

2nd Amendment
to
Tender Document
for
Supply of Coal
for

Patuakhali 1320 (2x660) MW Coal Fired Thermal Power Plant
(Tender Document Ref.: PUR-007(CS/PATUAKHALI/OTM)/2023-24, 06.11.2024)

Reference No.: RNPL/1320/2024/1678

Date: 28 December, 2024



RPCL-NORINCO INTL POWER LIMITED

S/N	Tender Document Reference	Existing Provision	Amendment
Section 2: Tender Data Sheet			
1	Page 36 TDS 14.1(b)	<p>The minimum specific experience as Supplier in supply of Coal shall be:</p> <p>The Tenderer should be a coal mine owner or holding company of a coal mine owner or a trader and should have exported, a minimum total quantity of 8 (Eight) million MT of coal to power plant, during the past 5 (Five) years, reckoned from the date of opening of Technical Offer.</p> <p>As supporting document, Tenderer will have to submit bill of lading accompanied with commercial invoice of each shipment/end user certificate with mentioned delivery quantity issued by Purchaser to match the required supply experience.</p>	<p>The minimum specific experience as Supplier in supply of Coal shall be:</p> <p>The Tenderer should be a coal mine owner or holding company of a coal mine owner or a trader and should have exported, a minimum total quantity of 8 (Eight) million MT among which at least 5 (Five) million MT of coal to power plant, during the past 5 (Five) years, reckoned from the date of opening of Technical Offer.</p> <p>As supporting document, Tenderer will have to submit bill of lading accompanied with commercial invoice of each shipment/end user certificate with mentioned delivery quantity issued by Purchaser to match the required supply experience.</p>
2	Page 36 TDS 14.1(c)	<p>The minimum supply and/or production capacity of Coal is/ are:</p> <p>The average annual production capacity of the coal mine over the last 5 (Five) years reckoned from the date of opening of Technical Offer, should be minimum 10 million MT.</p> <p>As supporting document, Tenderer will have to submit a declaration letter from coal mine in the format provided in Attachment 2, Form PG4-2, Section 5: Tender and Contract Forms.</p> <p>As a complementary to coal mine's production capacity, the recoverable reserve of the coal mine should be a minimum quantity of 25 (Twenty-Five) million MT.</p> <p>As supporting document, Tenderer will have to submit a declaration letter from coal mine in the</p>	<p>The minimum supply and/or production capacity of Coal is/ are:</p> <p>The average annual production capacity of the coal mine over the last 5 (Five) years reckoned from the date of opening of Technical Offer, should be minimum 7 million MT.</p> <p>As supporting document, Tenderer will have to submit a declaration letter from coal mine in the format provided in Attachment 2, Form PG4-2, Section 5: Tender and Contract Forms.</p> <p>As a complementary to coal mine's production capacity, the recoverable reserve of the coal mine should be a minimum quantity of 18 (Eighteen) million MT.</p> <p>As supporting document, Tenderer will have to submit a declaration letter from coal mine in the</p>

