rupees Fifty Five Crores Thirty Nine Lakhs Sixty Eight Thousand Six Hundred Fifty Eight Only)		Rs
			5539,63,658

NOTE:

- This Invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- This Invoice is without prejudice to our rights under Law.

For OPGC Ltd.

Authorised Signatory



1/4

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ODISHA POWER GENERATION CORPORATION LIMITED

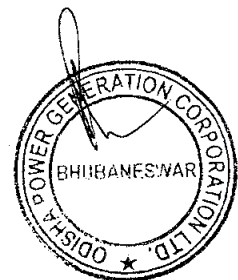
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Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

			For the Month of May 2017
S.No	Month	Unit	Domestic coal
1	2	3	4
1	Quantity of coal in stock at the beginning of the month	(MMT)	22,650.56
2	Quantity of Coal supplied by Coal Company	(MMT)	2,80,446
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)	
4	Coal supplied by Coal Company (2+3)	(MMT)	2,80,446
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	561
6	Net coal Supplied (4-5)	(MMT)	2,79,885
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	3,02,536
8	Coal burnt/consumed	(MMT)	2,47,361
9	Coal in stock at the end of the month	(MMT)	55,175
10	Value of coal in stock (Landed cost of 1)	(Rs.)	342,14,286
11	Amount charged by the Coal Company	(Rs.)	4057,60,426
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-
13	Total amount Charged (11+12)	(Rs.)	4057,60,426
14	Transportation charges by rail/ship/road transport	(Rs.)	-
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	-
16	Demurrage Charges, if any	(Rs.)	-
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	16,34,452
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	16,34,452
18(A)	Others(Stone picking charges ,Loco drivers salary , SamplingCharges etc.)	(Rs.)	
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	4073,94,877
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,459.69
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	805,38,071
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2,612



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ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

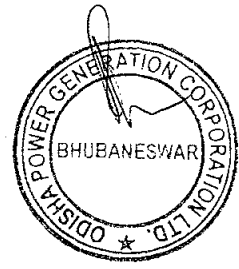
Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	May-17	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	515.613
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	-
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	-
7	Total oil receipt & in stock (1+6)	KL	515.613
8	Total Oil Consumed	KL	99.348
9	Oil in stock at the end of month	KL	416.27
10	Value of oil in stock (Landed cost of 1)	Rs	208,14,792
11	Amount charged by company	Rs	-
12	Adjustment (+/-) in Amount charged by Company	Rs	-
13	Total amount charged(11+12)	Rs	-
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demmorage charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	-
20	Avarage cost of oil(in stock+receipt)	Rs/KL	40369.02
21	Cost of Oil in stock at the end of month	Rs	168,04,211
22	Weighted AVG Rate of oil fired	Rs/KL	
23	Weighted AVG GCV of oil fired	(Kcal/ltr)	10,000

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7/21

Invoice No: 3 /2017-18

PROVISIONAL INVOICE FOR THE MONTH OF JUNE 2017

July 7, 2017

Name of Customer: M/s GRIDCO Ltd.
Address: Janpath, Bhubaneswar-751022
Fax: 0674-2543452

Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of June-2017.

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		
2.0	Due date of payment		July 7, 2017
3.0	2 % Rebate, if payment made by date		August 6, 2017
4.0	1% Rebate, if payment made by date		July 9, 2017
5.0	Late Charge Interest if Payment made after Date		August 6, 2017

DETAILS OF ENERGY SUPPLY DURING THE MONTH			
1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh 2627,93,400
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW 365

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month			
A. Capacity Charge Computation			
1.0	Plant Availability for the Month (As certified by SLDC)	TO Para- 138	
2.0	Cumulative Availability up to current Month	Annexure-I	94.975%
3.0	Capacity Charge as per the Tariff Order for the FY 20017-18		86.315%
4.0	Cumulative Capacity Charge up to current Month		Rs 20752,00,000
5.0	Cumulative Capacity Charge up to previous Month		Rs 5188,00,000
6.0	Capacity Charge for the Month		Rs 3338,85,102
			Rs 1849,14,898

B. Energy Charge Computation			
1.0	Energy Charge Rate as approved by OERC	TO Para- 138	
2.0	Monthly Energy Charge (Rupees)		Rs/kWh 1,237
	Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)		Rs 3250,75,436

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)			
1.0	Grass Station Heat Rate (Kcal/KWh)	TO Para- 138 & Regulations: 6.3	
2.0	Specific fuel oil consumption (ml/kWh)	GHR	2450
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	SFC	1.0
4.0	Calorific value of secondary fuel (kCal/ml)	LPSFI	0.041
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	CVSF	10
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	LPPF	1,455
7.0	Normative Limestone consumption (Kg/kWh)	CVPF	2993.0
8.0	Wtd avg. landed price of limestone (Rupees/kg)	LC	0
9.0	Normative auxiliary energy consumption (%)	LPL	0
10.0	Energy Charge Rate (Rs/kWh)	AUX	8.5
	ECR= ((GHR - SFC x CVSF) x LPPF/CVPF + SFC x LPSFI + LC x LPL) x 100/(100 - AUX)	Reg. 4.33	ECR 1,3410
11.0	Fuel Price Adjustment (Rs/kWh)		
12.0	Monthly FPA Charge (Rupees)		Rs/kWh 0,104
	Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)		Rs 273,30,514

D. Incentive			
		Regulations: 6.3	Rs 55,17,565

E. Monthly Energy Bill Amount (A+B+C+D)			
			Rs 5428,38,413

F. Reimbursements			
1.0	Electricity Duty	TO- Para. 134	
2.0	Water Cess and Water Charges	Annex- IV	Rs 65,77,364
3.0	Tax and Cess on Land	Annex- V	Rs 58,55,595
4.0	SOC and MOC for SLDC	Annex-	Rs -
5.0	ERPC Charges	Annex-VI	Rs 2,70,469
6.0	Income Tax	Annex-	Rs -
7.0	ARR & Tariff Petition Fees	Annex- VII	Rs 50,00,000
8.0	Others, if any	Annex-	Rs -
9.0	Total Reimbursement Charges	Annex-	Rs 177,03,428

G. Delay Payment Surcharge for the Month of Jun-17			
		Annex- VIII	Rs 84,42,476

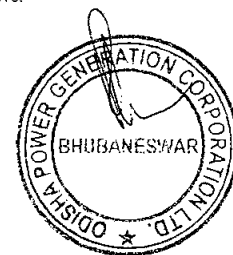
H. Total (E+F+G)			
			Rs 5689,84,316

NOTE:

- 1.0 This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- 2.0 This invoice is without prejudice to our rights under Law.

For OPGC Ltd.

Authorised Signatory
Ajit Kumar Das
07/07/2017



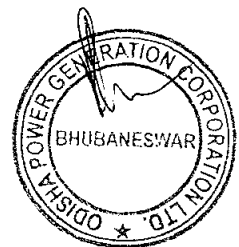
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Unit	Jun-17
			LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month		
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	416.265
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	97.00
4	Gross Oil(FO, HSD, LDO) supplied by company(2+3)	KL	
5	Normative/Transit Loss	KL	
6	Net Oil(FO, HSD, LDO) supplied by company(4-5)	KL	97.00
7	Total oil receipt & in stock (1+6)	KL	
8	Total Oil Consumed	KL	97.00
9	Oil in stock at the end of month	KL	513.265
10	Value of oil in stock (Landed cost of 1)	KL	67.692
11	Amount charged by company	Rs	445.57
12	Adjustment (+/-) in Amount charged by Company	Rs	209,79,275
13	Total amount charged(11+12)	Rs	41,75,064
14	Transportation charges	Rs	
15	Adjustment (+/-) in Transportation charges	Rs	41,75,063.87
16	Demmorage charges if any	Rs	
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	
18	Total Transportation charges(14+15+/-16+17)	Rs	
19	Total amount charged for oil including Transportation(13+18)	Rs	
20	Avarage cost of oil(in stock+receipt)	Rs	41,75,063.87
21	Cost of Oil in stock at the end of month	Rs/KL	40874.16
22	Weighted AVG Rate of oil fired	Rs	182,12,421
23	Weighted AVG GCV of oil fired	Rs/KL	
		(Kcal/ltr)	10,000



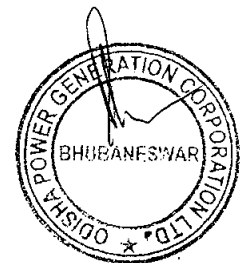
ODISHA POWER GENERATION CORPORATION LIMITED **FORMAT-7.1 (c)**

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Jun-17	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	55,174.67	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,58,463	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	2,58,463	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	517	
6	Net coal Supplied (4-5)	(MMT)	2,57,946	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	3,13,121	
8	Coal burnt/consumed	(MMT)	2,38,128	
9	Coal in stock at the end of the month	(MMT)	74,993	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	805,38,071	
11	Amount charged by the Coal Company	(Rs.)	3739,55,216	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
13	Total amount Charged (11+12)	(Rs.)	3739,55,216	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	10,09,090	
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	10,09,090	
18(A)	Others(Stone picking charges ,Loco drivers salary , SamplingCharges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	3749,64,306	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,454.72	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	1090,93,512	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2,993	



6/20

Invoice No : 4 /2017-18

August 8, 2017

Name of Customer: M/s GRIDCO Ltd.
Address: Janpath, Bhubaneswar-751022
Fax: 0674-2543452

Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of July-2017.

