

## Payra Thermal Power Plant (2 x 660MW)

### Pre-Bid Clarification No. 1

No	Clause No. from Tender documents	Statement	Clarification	Reply by Owner
1	Volume 2 of 4 - Employer's Requirements, Section 5, Chapter 9, page 2, 9.2.2 LIMESTONE HANDLING SYSTEM	one (1) closed limestone stock yard, consisting of 1 longitudinal limestone storage, with a minimum capacity of ninety (90) days of total supply (BMCR operation with high sulphur coal), including dewatering system and limestone runoff pond	the capacity of limestone storage should be forty (40) days, which is the same with that of Chapter 23, page 1, ABSORBENT PREPARATION SYSTEM	Accepted. Refer Amendment 1.
2	Volume 2 of 4 - Employer's Requirements, Section 5, Chapter 9, page 27, 9.3.3.1 LIMESTONE YARD EQUIPMENT	The limestone yard shall have sufficient storage capacity for ninety (90) days of operation (total storage) at full load (i.e. 100% BMCR with high sulphur coal)	the capacity of limestone storage should be forty (40) days, which is the same with that of Chapter 23, page 1, ABSORBENT PREPARATION SYSTEM.	Accepted. Refer Amendment 1.
3	Volume 2 of 4 - Employer's Requirements, Section 5, Chapter 9, page 44-45, 9.3.5.24 SILO VENT FILTER 9.3.5.25 SILO VENT FILTER FAN 9.3.5.27 VACUUM/PRESSURE RELIEF DEVICE	An air pulse, self-cleaning, bag type vent filter shall be provided for the bottom ash silo. Air jet cleaning of filter bags shall be continuous while the dust collector is in operation. Bags and bag cleaning system shall be of a type having a minimum of 3 year average bag life before replacement in similar service. One (1) spare bag shall be provided for each 10 bags furnished. Each blow pipe shall have a positive means of alignment and coupling. Interstitial or rising velocities shall be limited to 2 m/s. Interstitial velocity shall be calculated by taking the total Bangladesh-China Power Company (Pvt.) Limited (BCPCL) Bulk Material Handling Section 5 Page 45 Chapter 9 Payra Power Plant (2 x 660MW) collector air flow divided by the following: (the collector cross-sectional area, minus inlet plenum or baffle area for high inlet, minus the cross-sectional area of the bags) times 60. Each bottom ash silo bin vent filter shall be equipped with a vent fan to prevent the bottom ash silo from becoming pressurized. A vacuum/pressure or negative pressures.	In this project, the slag handling system adopts wet type, so the slag storage is not required to set up the ventilation filter, filter the dust blower, vacuum pressure release valve and dry discharge machine.	Since requirement of bottom ash handling system is changed from Wet system to Dry system these statements are not applicable.  Refer Amendment 1 for details.
4	Volume 4 of 4 - Attachments , Attachment C, page 2, 6.3 PROCESS DESCRIPTION	Two methods will be provided to discharge the ash from the bottom ash silo, a motor-operated telescoping discharge chute and ash conditioners. One dry telescoping bottom ash load out station will be provided as the primary means of saleable ash unloading from the silo. The spout will consist of silo isolation gates, ash metering valves...	In this project, the slag handling system adopts wet type, and slag discharge from ash silo only adopts wet type, besides there is not backup here, therefore, in this section the descriptions of dry and wet two unloading manners is inconsistent.	Since requirement of bottom ash handling system is changed from Wet system to Dry system these statements are not applicable.  Refer Amendment 1 for details.
5	Volume 2 of 4 - Employer's Requirements, Section 5, Chapter 6, page 15, 6.8 PLANT BATTERY	The plant battery shall be sized to safely shut down the power plant upon loss of all AC power, and supply essential DC loads for a minimum of 240 minutes, or as required by the steam turbine equipment, whichever is longer.	120 minutes for DC loads is enough while lost AC supply.	As per Bidding Document