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		format provided in Attachment 2, Form PG4-2, Section 5: Tender and Contract Forms with attached recoverable Reserve report of the coal mine needs to be submitted. The Report should reflect the recoverable reserve information of the coal mine and should not be more than five (5) years old reckoned from the date of opening of Technical Offer .	format provided in Attachment 2, Form PG4-2, Section 5: Tender and Contract Forms with attached recoverable Reserve report of the coal mine needs to be submitted. The Report should reflect the recoverable reserve information of the coal mine and should not be more than five (5) years old reckoned from the date of opening of Technical Offer .
3	Page 40 ITT 66.2	The amount of Performance Security shall be USD 10,000,000.00 (US Dollar Ten Million Only) or equivalent Taka on the date of claim..	The amount of Performance Security shall be 10% of the cost of one year Minimum Delivery Year Quantity (1.3 Million MT). The amount shall be in USD or equivalent Taka on the date of claim.
Section 4: Particular Conditions of Contract			
5	Page 81 PCC 27.1.8.3	<p>Total Sulphur Content</p> <p>If the actual total sulphur content of a Shipment as stated in the Loading Port Laboratory's Certificate of Analysis ("Actual TS") is greater than the Base Value for Total Sulphur (by weight ARB), i.e. 0.70%, the price per Tonne for the Shipment shall, in accordance with PCC 25.1.3, be decreased by an amount calculated in accordance with the following formula:</p> $P_{TS} = (\text{U.S.}\$ 3.00/\text{Tonne}) \times (\text{Actual TS} - 0.70\%) \times 100$ <p>There shall be no adjustment if the Actual TS (As Received Basis) is less than or equal to 0.70%.</p>	<p>Total Sulphur Content</p> <p>If the actual total sulphur content of a Shipment as stated in the Loading Port Laboratory's Certificate of Analysis ("Actual TS") is greater than the Base Value for Total Sulphur (by weight ARB), i.e. 0.80%, the price per Tonne for the Shipment shall, in accordance with PCC 25.1.3, be decreased by an amount calculated in accordance with the following formula:</p> $P_{TS} = (\text{U.S.}\$ 3.00/\text{Tonne}) \times (\text{Actual TS} - 0.80\%) \times 100$ <p>There shall be no adjustment if the Actual TS (As Received Basis) is less than or equal to 0.80%.</p>
Section 5: Tender and Contract Forms			
13	Page 123-Page 125 Price Schedule for Goods (Form PG4-3B)	Price Schedule for Goods (Form PG4-3B)	See Annex-1
14	Page 128-Page 129 Specifications Submission and Compliance Sheet (Form PG4-4)	Specifications Submission and Compliance Sheet (Form PG4-4)	See Annex-2



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Section 7: Technical Specifications

Page 163-Page 164 Article 1 Coal Quality Specifications	Article 1 Coal Quality Specifications	See Annex-3
Page 165 Article 2 Coal Quality Rejection Limits	Article 2 Coal Quality Rejection Limits	See Annex-4
Page 167 Article 4 SAMPLE CALCULATIONS FOR PRICE ADJUSTMENTS FOR COAL QUALITY VARIATIONS	Article 4 SAMPLE CALCULATIONS FOR PRICE ADJUSTMENTS FOR COAL QUALITY VARIATIONS	See Annex-5

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Price Schedule for Goods (Form PG4-3B)
[Group B Tenders: Goods Manufactured/produced outside Bangladesh, to be imported]

Invitation for Tender No:
Tender Package No:

Date:

To
Company Secretary
RPCL-NORINCO INTL POWER LIMITED
Asian Tower, 10th Floor, House # 52, Road # 21, Nikunja 2, Khilkhet,
Dhaka 1229, Bangladesh

Dear Sir,

With reference to our Financial Offer No.[Reference No. of Financial Offer Submission Letter] Dated.....[Date of Financial Offer Submission Letter]... submitted against Tender Document for Supply of Coal for Patuakhali 1320 (2x660) MW Coal Fired Thermal Power Plant (Tender Document No.: PUR-007(CS/PATUAKHALI/OTM)/2024-25 Date: 06.11.2024), we hereby declare according to the ITT 23 that, for our proposed coal,

1. We hereby quote the following as our Tender Price, considering the complete scope of work, specifications and terms and conditions of the Tender Document for the Coal, having base parameters specified at sl. no. 4 below and in other sections of the Tender Document, for supply of coal thereof on FOBT basis, delivered at Coal Loading Port (CLP) for Patuakhali 1320 (2x660) MW Coal Fired Thermal Power Plant. We declare that the Tender Price (P) in USD/MT shall include not limited to the FOBT price of Coal, logistics in the source country, port charges, stevedoring, and loading the Vessel at the Coal Loading Port, taxes, duties, levies in the Coal source country.
2. Tenderer is requested to submit the Tender Price (P) linked to Argus Media Indonesian Coal Index (ICI). The Tender Price shall be submitted linked to ICI-3 Index-5000 GAR.