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		August 8, 2017
2.0	Due date of payment		September 7, 2017
3.0	2% Rebate, if payment made by date		August 10, 2017
4.0	1% Rebate, if payment made by date		September 7, 2017
5.0	Late Charge Interest if Payment made after Date		September 7, 2017

Sl No.	Particulars	Reference	Unit	Value
1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh	24,68,43,289
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW	365

A. Capacity Charge Computation			
Sl No.	Particulars	Reference	Value
1.0	Plant Availability for the Month (As certified by SLDC)	Annexure-I	86.3333%
2.0	Cumulative Availability up to current Month		86.3199%
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18		Rs 2,07,52,00,000
4.0	Cumulative Capacity Charge up to current Month		Rs 69,17,33,333
5.0	Cumulative Capacity Charge up to previous Month		Rs 51,88,00,000
6.0	Capacity Charge for the Month		Rs 17,29,33,333

B. Energy Charge Computation			
Sl No.	Particulars	Reference	Value
1.0	Energy Charge Rate as approved by OERC		Rs/kWh 1.237
2.0	Monthly Energy Charge (Rupees)		Rs 30,53,45,148
Total Energy Charge = (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)			

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)			
Sl No.	Particulars	Reference	Value
1.0	Gross Station Heat Rate (Kcal/KWh)		GHR 2450
2.0	Specific fuel oil consumption (ml/kWh)		SFC 1.0
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	Annexure-II	LPSFI 0.040
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-II	CVSF 10
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-III	LPPF 1.383
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-III	CVPF 2616
7.0	Normative Limestone consumption (Kg/kWh)		LC 0
8.0	Wtd avg. landed price of limestone (Rupees/kg)		LPL 0
9.0	Normative auxiliary energy consumption (%)		AUX 8.5
10.0	Energy Charge Rate (Rs/KWh)	Reg. 4.33	ECR 1.4540
ECR = ((GHR - SFC x CVSF) x LPPF / CVPF + SFC x LPSFI + LC x LPL) x 100 / (100 - AUX)			
11.0	Fuel Price Adjustment (Rs/kWh)		Rs/kWh 0.217
12.0	Monthly FPA Charge (Rupees)		Rs 5,35,64,994
Total FPA Charge = (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)			
			Rs 74,23,550
D. Incentive			
			Rs 53,92,67,025
E. Monthly Energy Bill Amount (A+B+C+D)			

F. Reimbursements			
Sl No.	Particulars	Reference	Value
1.0	Electricity Duty	Annex-IV	Rs 73,23,750
2.0	Water Cess and Water Charges	Annex-V	Rs 56,68,050
3.0	Tax and Cess on Land	Annex-	Rs -
4.0	SOC and MOC for SLDC	Annex-VI	Rs 2,70,469
5.0	ERPC Charges	Annex-	Rs -
6.0	Income Tax	Annex-	Rs -
7.0	ARR & Tariff Petition Fees	Annex-	Rs -
8.0	Others, if any	Annex-	Rs 1,32,62,269
9.0	Total Reimbursement Charges		Rs 1,08,03,262
G. Delay Payment Surcharge for the Month of Jun-17			
			Rs 56,33,32,556
H. Total (E+F+G)			

NOTE:

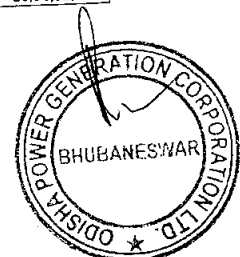
- 1.0 This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- 2.0 This invoice is without prejudice to our rights under Law.

For OPGC Ltd.

Authorised Signatory

Copy to:

- 1 Director Commercial, GRIDCOL Bhubaneswar
- 2 Director Finance, GRIDCOL Bhubaneswar
- 3 General Manager, Corporate Finance, GRIDCOL Bhubaneswar
- 4 Director Finance, OPGC Ltd, Bhubaneswar
- 5 The Chief Manager, Union Bank of India, Main Branch, 101, Janpath, Bhubaneswar. Copy endorsed for necessary action as the Escrow Agent.



ODISHA POWER GENERATION CORPORATION LIMITED

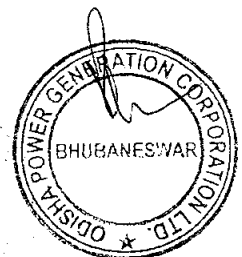
Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station: FTPS (1 & 2)

S.NO	PARTICULARS	Jul-17	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	445.573
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	101.00
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	101.00
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	101.00
7	Total oil receipt & in stock (1+6)	KL	546.573
8	Total Oil Consumed	KL	35.658
9	Oil in stock at the end of month	KL	510.92
10	Value of oil in stock (Landed cost of I)	Rs	2,21,12,762
11	Amount charged by company	Rs	39,00,341
12	Adjustment (+/-) in Amount charged by Company	Rs	-
13	Total amount charged(11+12)	Rs	39,00,341.00
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demmurge charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	39,00,341.00
20	Average cost of oil(in stock+receipt)	Rs/KL	40457.11
21	Cost of Oil in stock at the end of month	Rs	2,06,70,143
22	Weighted AVG Rate of oil fired	Rs/KL	-
23	Weighted AVG GCV of oil fired	(Kcal/ltr)	10,000

5/18



ODISHA POWER GENERATION CORPORATION LIMITED

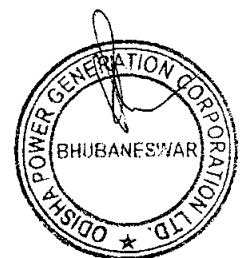
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Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Jul-17	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	74,992.94	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,20,521	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	2,20,521	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	441	
6	Net coal Supplied (4-5)	(MMT)	2,20,080	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	2,95,073	
8	Coal burnt/consumed	(MMT)	2,57,062	
9	Coal in stock at the end of the month	(MMT)	38,011	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	10,90,93,512	
11	Amount charged by the Coal Company	(Rs.)	29,80,18,030	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
13	Total amount Charged (11+12)	(Rs.)	29,80,18,030	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	10,24,572	
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	10,24,572	
18(A)	Others (Stone picking charges, Loco drivers salary, Sampling Charges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	29,90,42,602	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,383.17	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	5,25,75,674	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2,616	



6/18

Invoice No: 5/2017-18

PROVISIONAL INVOICE FOR THE MONTH OF AUG 2017

September 8, 2017

Name of Customer: M/s GRIDCO Ltd.
Address: Janpath, Bhubaneswar-751022
Fax: 0674-2543452

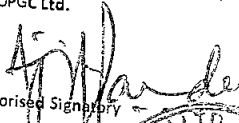

Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of AUG-2017.