Tenderer will express the Tender Price in United States Dollar (USD).

Tender Price (in USD/MT): $P = ICI-3 + F$

Where,

ICI-3: Value of ICI-3, 5000 GAR published by Argus Media on last Friday 28 (twenty-eight) days prior to the date of opening of technical offer.

Price Factor (F): Tenderer to provide plus or minus figure as Price Factor (F) which shall be applicable to derive Tender Price before unconditional discount. For example, if "F" is premium of \$1 then please mention it as "plus \$1.00" and if it is discount of \$1 then please mention it as "minus \$1.00".



SI No.	Description	Tender Price (P) (USD/MT)	ICI3 Price (USD/MT)	Price Factor (F) (USD/MT)	Country of Origin of Coal
1.	Tender Price (P) for Supply of Coal for Patuakhali 1320 (2x660) MW Coal Fired Thermal Power Plant before unconditional discount	[In Figures].....			
		[In Words].....			

3. We hereby offer an unconditional discount on the Tender Price quoted under sl no.2 above:

SI No.	Description	Price (USD/MT)
1.	unconditional discount on the Tender Price quoted under sl no.2 above:	[In Figures]..... [In words].....

4. We hereby confirm that for quoting the Tender Price (P) in the Financial Offer, we have considered the following Coal Quality Base Specifications and values thereof as per ITT 23, besides other Coal quality parameters specified in the Tender Document:

No.	Parameter	Units	Base Specifications
1	Gross Calorific Value As Received Basis	Kcal/kg	5000
2	Total Moisture As Received Basis	%	28
3	Total Ash As Received Basis	%	9
4	Volatile Constituent Air Dried Basis	%	38.58
5	Total Sulfur As Received Basis	%	0.80
6	HGI		54
7	Ash Fusion Temperature (Reducing Initial Deformation)	°C	1320
8	Ash Fusion Temperature (Reducing Spherical)	°C	1380
9	Coal particles below 2mm	%	25.00

5. We hereby confirm that for quoting the Tender Price (P) in this Financial Offer, we have considered the reference index [... name of the reference index...] of date [... d/m/y...] which is last Friday 28 (Twenty-Eight) days prior to the date of opening of **Technical Offer**. Relevant supporting document of reference index is attached.
6. We hereby confirm that for the purpose of adjustment, reference indices shall be in line with the stipulations of the Tender Document.
- We hereby confirm that the Tender Price (P) shall be inclusive of, and not subject to any



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increase as a result of, all costs and expenses arising in the production, transport to the Loading Port, sale, delivery to and loading on board the relevant Vessel, and Trimming of the relevant Vessel, as well as all Taxes that any Government Instrumentality of the Country of Origin may impose on the sale or purchase of any Shipment to or by the Purchaser or on the Supplier in relation to any of the foregoing.

8. We agree to abide by this Financial Offer for a period 150 days from the date of opening of Technical Offer as stipulated in the Tender Document, unless otherwise extended, and it shall remain binding on us and may be accepted by you at any time before the expiration of the stipulated period.
9. Until a formal Contract is prepared and executed between us, this offer, together with your written acceptance thereof in the form of your Notification of Award, shall constitute a binding contract between us.
10. We understand that you are not bound to accept the lowest or any other offer you may receive.

Attachment:

1. Attachment PG4-3B_1: Supporting Document of Reference Index on last Friday 28 (Twenty-Eight) days prior to the date of opening of **Technical Offer**.

Tender's Programme No.	Coal Quality Parameter/Unit	Description	Unit
Date:		(Signature)	
		(Printed Name)	
		(Designation)	
		(Company Seal)	
	Min 4800		g/kWh
	Max 32.2		%
	Max 13.6		%
	Min 30.8		%
	Max 43		%
	Max 0.9		%
	Min 48		Points
	Min 1240		°C
	Min 1280		°C
	Max 38		%
	Max 10		%
	Over 300mm is not allowed		mm
	Max 25		%
	Max 45		%
	Min 45		%



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Specifications Submission and Compliance Sheet (Form PG4-4)

Invitation for Tender No:

Date:

Tender Package No:

To
 Company Secretary
 RPCL-NORINCO INTL POWER LIMITED
 Asian Tower, 10th Floor, House # 52, Road # 21, Nikunja 2, Khilkhet,
 Dhaka 1229, Bangladesh

Dear Sir,

With reference to our Technical Offer No.[Reference No. of Technical Offer Submission Letter] Dated.....[Date of Technical Offer Submission Letter]...submitted against Tender Document for Supply of Coal for Patuakhali 1320 (2×660) MW Coal Fired Thermal Power Plant(Tender Document No.: PUR-007(CS/PATUAKHALI/OTM)/2024-25 Date: 06.11.2024), we hereby submit the following coal specification as per requirement of Section 6: Schedule of Requirements:

Proposed Coal Specification

SL No	Description	Coal Quality Rejection Limit	Tenderer's Proposed Typical Value
1	Gross Calorific Value As Received Basis	Kcal/kg	Min. 4800
2	Total Moisture As Received Basis	%	Max. 32.2
3	Total Ash As Received Basis	%	Max. 12.6
4	Approx. Analysis Volatile Constituent As Dried Basis	%	Min. 20 & Max. 43
5	Total Sulfur As Received Basis	%	Max. 0.9
6	HGI	Points	Min. 48
7	Ash Fusion Temperature (Reducing Initial Deformation)	°C	Min. 1240
8	Ash Fusion Temperature (Reducing Spherical)	°C	Min. 1280
9	Coal Size below 2mm	%	Max. 35
10	Coal Size above 50mm	%	Max. 10 Over 300mm is not allowed
11	Approx. Analysis Resi. Moisture Air Dried Basis	%	Max. 25
12	Approx. Analysis Fixed Carbon Air Dried Basis	%	Max. 45
13	Ultimate Analysis Carbon (Dry, Ash free)	%	Min. 45



SL No	Description		Coal Quality Rejection Limit	Tenderer's Proposed Typical Value
14		Hydrogen (Dry, Ash free)	Max. 3.64	
15		Oxygen (Dry, Ash free)	Max. 13.19	
16		Nitrogen (Dry, Ash free)	Max. 0.86	
17	Ash Analysis	SiO ₂ (Dry basis)	Max. 70.97	
18		Al ₂ O ₃ (Dry basis)	Max. 19.92	
19		TiO ₂ (Dry basis)	Max. 0.80	
20		Fe ₂ O ₃ (Dry basis)	Max. 8	
21		CaO (Dry basis)	Max. 4.49	
22		MgO (Dry basis)	Max. 1.63	
23		Na ₂ O+0.66*K ₂ O (Dry basis)	Max. 2.45	
24		Others (Dry basis)	Max. 5.06	

We declare that each of the above items shall be determined in accordance with the appropriate American Society for Testing and Materials standards as stated in GCC 32.1.

As the supporting document of the above-proposed coal specifications, the signed lab analysis reports of 3 shipments within last one (1) year reckoned from the date of opening of technical offer are attached here in Attachment PG4-4_1.

We acknowledge that, for evaluation purpose, in the event of any disparity between the above-proposed coal specification and the results from laboratory analysis as per attachment, the value that confers less advantage to the tenderer during the evaluation process will prevail.

We also acknowledge that, if awarded, we are committed to supply the coal maintaining the above proposed coal specification (SI No 1-24) throughout contact term and if we fail to supply as per the above proposed coal specification, the Purchaser shall have **Right to Reject** the coal.

We also acknowledge that, in case, the sample of the attached lab analysis reports has not been taken from the proposed coal mine or the name of the proposed coal mine is not mentioned as source of sample in the attached lab analysis reports, the lab analysis reports will be considered as invalid and the tender could be rejected.