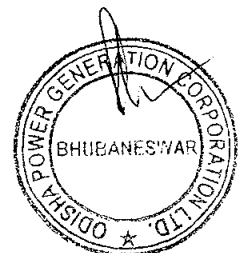
Sl No.	Particulars	Reference			
1.0	Date of presentation to the Designated Officer			September 8, 2017	
2.0	Due date of payment			October 8, 2017	
3.0	2 % Rebate, if payment made by date			September 10, 2017	
4.0	1% Rebate, if payment made by date			October 8, 2017	
5.0	Late Charge Interest If Payment made after Date			October 8, 2017	
DETAILS OF ENERGY SUPPLY DURING THE MONTH					
1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh	13,92,49,093	
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW	187.16	
Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month					
A. Capacity Charge Computation					
1.0	Plant Availability for the Month (As certified by SLDC)	TO Para- 138			
2.0	Cumulative Availability up to current Month	Annexure-I		48.702%	
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18			78.698%	
4.0	Cumulative Capacity Charge up to current Month		Rs	2,07,52,00,000	
5.0	Cumulative Capacity Charge up to previous Month		Rs	80,05,56,033	
6.0	Capacity Charge for the Month		Rs	69,17,33,333	
			Rs	10,88,22,700	
B. Energy Charge Computation					
1.0	Energy Charge Rate as approved by OERC	TO Para- 138			
2.0	Monthly Energy Charge (Rupees)		Rs/kWh	1.237	
	Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)		Rs	17,22,51,128	
C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)					
1.0	Gross Station Heat Rate (Kcal/KWh)	TO Para- 138 & Regulations: 6.3			
2.0	Specific fuel oil consumption (ml/kWh)		GHR	2450	
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month		SFC	1.0	
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-II	LPSFi	0.040	
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-II	CVSF	10	
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-III	LPPF	1.364	
7.0	Normative Limestone consumption (Kg/kWh)	Annexure-III	CVPF	2482	
8.0	Wtd avg. landed price of limestone (Rupees/kg)		LC	0	
9.0	Normative auxiliary energy consumption (%)		LPL	0	
10.0	Energy Charge Rate (Rs/KWh)		AUX	8.5	
	ECR= ((GHR - SFC x CVSF) x LPPF/CVPF + 5FC x LPSFi + LC x LPL) x 100/(100 - AUX)	Reg. 4.33	ECR	1.510	
11.0	Fuel Price Adjustment (Rs/kWh)				
12.0	Monthly FPA Charge (Rupees)		Rs/kWh	0.273	
	Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)		Rs	3,80,15,002	
D. Incentive					
E. Monthly Energy Bill Amount (A+B+C+D)					
				Regulations: 6.3	Rs
					Rs
					31,90,88,830
F. Reimbursements					
1.0	Electricity Duty	T.O- Para. 134			
2.0	Water Cess and Water Charges	Annex-IV	Rs	68,79,239	
3.0	Tax and Cess on Land	Annex- V	Rs	57,27,906	
4.0	SOC and MOC for SLDC		Rs	-	
5.0	ERPC Charges	Annex-VI	Rs	2,70,469	
6.0	Income Tax		Rs	-	
7.0	ARR & Tariff Petition Fees		Rs	-	
8.0	Others, if any		Rs	-	
9.0	Total Reimbursement Charges		Rs	-	
G	Delay Payment Surcharge for the Month of Jun-17		Rs	1,28,77,614	
H	Total (E+F+G)	Annex- VII	Rs	1,83,33,608	
				Rs	35,03,00,053

NOTE:

- 1.0 This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- 2.0 This invoice is without prejudice to our rights under Law.

For OPGC Ltd.


 Authorised Signatory




ODISHA POWER GENERATION CORPORATION LIMITED

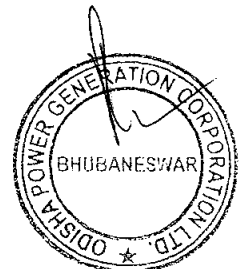
Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Aug-17	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	510.915
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	-
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	-
7	Total oil receipt & in stock (1+6)	KL	510.915
8	Total Oil Consumed	KL	50.99
9	Oil in stock at the end of month	KL	459.93
10	Value of oil in stock (Landed cost of 1)	Rs	206,70,143
11	Amount charged by company	Rs	-
12	Adjustment (+/-) in Amount charged by Company	Rs	-
13	Total amount charged(11+12)	Rs	-
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demmorage charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	-
20	Average cost of oil(in stock+receipt)	Rs/KL	40,457
21	Cost of Oil in stock at the end of month	Rs	186,07,235
22	Weighted AVG Rate of oil fired	Rs/KL	-
23	Weighted AVG GCV of oil fired	(Kcal/ltr)	10,000

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ODISHA POWER GENERATION CORPORATION LIMITED

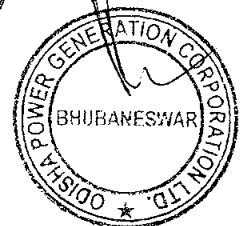
Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Aug-17	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	38,011.00	
2	Quantity of Coal supplied by Coal Company	(MMT)	1,64,094	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	1,64,094	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	328	
6	Net coal Supplied (4-5)	(MMT)	1,63,766	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	2,01,777	
8	Coal burnt/consumed	(MMT)	1,77,950	
9	Coal in stock at the end of the month	(MMT)	23,827	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	525,75,674	
11	Amount charged by the Coal Company	(Rs.)	2217,61,296	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
13	Total amount Charged (11+12)	(Rs.)	2217,61,296	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	9,02,383	
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	9,02,383	
18(A)	Others (Stone picking charges, Loco drivers salary, Sampling Charges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	2226,63,679	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,364.08	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	325,01,635	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2,482	

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PROVISIONAL INVOICE FOR THE MONTH OF SEPTEMBER 2017

Invoice No : 6/2017-18

October 6, 2017

Name of Customer: M/s GRIDCO Ltd.
 Address: Janpath, Bhubaneswar-751022
 Fax: 0674-2543452
 Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of SEP-2017.

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		October 6, 2017
2.0	Due date of payment		November 5, 2017
3.0	2 % Rebate, if payment made by date		October 8, 2017
4.0	1% Rebate, if payment made by date		November 5, 2017
5.0	Late Charge Interest If Payment made after Date		November 5, 2017

DETAILS OF ENERGY SUPPLY DURING THE MONTH				
1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh	10,45,37,362
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW	146.01

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month				
A. Capacity Charge Computation				
1.0	Plant Availability for the Month (As certified by SLDC)	TO Para- 138		
2.0	Cumulative Availability up to current Month	Annexure-I		37.994%
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18		Rs	2,07,52,00,000
4.0	Cumulative Capacity Charge up to current Month		Rs	87,92,13,123
5.0	Cumulative Capacity Charge up to previous Month		Rs	80,05,56,033
6.0	Capacity Charge for the Month		Rs	7,86,57,090

B. Energy Charge Computation				
1.0	Energy Charge Rate as approved by OERC	TO Para- 138	Rs/kWh	1.237
2.0	Monthly Energy Charge (Rupees)		Rs	12,93,12,717
Total Energy Charge = (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)				
1.0	Gross Station Heat Rate (Kcal/kWh)		GHR	2450
2.0	Specific fuel oil consumption (ml/kWh)		SFC	1.0
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	Annexure-II	LPSFI	0.041
4.0	Calorific value of secondary fuel (KCal/ml)	Annexure-II	CVSF	10
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-III	LPPF	1,374
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (KCal/Kg)	Annexure-III	CVPF	2744
7.0	Normative Limestone consumption (Kg/kWh)		LC	0
8.0	Wtd avg. landed price of limestone (Rupees/kg)		LPL	0
9.0	Normative auxiliary energy consumption (%)		AUX	8.5
10.0	Energy Charge Rate (Rs/KWh)	Reg. 4.33	ECR	1.380
ECR = ((GHR - SFC x CVSF) x LPPF/CVPF + SFC x LPSFI + LC x LPL) x 100 / (100 - AUX)				
11.0	Fuel Price Adjustment (Rs/kWh)		Rs/kWh	0.143
12.0	Monthly FPA Charge (Rupees)		Rs	1,49,48,843
Total FPA Charge = (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

D. Incentive				
		Regulations: 6.3	Rs	-

E. Monthly Energy Bill Amount (A+B+C+D)				
			Rs	22,29,18,649

F. Reimbursements				
1.0	Electricity Duty	T.O. Para. 134		
2.0	Water Cess and Wafer Charges	Annex-IV	Rs	38,80,712
3.0	Tax and Cess on Land	Annex-V	Rs	57,27,906
4.0	SQC and MOC for SLDC	Annex-VI	Rs	2,70,469
5.0	ERPC Charges	Annex-	Rs	-
6.0	Income Tax	Annex-VII	Rs	1,00,00,000
7.0	ARR & Tariff Petition Fees	Annex-	Rs	-
8.0	Others, if any (Joint meter reading)	Annex-VIII	Rs	-
9.0	Total Reimbursement Charges		Rs	1,98,79,087

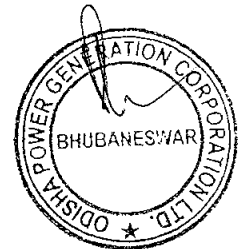
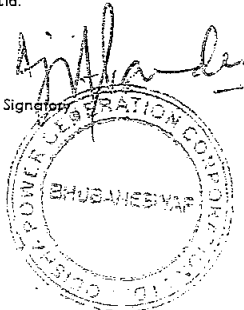
G. Delay Payment Surcharge for the Month of Aug-17				
		Annex-IX	Rs	1,40,26,497

H. Total (E+F+G)				
			Rs	25,68,24,233

NOTE:

- 1.0 This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- 2.0 This invoice is without prejudice to our rights under law.
- 3.0 Scheduled Energy at Sl 1.0 is net of import made during the month i.e. 0.5910 MU for OPGC Ltd.