We also acknowledge that, the lab analysis reports will be considered as invalid and the tender could be rejected, in case, the sample of the attached lab analysis reports has not been issued by the following duly licensed independent and renowned laboratory as below:

- i. PT. Anindya Wiraputra Konsult
- ii. PT Geoservices Indonesia
- iii. PT Leon Testing and Consulting Indonesia
- iv. Bureau Veritas
- v. Sucofindo
- vi. SGS



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Attachments:

1. Attachment PG4-4_1 : Signed Lab Analysis Reports of Proposed Coal Specifications.
2. Attachment PG4-4_2: Commitment Letter from Coal Mine regarding Coal Particle Size

Date: (Signature)
(Printed Name)
(Designation)
(Company Seal)

[The Tenderer should complete all the columns as required]



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Article 1 Coal Quality Specification

[Coal should be supplied from a single Coal mine ONLY. Blended coal is strictly forbidden and shall result in rejection of the Offer.]

Parameters		Basis		Typical	Minimum	Maximum
Gross Calorific Value		As received basis	Kcal/kg		4800	
Total Moisture		As received basis	%			32.2
Approx. Analysis	Ash content	As received basis	%			12.6
	Volatile Matter	Air dried basis	%		20	43
Total Sulphur		As received basis	%			0.9
HGI			Points		48	
Ash Fusion Temperature (Reducing Initial Deformation)			°C		1240	
Ash Fusion Temperature (Reducing Spherical)			°C		1280	
Coal Size below 2mm			%			35.00
Coal Size above 50mm			%			10.00 (over 300 mm is not allowed)
Approx. Analysis	Inherent Moisture	Air dried basis	%			25
	Fixed Carbon	Air dried basis	%			45
Ultimate Analysis	Carbon	Dry, Ash free	%		45	
	Hydrogen	Dry, ash free	%			3.64
	Oxygen	Dry, ash free	%			13.19
	Nitrogen	Dry, ash free	%			0.86
Ash Analysis	SiO ₂	Dry basis	%			70.97
	Al ₂ O ₃	Dry basis	%			19.97
	TiO ₂	Dry basis	%			0.80
	Fe ₂ O ₃	Dry basis	%			8
	CaO	Dry basis	%			4.49
	MgO	Dry basis	%			1.63
	Na ₂ O+0.66* K ₂ O	Dry basis				2.45
	Others	Dry basis				5.06
Ultimate Analysis	Chlorine	Dry basis	%			
	Phosphorus	Dry basis	%			



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Parameters		Basis		Typical	Minimum	Maximum
	Oxygen	Dry basis	%		13.19	
	Others	Dry basis	%			
Ash Fusion Temperature	Hemispherical Temperature		Deg C			
	Flow Temperature		Deg C			
Gross Calorific Value		Air dried basis	Kcal/kg			
Net Calorific Value		As received basis	Kcal/kg			
<u>Other Elements in Ash</u>						
Ash Analysis	Na ₂ O	Dry basis	%			
	K ₂ O	Dry basis	%			
	SO ₃	Dry basis	%			
	P ₂ O ₅	Dry basis	%			
	Mn ₃ O ₄	Dry basis	%			
<u>Trace Elements</u>						
Antimony (Sb)		Air dried basis	ppm			
Arsenic (As)		Air dried basis	ppm			
Boron (B)		Air dried basis	ppm			
Cadmium (Cd)		Air dried basis	ppm			
Chlorine (Cl)		Air dried basis	ppm			
Chromium (Cr)		Air dried basis	ppm			
Cobalt (Co)		Air dried basis	ppm			
Copper (Cu)		Air dried basis	ppm			
Fluorine (F)		Air dried basis	ppm			
Lead (Pb)		Air dried basis	ppm			
Manganese (Mn)		Air dried basis	ppm			
Mercury (Hg)		Air dried basis	ppm			
Nickel (Ni)		Air dried basis	ppm			
Phosphorus (P)		Air dried basis	ppm			
Selenium (Se)		Air dried basis	ppm			
Thallium (Ti)		Air dried basis	ppm			
Vanadium (V)		Air dried basis	ppm			
Zinc (Zn)		Air dried basis	ppm			



Article 2 Coal Quality Rejection Limits

No.	Parameter	Units	Base Specifications	Coal Quality Rejection Limits
1	Gross Calorific Value As Received Basis	kcal/kg	5000	Below 4800
2	Total Moisture As Received Basis	%	28	Above 32.2
3	Total Ash As Received Basis	%	9	Above 12.6
4	Volatile Constituent Air Dried Basis	%	38.58	Below 20 or Above 43
5	Total Sulfur As Received Basis	%	0.80	Above 0.90
6	HGI		54	Below 48
7	Ash Fusion Temperature (Reducing Initial Deformation)	°C	1320	Below 1240
8	Ash Fusion Temperature (Reducing Spherical)	°C	1380	Below 1280
9	Coal particles below 2mm	%	25.00	Above 35.00



Article 4 SAMPLE CALCULATIONS FOR PRICE ADJUSTMENTS FOR COAL QUALITY VARIATIONS

If Coal from any Shipment fails to comply with the Coal Quality Rejection Limits, the Purchaser shall have the right to reject the Shipment according to Clause 5.1.1 of Article 5 of Section 6: Schedule of Requirements or accepts delivery of such Shipment subject to price adjustment according to Clause 5.2.1 of Article 5 of Section 6: Schedule of Requirements.

- **Price Adjustment for gross calorific value where Actual GCV is greater than or less than 5000 Kcal/kg (GAR)**

$$P_{GCV} = P_n \times [(Actual\ GCV - 5000) / 5000]$$

If Actual GCV < 5000 (but >4800), e.g., 4900, $P_{GCV} = \$70.00 \times (4900 - 5000) / 5000 = -\1.400 /Tonne

If Actual GCV >5000, e.g. 5150, $P_{GCV} = \$70.00 \times (5150 - 5000) / 5000 = \2.100 /Tonne

- **Price Adjustment for total moisture where Actual TM is more than 28% by weight (ARB) and thus in breach of the relevant Coal Quality Rejection Limit, then,**

$$P_{TM} = P_n \times [(Actual\ TM - 28\%) / (1 - 28\%)]$$

If Actual TM \geq 28%, e.g. 28.3%, $P_{TM} = \$70.00 \times [(0.283 - 0.280) / (1 - 0.280)] = \0.292 /Tonne,

If Actual TM < 28%, $P_{TM} = \$0.00$ / Tonne

- **Price Adjustment for total sulphur content where Actual TS is more than 0.70% by weight (ARB)**

$$P_{TS} = (U.S.\$3.00/Tonne) \times (Actual\ TS - 0.80\%) \times 100$$

If Actual TS is \geq 0.80% (but \leq 0.90%), e.g. 0.86%, $P_{TS} = \$3.00 \times (0.86\% - 0.80\%) \times 100 = \0.18 / Tonne

If Actual TS < 0.80%, $P_{TS} = \$0.00$ / Tonne

- **Price Adjustment for total ash where Actual TA is more than 9% by weight (ARB)**

$$P_{TA} = (US\$ 0.30 /Tonne) \times (Actual\ TA - 9\%) \times 100$$

If Actual TA \geq 9% (but is \leq 12.60%), e.g. 10.0%, $P_{TA} = \$0.30 \times (10.0\% - 9\%) \times 100 = \0.300 / Tonne

If Actual TA < 9%, $P_{TA} = \$0.00$ / Tonne

Note: P_n is the Base Price per Tonne for the Shipment n , before adjustment for quality variations and is determined in accordance with GCC 25 and PCC 25.1.3. In sample calculations above, P_n is assumed to be U.S.\$70.00/Tonne.