Authorised Signatory



1/21

ODISHA POWER GENERATION CORPORATION LIMITED

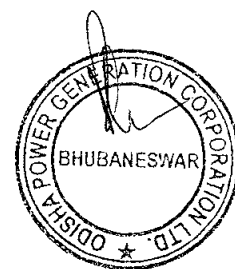
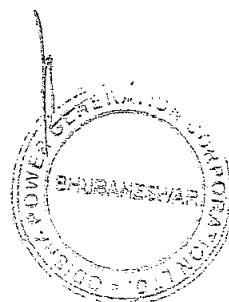
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Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Sep-17	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	459,925
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	375.00
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	375.00
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	375.00
7	Total oil receipt & in stock (1+6)	KL	834,925
8	Total Oil Consumed	KL	270,894
9	Oil in stock at the end of month	KL	564.03
10	Value of oil in stock (Landed cost of I)	Rs	3,44,74,461
11	Amount charged by company	Rs	1,58,67,226
12	Adjustment (+/-) in Amount charged by Company	Rs	-
13	Total amount charged(11+12)	Rs	1,58,67,226
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demmorage charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	1,58,67,226
20	Avarage cost of oil(in stock+receipt)	Rs/KL	41290.49
21	Cost of Oil in stock at the end of month	Rs	2,32,89,115
22	Weighted AVG Rate of oil fired	Rs/KL	-
23	Weighted AVG GCV of oil fired	(Kcal/ltr)	10,000



ODISHA POWER GENERATION CORPORATION LIMITED

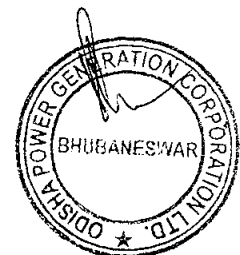
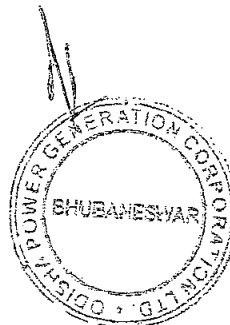
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Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Sep-17	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	23,826.81	
2	Quantity of Coal supplied by Coal Company	(MMT)	1,53,130	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	1,53,130	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	306	
6	Net coal Supplied (4-5)	(MMT)	1,52,824	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	1,76,651	
8	Coal burnt/consumed	(MMT)	1,08,774	
9	Coal in stock at the end of the month	(MMT)	67,877	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	3,25,01,635	
11	Amount charged by the Coal Company	(Rs.)	20,82,30,507	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
13	Total amount Charged (11+12)	(Rs.)	20,82,30,507	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	19,80,254	
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	19,80,254	
18(A)	Others (Stone picking charges, Loco drivers salary, Sampling Charges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	21,02,10,762	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,373.97	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	9,32,60,452	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2,744	



PROVISIONAL INVOICE FOR THE MONTH OF OCTOBER 2017

Invoice No : 7/2017-18

November 7, 2017

Name of Customer: M/s GRIDCO Ltd.
Address: Janpath, Bhubaneswar-751022
Fax: 0674-2543452

Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of OCT-2017.

Sl No.	Particulars	Reference		
1.0	Date of presentation to the Designated Officer			November 7, 2017
2.0	Due date of payment			December 7, 2017
3.0	2 % Rebate, if payment made by date			November 9, 2017
4.0	1% Rebate, if payment made by date			December 7, 2017
5.0	Late Charge Interest If Payment made after Date			December 7, 2017

DETAILS OF ENERGY SUPPLY DURING THE MONTH

1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh	2061,57,424
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW	277.09

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month

A. Capacity Charge Computation		TO Para- 138		
1.0	Plant Availability for the Month (As certified by SLDC)	Annexure-I		72.103%
2.0	Cumulative Availability up to current Month			72.036%
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18		Rs	20752,00,000
4.0	Cumulative Capacity Charge up to current Month		Rs	10259,10,405
5.0	Cumulative Capacity Charge up to previous Month		Rs	8792,13,123
6.0	Capacity Charge for the Month		Rs	1466,97,282

B. Energy Charge Computation		TO Para- 138		
1.0	Energy Charge Rate as approved by OERC		Rs/kWh	1.237
2.0	Monthly Energy Charge (Rupees)		Rs	2550,16,733
Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)		TO Para- 138 & Regulations: 6.3		
1.0	Gross Station Heat Rate (Kcal/KWh)		GHR	2450
2.0	Specific fuel oil consumption (ml/kWh)		SFC	1.0
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	Annexure-II	LPSFI	0.042
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-II	CVSF	10
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-III	LPFF	1.369
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-III	CVPF	2446
7.0	Normative Limestone consumption (Kg/kWh)		LC	0
8.0	Wtd avg. landed price of limestone (Rupees/kg)		LPL	0
9.0	Normative auxiliary energy consumption (%)		AUX	8.5
10.0	Energy Charge Rate (Rs/kWh)	Reg. 4.33	ECR	1.539
ECR= ((GHR - SFC x CVSF) x LPFF/CVPF + SFC x LPSFI + LC x LPL) x 100/(100 - AUX)				
11.0	Fuel Price Adjustment (Rs/kWh)		Rs/kWh	0.302
12.0	Monthly FPA Charge (Rupees)		Rs	622,59,542
Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

D. Incentive		Regulations: 6.3	Rs	

E. Monthly Energy Bill Amount (A+B+C+D)		Rs		4639,73,557

F. Reimbursements		T.O- Para, 134		
1.0	Electricity Duty	Annex- IV	Rs	29,29,807
2.0	Water Cess and Water Charges	Annex- V	Rs	55,43,134
3.0	Tax and Cess on Land		Rs	-
4.0	SOC and MOC for SLDC	Annex-VI	Rs	2,70,469
5.0	ERPC Charges		Rs	-
6.0	Income Tax		Rs	-
7.0	ARR & Tariff Petition Fees		Rs	-
8.0	Others, if any (Joint meter reading)	Annex-VII	Rs	-
9.0	Total Reimbursement Charges		Rs	87,43,410

G		Annex- VIII	Rs	124,35,638
Delay Payment Surcharge for the Month of Sep-17				

H			Rs	4851,52,606
Total (E+F+G)				

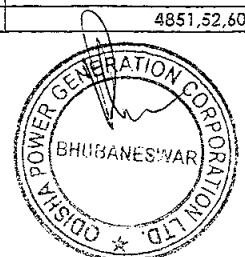
NOTE:

- 1.0 This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- 2.0 This invoice is without prejudice to our rights under Law.

For OPGC Ltd.

(Signature)

Authorized Signatory



ODISHA POWER GENERATION CORPORATION LIMITED

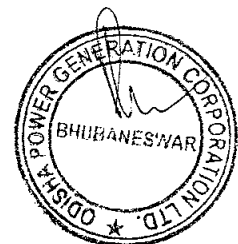
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Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Oct-17	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	564.031
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	202.00
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	202.00
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	202.00
7	Total oil receipt & in stock (1+6)	KL	766.031
8	Total Oil Consumed	KL	282.389
9	Oil in stock at the end of month	KL	483.64
10	Value of oil in stock (Landed cost of l)	Rs	322,65,073
11	Amount charged by company	Rs	89,75,958
12	Adjustment (+/-) in Amount charged by Company	Rs	-
13	Total amount charged(11+12)	Rs	89,75,958
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demmorage charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	89,75,958
20	Avarage cost of oil(in stock+receipt)	Rs/KL	42119.80
21	Cost of Oil in stock at the end of month	Rs	203,70,905
22	Weighted AVG Rate of oil fired	Rs/KL	-
23	Weighted AVG GCV of oil fired	(Kcal/ltr)	10,000



ODISHA POWER GENERATION CORPORATION LIMITED

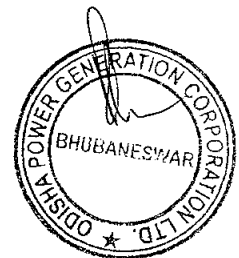
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Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Oct-17	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	67,876.75	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,19,043	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	2,19,043	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	438	
6	Net coal Supplied (4-5)	(MMT)	2,18,605	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	2,86,482	
8	Coal burnt/consumed	(MMT)	2,36,169	
9	Coal in stock at the end of the month	(MMT)	50,313	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	932,60,452	
11	Amount charged by the Coal Company	(Rs.)	2978,60,367	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
13	Total amount Charged (11+12)	(Rs.)	2978,60,367	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	11,27,845	
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	11,27,845	
18(A)	Others(Stone picking charges ,Loco drivers salary , SamplingCharges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	2989,88,212	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,369.19	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	688,87,745	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2,446	



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PROVISIONAL INVOICE FOR THE MONTH OF November 2017

Invoice No : 8/2017-18

December 6, 2017

Name of Customer: M/s GRIDCO Ltd.
Address: Janpath, Bhubaneswar-751022
Fax: 0674-2543452

Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of Nov-2017.
GST No: 21AAACO4759R1ZZ

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		December 6, 2017
2.0	Due date of payment		January 5, 2018
3.0	2 % Rebate, if payment made by date		December 8, 2017
4.0	1 % Rebate, if payment made by date		January 5, 2018
5.0	Late Charge Interest if Payment made after Date		January 5, 2018

DETAILS OF ENERGY SUPPLY DURING THE MONTH

1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh	1459,02,236
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW	203.06

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month

A. Capacity Charge Computation		TO Para- 138		
1.0	Plant Availability for the Month (As certified by SLDC)	Annexure-I		52.840%
2.0	Cumulative Availability up to current Month			69.676%
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18		Rs	20752,00,000
4.0	Cumulative Capacity Charge up to current Month		Rs	11340,54,201
5.0	Cumulative Capacity Charge up to previous Month		Rs	10259,10,405
6.0	Capacity Charge for the Month		Rs	1081,43,796

B. Energy Charge Computation		TO Para- 138		
1.0	Energy Charge Rate as approved by OERC		Rs/kWh	1.237
2.0	Monthly Energy Charge (Rupees)		Rs	1804,81,066
Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)		TO Para- 138 & Regulations: 6.3		
1.0	Gross Station Heat Rate (Kcal/KWh)		GHR	2450
2.0	Specific fuel oil consumption (ml/kWh)		SFC	1.0
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	Annexure-II	LPSFI	0.043
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-II	CVSF	10
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-III	LPPF	1.369
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-III	CVPF	2981
7.0	Normative Limestone consumption (Kg/kWh)		LC	0
8.0	Wtd avg. landed price of limestone (Rupees/kg)		LPL	0
9.0	Normative auxiliary energy consumption (%)		AUX	8.5
10.0	Energy Charge Rate (Rs/KWh)	Reg. 4.33	ECR	1.271
ECR= {(GHR - SFC x CVSF) x LPPF/CVPF + SFC X LPSFI + LC x LPL} x 100/(100 - AUX)				
11.0	Fuel Price Adjustment (Rs/kWh)		Rs/kWh	0.034
12.0	Monthly FPA Charge (Rupees)		Rs	49,60,676
Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

D. Incentive		Regulations: 6.3	Rs	
				-

E. Monthly Energy Bill Amount (A+B+C+D)			Rs	2935,85,538

F. Reimbursements		T.O- Para. 134		
1.0	Electricity Duty	Annex- IV	Rs	316,71,182
2.0	Water Cess and Water Charges	Annex- V	Rs	57,27,906
3.0	Tax and Cess on Land		Rs	-
4.0	SOC and MOC for SLDC*	Annex-VI	Rs*	2,70,469
5.0	ERPC Charges		Rs	-
6.0	Income Tax		Rs	-
7.0	ARR & Tariff Petition Fees		Rs	-
8.0	Others, if any (Joint meter reading)	Annex-VII	Rs	-
9.0	Total Reimbursement Charges		Rs	376,69,557

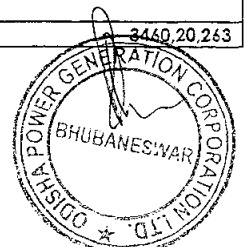
G			Rs	147,65,168
Delay Payment Surcharge for the Month of Oct-17		Annex- VIII		

H			Rs	3460,20,263
Total (E+F+G)				

NOTE:

- This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- This invoice is without prejudice to our rights under Law.

3.0 Scheduled energy (for ECR & FPA) for the month of Nov 2017 is net of import made during the month i.e. 0.304 MU For OPGC Ltd.



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Aax-II

ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd. *

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Nov-17	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	483.642
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	180.00
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	180.00
5	Normative/Transit Loss	KL	
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	180.00
7	Total oil receipt & in stock (1+6)	KL	663.642
8	Total Oil Consumed	KL	254.9
9	Oil in stock at the end of month	KL	408.74
10	Value of oil in stock (Landed cost of 1)	Rs	203,70,905
11	Amount charged by company	Rs	83,31,850
12	Adjustment (+/-) in Amount charged by Company	Rs	
13	Total amount charged(11+12)	Rs	83,31,850.17
14	Transportation charges	Rs	
15	Adjustment (+/-) in Transportation charges	Rs	
16	Demmorage charges if any	Rs	
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	
18	Total Transportation charges(14+15+/-16+17)	Rs	
19	Total amount charged for oil including Transportation(13+18)	Rs	83,31,850.17
20	Avarage cost of oil(in stock+receipt)	Rs/KL	43250.36
21	Cost of Oil in stock at the end of month	Rs	176,78,238
22	Weighted AVG Rate of oil fired	Rs/KL	43250.36
23	Weighted AVG GCV of oil fired	(Kcal/ltr)	10,000

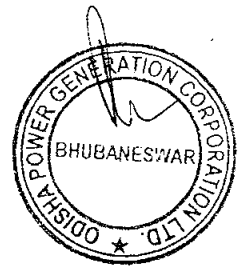
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Annex - III

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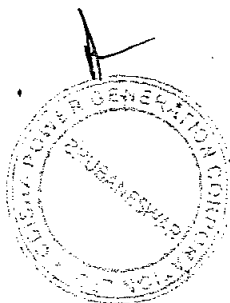
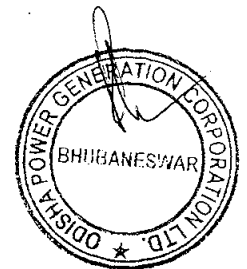
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Nov-17	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	50,312.67	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,06,775	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	2,06,775	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	414	
6	Net coal Supplied (4-5)	(MMT)	2,06,361	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	2,56,674	
8	Coal burnt/consumed	(MMT)	1,34,491	
9	Coal in stock at the end of the month	(MMT)	1,22,183	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	688,87,745	
11	Amount charged by the Coal Company	(Rs.)	2811,77,749	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
13	Total amount Charged (11+12)	(Rs.)	2811,77,749	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	11,96,220	
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	11,96,220	
18(A)	Others (Stone picking charges, Loco drivers salary, Sampling Charges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	2823,73,969	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,368.51	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	1672,08,967	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2981	



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PROVISIONAL INVOICE FOR THE MONTH OF DECEMBER 2017

Invoice No : 9/2017-18

January 4, 2018

Name of Customer: M/s GRIDCO Ltd.
Address: Janpath, Bhubaneswar-751022
Fax: 0674-2543452
Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of Dec-2017.
GST No: 21AAACO4759R1ZZ

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		January 4, 2018
2.0	Due date of payment		February 3, 2018
3.0	2 % Rebate, if payment made by date		January 6, 2018
4.0	1% Rebate, if payment made by date		February 3, 2018
5.0	Late Charge Interest if Payment made after Date		February 3, 2018

DETAILS OF ENERGY SUPPLY DURING THE MONTH

1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh	23,11,08,256
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW	310.63

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month

A. Capacity Charge Computation		TO Para- 138	
1.0	Plant Availability for the Month (As certified by SLOC)	Annexure-I	80.830%
2.0	Cumulative Availability up to current Month		70.933%
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18	Rs	2,07,52,00,000
4.0	Cumulative Capacity Charge up to current Month	Rs	1,29,88,33,535
5.0	Cumulative Capacity Charge up to previous Month	Rs	1,13,40,54,201
6.0	Capacity Charge for the Month	Rs	16,47,79,334

B. Energy Charge Computation		TO Para- 138	
1.0	Energy Charge Rate as approved by OERC	Rs/kWh	1.237
2.0	Monthly Energy Charge (Rupees)	Rs	28,58,80,913
Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)			

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)		TO Para- 138 & Regulations: 6.3	
1.0	Gross Station Heat Rate (Kcal/KWh)	GHR	2450
2.0	Specific fuel oil consumption (ml/kWh)	SFC	1.0
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	Annexure-II	LPSfi 0.045
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-II	CVSF 10
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-III	LPPF 1.402
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-III	CVPF 2752
7.0	Normative Limestone consumption (Kg/kWh)	LC	0
8.0	Wtd avg. landed price of limestone (Rupees/kg)	LPL	0
9.0	Normative auxiliary energy consumption (%)	AUX	8.5
10.0	Energy Charge Rate (Rs/KWh)	Reg. 4.33	ECR 1.408
ECR= ((GHR - SFC x CVSF) x LPPF/CVPF + SFC x LPSfi + LC x LPL) x 100/((100 - AUX)			
11.0	Fuel Price Adjustment (Rs/kWh)	Rs/kWh	0.171
12.0	Monthly FPA Charge (Rupees)	Rs	3,95,19,512
Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)			

D. Incentive		Regulations: 6.3	
		Rs	-

E. Monthly Energy Bill Amount (A+B+C+D)		Rs	49,01,79,758
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F. Reimbursements		T.O- Para. 134	
1.0	Electricity Duty	Annex- IV	Rs 74,70,100
2.0	Water Cess and Water Charges, Renewal Fees	Annex- V	Rs 55,43,134
3.0	Tax and Cess on Land		Rs -
4.0	SOC and MOC for SLDC	Annex-VI	Rs 2,70,469
5.0	ERPC Charges		Rs -
6.0	Income Tax	Annex-VII	Rs 1,00,00,000
7.0	ARR & Tariff Petition Fees *		Rs -
8.0	Others, if any (Joint meter reading)	Annex-VIII	Rs -
9.0	Total Reimbursement Charges	Rs	2,32,83,703

G	Delay Payment Surcharge for the Month of Dec-17	Annex-IX	Rs 1,48,58,344
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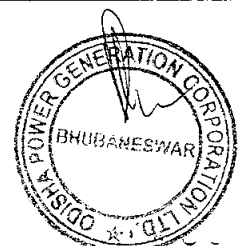
H	Total (E+F+G)	Rs	52,83,21,805
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NOTE:

- 1.0 This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- 2.0 This invoice is without prejudice to our rights under Law.

For OPGC Ltd.

[Signature]
Authorised Signatory



Annexure - II

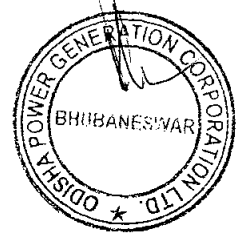
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Dec-17	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	408.742
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	252.00
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	252.00
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	252.00
7	Total oil receipt & in stock (1+6)	KL	660.742
8	Total Oil Consumed	KL	88.996
9	Oil in stock at the end of month	KL	571.75
10	Value of oil in stock (Landed cost of l)	Rs	1,76,78,238
11	Amount charged by company	Rs	1,18,48,954
12	Adjustment (+/-) in Amount charged by Company	Rs	-
13	Total amount charged(11+12)	Rs	1,18,48,954.00
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demurrage charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	1,18,48,954.00
20	Average cost of oil(in stock+receipt)	Rs/KL	44,688
21	Cost of Oil in stock at the end of month	Rs	2,55,50,145
22	Weighted AVG Rate of oil fired	Rs/KL	44687.93
23	Weighted AVG GCV of oil fired	(Kcal/tr)	10,000



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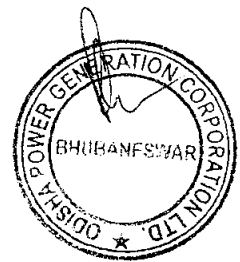
5/28

ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.
Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Dec-17	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	1,22,183	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,17,494	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company(2+3)	(MMT)	2,17,494	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	435	
6	Net coal Supplied (4-5)	(MMT)	2,17,059	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	3,39,242	
8	Coal burnt/consumed	(MMT)	2,34,442	
9	Coal in stock at the end of the month	(MMT)	1,04,800	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	16,72,08,967	
11	Amount charged by the Coal Company	(Rs.)	29,57,54,461	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	76,16,862	
13	Total amount Charged (11+12)	(Rs.)	30,33,71,323	
14	Transportation charges by rail/ship/road transport	(Rs.)		
15	Adjustment (+/-) in amount charged made by Railways/Transport Company inc. debit/credit note	(Rs.)		
16	Demurrage Charges, if any	(Rs.)		
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	11,05,845	
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	11,05,845	
18(A)	Others(Stone picking charges, Loco drivers salary, Sampling Charges etc.)	(Rs.)	40,30,631	
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	30,85,07,799	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,402.29	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	14,69,60,359	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2752	



Invoice No : 10/2017-18

PROVISIONAL INVOICE FOR THE MONTH OF JAN 2018

February 6, 2018

Name of Customer: M/s GRIDCO Ltd.

Address: Janpath, Bhubaneswar-751022

Fax: 0674-2543452

Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of Jan-2018.

GST No: 21AAACO4759R1ZZ

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		
2.0	Due date of payment		February 6, 2018
3.0	2 % Rebate, if payment made by date		March 8, 2018
4.0	1% Rebate, if payment made by date		February 8, 2018
5.0	Late Charge Interest If Payment made after Date		March 8, 2018

DETAILS OF ENERGY SUPPLY DURING THE MONTH			
1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh 2241,57,682
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW 301.29

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month			
A. Capacity Charge Computation			
1.0	Plant Availability for the Month (As certified by SLDC)	TO Para- 138	
2.0	Cumulative Availability up to current Month	Annexure-I	78.399%
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18		71.690%
4.0	Cumulative Capacity Charge up to current Month		Rs 20752,00,000
5.0	Cumulative Capacity Charge up to previous Month		Rs 14585,35,534
6.0	Capacity Charge for the Month		Rs 12988,33,535
			Rs 1597,01,999

B. Energy Charge Computation			
1.0	Energy Charge Rate as approved by OERC	TO Para- 138	
2.0	Monthly Energy Charge (Rupees)		Rs/kWh 1.237
	Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)		Rs 2772,83,053

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)			
1.0	Gross Station Heat Rate (Kcal/KWh)	TO Para- 138 & Regulations: 6.3	
2.0	Specific fuel oil consumption (ml/kWh)		GHR 2450
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month		SFC 1.0
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-II	LPSFI 0.045
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-II	CVSF 10
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-III	LPPF 1.495
7.0	Nomative Limestone consumption (Kg/kWh)	Annexure-III	CVPF 2503
8.0	Wtd avg. landed price of limestone (Rupees/kg)		LC 0
9.0	Nomative auxiliary energy consumption (%)		LPL 0
10.0	Energy Charge Rate (Rs/KWh)		AUX 8.5
	ECR= ((GHR - SFC x CVSF) x LPPF/CVPF + SFC x LPSFI + LC x LPL) x 100/(100 - AUX)	Reg. 4.33	ECR 1.642
11.0	Fuel Price Adjustment (Rs/kWh)		
12.0	Monthly FPA Charge (Rupees)		Rs/kWh 0.405
	Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)		Rs 907,83,861

D. Incentive			
		Regulations: 6.3	Rs
E. Monthly Energy Bill Amount (A+B+C+D)			
			Rs 5277,68,913

F. Reimbursements			
1.0	Electricity Duty	T.O- Para. 134	
2.0	Water Cess and Water Charges, Renewal Fees	Annex- IV	Rs 118,07,990
3.0	Tax and Cess on Land	Annex- V	Rs 57,27,906
4.0	SOC and MOC for SLDC		Rs -
5.0	ERPC Charges	Annex-VI	Rs 2,70,469
6.0	Income Tax		Rs -
7.0	ARR & Tariff Petition Fees		Rs -
8.0	Others, if any (Joint meter reading)		Rs -
9.0	Total Reimbursement Charges	Annex-VII	Rs 178,06,365

G			
	Delay Payment Surcharge for the Month of Dec-17	Annex-VIII	Rs 117,12,224

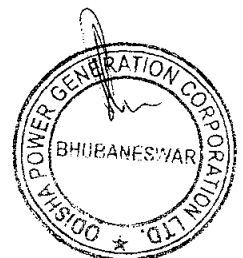
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	Total (E+F+G)		Rs 5572,87,502

NOTE:

- 1.0 This invoice is prvisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- 2.0 This invoice is without prejudice to our rights under Law.

For OPGC Ltd.

[Signature]
Authorised Signatory



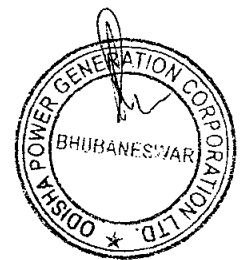
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Jan-18	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	571.746
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	-
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	-
7	Total oil receipt & in stock (1+6)	KL	571.746
8	Total Oil Consumed	KL	136.769
9	Oil in stock at the end of month	KL	434.98
10	Value of oil in stock (Landed cost of 1)	Rs	255,50,145
11	Amount charged by company	Rs	-
12	Adjustment (+/-) in Amount charged by Company	Rs	-
13	Total amount charged(11+12)	Rs	-
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demmorage charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	-
20	Average cost of oil(in stock+receipt)	Rs/KL	44,688
21	Cost of Oil in stock at the end of month	Rs	194,38,222
22	Weighted AVG Rate of oil fired	Rs/KL	44687.93
23	Weighted AVG GCV of oil fired	(Kcal/itr)	10,000



Annex-III

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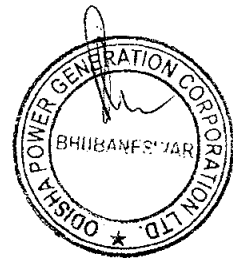
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2) *

S.No	Month	Unit	For the Month of Jan-18	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	1,04,800.03	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,08,466	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	2,08,466	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	417	
6	Net coal Supplied (4-5)	(MMT)	2,08,049	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	3,12,849	
8	Coal burnt/consumed	(MMT)	2,47,640	
9	Coal in stock at the end of the month	(MMT)	65,209	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	1469,60,359	
11	Amount charged by the Coal Company	(Rs.)	3152,70,351	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	43,20,797	
13	Total amount Charged (11+12)	(Rs.)	3195,91,148	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company inc. debit/credit note	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	12,43,339	
18	Total Transportation Charges (14+-15+16+17)	(Rs.)	12,43,339	
18(A)	Others (Stone picking charges, Loco drivers salary, Sampling Charges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	3208,34,488	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,495.27	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	975,05,763	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	2503	



PROVISIONAL INVOICE FOR THE MONTH OF FEB 2018

Invoice No : 11/2017-18

March 8, 2018

Name of Customer: M/s GRIDCO Ltd.
 Address: Janpath, Bhubaneswar-751022
 Fax: 0674-2543452
 Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of Feb-2018.
 GST No: 21AAACO4759R1ZZ

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		
2.0	Due date of payment		March 8, 2018
3.0	2% Rebate, if payment made by date		April 7, 2018
4.0	1% Rebate, if payment made by date		March 10, 2018
5.0	Late Charge Interest If Payment made after Date		April 7, 2018

DETAILS OF ENERGY SUPPLY DURING THE MONTH

1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh	2403,12,633
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW	357.61

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month

A. Capacity Charge Computation		TO Para- 138		
1.0	Plant Availability for the Month (As certified by SLDC)	Annexure-I		93.054%
2.0	Cumulative Availability up to current Month			73.481%
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18			20752,00,000
4.0	Cumulative Capacity Charge up to current Month		Rs	16444,72,013
5.0	Cumulative Capacity Charge up to previous Month		Rs	14585,35,534
6.0	Capacity Charge for the Month		Rs	1859,36,479

B. Energy Charge Computation		TO Para- 138		
1.0	Energy Charge Rate as approved by OERC		Rs/kWh	1.237
2.0	Monthly Energy Charge (Rupees)		Rs	2972,66,727
Total Energy Charge= (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)		TO Para- 138 & Regulations: 6.3		
1.0	Gross Station Heat Rate (Kcal/kWh)		GHR	2450
2.0	Specific fuel oil consumption (ml/kWh)		SFC	1.0
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	Annexure-II	LPSFI	0.046
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-II	CVSF	10
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-III	LPPF	1.569
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-III	CVPF	3001
7.0	Normative Limestone consumption (Kg/kWh)		LC	0
8.0	Wtd avg. landed price of limestone (Rupees/kg)		LPL	0
9.0	Normative auxiliary energy consumption (%)		AUX	8.5
10.0	Energy Charge Rate (Rs/kWh)	Reg. 4.33	ECR	1.445
ECR= ((GHR - SFC x CVSF) x LPPF/ CVPF + SFC X LPSFI + LC x LPL) x 100/(100 - AUX)				
11.0	Fuel Price Adjustment (Rs/kWh)		Rs/kWh	0.208
12.0	Monthly FPA Charge (Rupees)		Rs	499,85,028
Total FPA Charge= (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

D. Incentive		Regulations: 6.3	Rs	
				-

E. Monthly Energy Bill Amount (A+B+C+D)			Rs	
				5331,88,234

F. Reimbursements		T.O- Para. 134		
1.0	Electricity Duty	Annex- IV	Rs	114,52,865
2.0	Water Cess and Water Charges, Renewal Fees	Annex- V	Rs	57,27,906
3.0	Tax and Cess on Land	Annex- V	Rs	19,29,081
4.0	SOC and MOC for SLDC	Annex-V	Rs	2,70,469
5.0	ERPC Charges		Rs	-
6.0	Income Tax		Rs	-
7.0	ARR & Tariff Petition Fees		Rs	-
8.0	Others, if any (Joint meter reading)		Rs	-
9.0	Total Reimbursement Charges	Annex-V	Rs	10,00,000
			Rs	203,80,321

G. Delay Payment Surcharge		Annex-VI	Rs	
				117,12,224

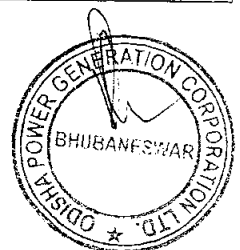
H. Total (E+F+G)			Rs	
				5652,80,779

NOTE:

- This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016.
- This invoice is without prejudice to our rights under Law.

For OPGC Ltd.

[Signature]
 Authorised Signatory



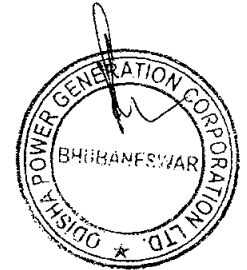
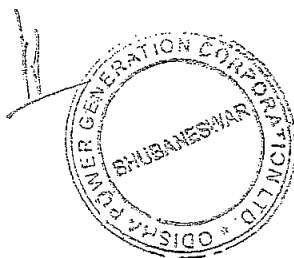
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Feb-18	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	434.98
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	142.00
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	142.00
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	142.00
7	Total oil receipt & in stock (1+6)	KL	576.977
8	Total Oil Consumed	KL	18.415
9	Oil in stock at the end of month	KL	558.56
10	Value of oil in stock (Landed cost of 1)	Rs	194,38,222
11	Amount charged by company	Rs	70,99,487
12	Adjustment (+/-) in Amount charged by Company	Rs	-
13	Total amount charged(11+12)	Rs	70,99,487.00
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demurrage charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	70,99,487.00
20	Avarage cost of oil(in stock+receipt)	Rs/KL	45,994
21	Cost of Oil in stock at the end of month	Rs	256,90,722
22	Weighted AVG Rate of oil fired	Rs/KL	45994.40
23	Weighted AVG GCV of oil fired	(Kcal/ltr)	10,000



10/2

Annex-111

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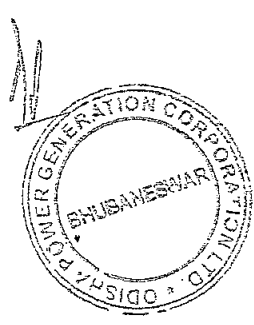
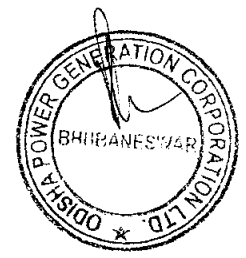
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Feb-18	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	65,209.40	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,01,642	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	2,01,642	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	403	
6	Net coal Supplied (4-5)	(MMT)	2,01,239	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	2,66,448	
8	Coal burnt/consumed	(MMT)	2,20,435	
9	Coal in stock at the end of the month	(MMT)	46,013	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	975,05,763	
11	Amount charged by the Coal Company	(Rs.)	3113,62,366	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
13	Total amount Charged (11+12)	(Rs.)	3113,62,366	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company inc. debit/credit note	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	16,23,819	
18	Total Transportation Charges (14+/-15+16+17)	(Rs.)	16,23,819	
18(A)	Others(Stone picking charges ,Loco drivers salary , SamplingCharges etc.)	(Rs.)	76,66,963	
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	3206,53,148	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	1,569.38	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	722,12,414	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	3001	



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PROVISIONAL INVOICE FOR THE MONTH OF MAR-2018

Invoice No : 12/2017-18

April 10, 2018

Name of Customer: M/s GRIDCO Ltd.
 Address: Janpath, Bhubaneswar-751022
 Fax: 0674-2543452
 Sub: Energy Bill towards power supply by OPGC (1&2) to GRIDCO for the Month of Mar-2018.
 GST No: 21AAACO4759R1ZZ

Sl No.	Particulars	Reference	
1.0	Date of presentation to the Designated Officer		April 10, 2018
2.0	Due date of payment		May 10, 2018
3.0	2% Rebate, if payment made by date		April 12, 2018
4.0	1% Rebate, if payment made by date		May 10, 2018
5.0	Late Charge Interest if Payment made after Date		May 10, 2018

DETAILS OF ENERGY SUPPLY DURING THE MONTH

1.0	Scheduled Energy for the Month for Energy Charge & FPA	Annexure-I	kWh	2538,78,915
2.0	Average Capacity supplied during the month to GRIDCO	Annexure-I	MW	341.24

Computation of Capacity Charge, Energy Charge, FPA and Incentive for the Billing Month

A. Capacity Charge Computation		TO Para- 138		
1.0	Plant Availability for the Month (As certified by SLDC)	Annexure-I		88.794%
2.0	Cumulative Availability up to current Month			74.781%
3.0	Capacity Charge as per the Tariff Order for the FY 2017-18		Rs	20752,00,000
4.0	Cumulative Capacity Charge up to current Month		Rs	- 18257,21,636
5.0	Cumulative Capacity Charge up to previous Month		Rs	16444,72,013
6.0	Capacity Charge for the Month		Rs	1812,49,623

B. Energy Charge Computation		TO Para- 138		
1.0	Energy Charge Rate as approved by OERC		Rs/kWh	1.237
2.0	Monthly Energy Charge (Rupees)		Rs	3140,48,218
Total Energy Charge = (ECR in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

C. Energy Charge Rate Computation for Fuel Price Adjustment (FPA)		TO Para- 138 & Regulations: 6.3		
1.0	Gross Station Heat Rate (Kcal/kWh)		GHR	2450
2.0	Specific fuel oil consumption (ml/kWh)		SFC	1.0
3.0	Wtd. Avg Landed price of Secondary fuel (Rs/ml) during the month	Annexure-I	LPSFI	0.046
4.0	Calorific value of secondary fuel (kCal/ml)	Annexure-II	CVSF	10
5.0	Wtd avg. landed price of primary fuel during the month (Rupees/kg)	Annexure-III	LPPF	2.040
6.0	Wtd. Avg. Gross calorific value of primary fuel as fired (kCal/Kg)	Annexure-III	CVPF	3105
7.0	Normative Limestone consumption (Kg/kWh)		LC	0
8.0	Wtd avg. landed price of limestone (Rupees/kg)		LPL	0
9.0	Normative auxiliary energy consumption (%)		AUX	8.5
10.0	Energy Charge Rate (Rs/kWh)	Reg. 4.33	ECR	1.802
ECR = ((GHR - SFC x CVSF) x LPPF / CVPF + SFC x LPSFI + LC x LPL) x 100 / (100 - AUX)				
11.0	Fuel Price Adjustment (Rs/kWh)		Rs/kWh	0.545
12.0	Monthly FPA Charge (Rupees)		Rs	1434,41,587
Total FPA Charge = (FPA in Rs/kWh) X (Scheduled Energy(ex-Bus) in kWh)				

D. Incentive		Regulations: 6.3	Rs	
				-

E. Monthly Energy Bill Amount (A+B+C+D)			Rs	6387,39,428

F. Reimbursements		T.O- Para. 134		
1.0	Electricity Duty	Annex- IV	Rs	157,31,320
2.0	Water Cess and Water Charges, Renewal Fees	Annex- V	Rs	51,73,592
3.0	Tax and Cess on Land		Rs	-
4.0	SOC and MOC for SLDC	Annex-VI	Rs	2,70,469
5.0	ERPC Charges		Rs	-
6.0	Income Tax	Annex-VII	Rs	500,00,000
7.0	ARR & Tariff Petition Fees		Rs	-
8.0	Others, if any (Additional claim wrt case no 35/2017)	Annex-VIII	Rs	670,03,748
9.0	Others, if any (Joint meter reading)	Annex-IX		
10.0	Total Reimbursement Charges		Rs	1381,79,129

G. Delay Payment Surcharge for the Month of Mar-18		Annex-X	Rs	114,61,337

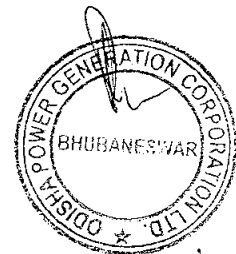
H. Total (E+F+G)			Rs	7883,79,893

NOTE:

- 1.0 This invoice is provisional in nature and is raised as per OERC Order dated 23/03/2017 in Petition No: 62/2016 & 35/2017
- 2.0 This invoice is without prejudice to our rights under Law.

For OPGC Ltd.

Authorised Signatory



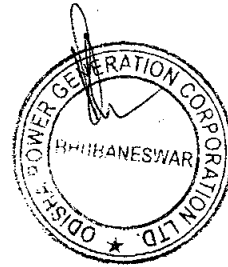
ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.NO	PARTICULARS	Mar-18	
		Unit	LDO
1	Quantity of Sec. Fuel oil(FO, HSD,LDO) in stock at the begning of the month	KL	558.562
2	Quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	
3	Adjustment (+/-) in quantity of Sec. Fuel oil(FO, HSD,LDO) supplied by company	KL	-
4	Gross Oil(FO, HSD,LDO) supplied by company(2+3)	KL	-
5	Normative/Transit Loss	KL	-
6	Net Oil(FO, HSD,LDO) supplied by company(4-5)	KL	-
7	Total oil receipt & in stock (1+6)	KL	558.562
8	Total Oil Consumed	KL	112.207
9	Oil in stock at the end of month	KL	446.36
10	Value of oil in stock (Landed cost of 1)	Rs	256,90,722
11	Amount charged by company	Rs	
12	Adjustment (+/-) in Amount charged by Company	Rs	(1,11,418)
13	Total amount charged(11+12)	Rs	-1,11,418.00
14	Transportation charges	Rs	-
15	Adjustment (+/-) in Transportation charges	Rs	-
16	Demurrage charges if any	Rs	-
17	Cost of diesel in transporting oil through MGR System if applicable	Rs	-
18	Total Transportation charges(14+15+/-16+17)	Rs	-
19	Total amount charged for oil including Transportation(13+18)	Rs	-1,11,418.00
20	Avarage cost of oil(in stock+receipt)	Rs/KL	45,795
21	Cost of Oil in stock at the end of month	Rs	204,40,793
22	Weighted AVG Rate of oil fired	Rs/KL	45794.92
23	Weighted AVG GCV of oil fired	(Kcal/tr)	10,000



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ODISHA POWER GENERATION CORPORATION LIMITED

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges for FPA

Name of the Utility / Company : GRIDCO Ltd.

Name of the Thermal Power Station:ITPS (1 & 2)

S.No	Month	Unit	For the Month of Mar-18	
			Domestic coal	Imported coal
1	2	3	4	5
1	Quantity of coal in stock at the beginning of the month	(MMT)	46,013.31	
2	Quantity of Coal supplied by Coal Company	(MMT)	2,14,146	
3	Adjustment (+/-) in quantity supplied made by Coal Company for diversion of wagons etc.	(MMT)		
4	Coal supplied by Coal Company (2+3)	(MMT)	2,14,146	
5	Normative Transit & Handling Losses (For coal based Projects)	(MMT)	428	
6	Net coal Supplied (4-5)	(MMT)	2,13,717	
7	Total Coal (Receipts & Opening Stock) (1)+(6)	(MMT)	2,59,731	
8	Coal burnt/consumed	(MMT)	2,26,440	
9	Coal in stock at the end of the month	(MMT)	33,291	
10	Value of coal in stock (Landed cost of 1)	(Rs.)	722,12,414	
11	Amount charged by the Coal Company	(Rs.)	3306,69,435	
12	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	1254,30,770	
13	Total amount Charged (11+12)	(Rs.)	4561,00,205	
14	Transportation charges by rail/ship/road transport	(Rs.)	-	
15	Adjustment (+/-) in amount charged made by Railways/Transport Company inc. debit/credit note	(Rs.)	-	
16	Demurrage Charges, if any	(Rs.)	-	
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	15,81,458	
18	Total Transportation Charges (14+15+16+17)	(Rs.)	15,81,458	
18(A)	Others (Stone picking charges, Loco drivers salary, Sampling Charges etc.)	(Rs.)		
19	Total amount Charged for coal supplied including Transportation (13+18+18A)	(Rs.)	4576,81,662	
20	Average cost of coal (Opening stock + receipts) (19+10)/7	(Rs/MMT)	2,040.17	
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)	679,18,631	
23	Weighted average GCV of coal as fired *TM Basis	(kCal/Kg)	3105	