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6	Volume 2 of 4 - Employer's Requirements, Section 5, Chapter 11, page 1, 11.1 MAJOR TECHNICAL CONDITIONS	The boiler shall be of advanced design and shall be based on ultra-supercritical once-through boiler of sliding-pressure operation, single reheat, tangential coal firing, balanced draft, outdoor arrangement, wet ash extraction, all-steel suspension structures.	Both opposite coal firing and tangential coal firing are reliable with same efficiency for 660MW unit, there are little difference. They are just decided by boiler type. Please confirm both opposite coal firing and tangential coal firing are suitable.	As per Bidding Document												
7	Volume 2 of 4 - Employer's Requirements, Section 5 Chapter 10 Page 3 Steam Turbine	4) Unit power: The steam turbine should ensure the power unit has the power of 660MW at the working condition of turbine rated load (TRL) with the mean back pressure of 11.8kPa(a) (indicative); the steam turbine should ensure the power unit reaches the maximum continuous power value at the working condition of TMCR.	4) Unit power: The steam turbine should ensure the power unit has the power of 660MW at the working condition of TMCR.	Refer Amendment 1 for definition of MCR and TMCR.												
8	/	/	What's the requirement of the boundary wall, such as the height and structural type?	Boundary wall (flood protection bund) is not in the scope of Contractor												
9	/	/	Whether the access road is in the scope of the power plant? How long the access road?	Refer Amendment 1 (drawing no. 10-PM-PAY-01)												
10	Volume 2 of 4 - Employer's Requirements, Section 5, Chapter 6, page 2, 6.3 switchgear	The 6.6kV Unit Auxiliary Switchboards shall be interconnected to enhance reliability.6.6KV	Each 6.6kV unit auxiliary switchboard are powered by UAT and S/ST, 6.6kV switchboard interconnection is not necessary.	As per Bidding Document												
11	Volume 2 of 4 - Employer's Requirements, Section 5, Page 319, Clause 8.3 DESIGN WATER QUALITY	River water shall be supplied by the Contractor for once through condenser cooling water and electro chlorination feed.	1.What is the exact cooling water system? Once through or recirculating with cooling tower? The description here contradict to section 5 chapter 36.2, "For the unit capacity of 2 x 660MW, a recirculating cooling water system with cooling tower shall be considered."	This is not applicable. Refer Amendment -1 for details.												
12	Volume 1 of 4 - Bidding Procedures, Section 3, Page 43, Clause 5.3.1 Historical Financial Performance	5.3.1 Historical Financial Performance Submission of audited balance sheets or, if not required by the law of the Bidder's country, other financial statements acceptable to the Employer, for the last five (5) years to demonstrate the current soundness of the Bidder's financial position and its prospective long-term profitability. As the minimum requirement, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.	<p><b>5.3.1 → Historical Financial Performance</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Submission of audited balance sheets or, if not required by the law of the Bidder's country, other financial statements acceptable to the Employer, for the last five (5) years to demonstrate the current soundness of the Bidder's financial position and its prospective long-term profitability.</td> <td style="width: 10%; text-align: center; padding: 2px;">must-meet- requirement</td> <td style="width: 10%; text-align: center; padding: 2px;">not- applicable</td> <td style="width: 10%; text-align: center; padding: 2px;"><del>must-meet- requirement</del></td> <td style="width: 10%; text-align: center; padding: 2px;"><del>not- applicable</del></td> <td style="width: 10%; padding: 2px;">Form-FIN - 1 with attachments</td> </tr> <tr> <td style="padding: 2px;">As the minimum requirement, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.</td> <td></td> <td></td> <td style="text-align: center; padding: 2px;"><del>not- applicable</del></td> <td style="text-align: center; padding: 2px;"><del>must-meet- requirement</del></td> <td></td> </tr> </table>	Submission of audited balance sheets or, if not required by the law of the Bidder's country, other financial statements acceptable to the Employer, for the last five (5) years to demonstrate the current soundness of the Bidder's financial position and its prospective long-term profitability.	must-meet- requirement	not- applicable	<del>must-meet- requirement</del>	<del>not- applicable</del>	Form-FIN - 1 with attachments	As the minimum requirement, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.			<del>not- applicable</del>	<del>must-meet- requirement</del>		As per Amendment -1.
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13	Volume 1 of 4 - Bidding Procedures, Section 3, Page 43, Clause 5.3.2 Average Annual Turnover	5.3.2 Average Annual Turnover Minimum average annual turnover of USD 1 billion calculated as total certified payments received for contracts in progress or completed, within the last five (5) years.	<p><b>5.3.2 → Average Annual Turnover</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Minimum average annual turnover of USD 1 billion calculated as total certified payments received for contracts in progress or completed, within the last five (5) years.</td> <td style="width: 10%;">must meet requirement</td> <td style="width: 10%;">must meet requirement</td> <td style="width: 10%; text-align: center;"><del>must meet</del> 25% <del>of the</del> requirement <del>not applicable</del></td> <td style="width: 10%; text-align: center;"><del>must meet</del> 40% <del>of the</del> requirement <del>must meet</del> requirement</td> <td style="width: 10%;">Form FIN - 2</td> </tr> </table>	Minimum average annual turnover of USD 1 billion calculated as total certified payments received for contracts in progress or completed, within the last five (5) years.	must meet requirement	must meet requirement	<del>must meet</del> 25% <del>of the</del> requirement <del>not applicable</del>	<del>must meet</del> 40% <del>of the</del> requirement <del>must meet</del> requirement	Form FIN - 2	As per Amendment -1.
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14	Volume 1 of 4 - Bidding Procedures, Section 3, Page 43, Clause 5.3.3 Prevailing Financial Resources	5.3.3 Prevailing Financial Resources Using Forms FIN – 3 and FIN - 4 in Section 4(Bidding Forms) the Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, available lines of credit, and other financial means, other than any contractual advance payments to meet: (1) the following cash-flow requirement, USD500 million, and (2) the overall cash flow requirements for this contract and its current works commitment.	<p><b>5.3.3 → Prevailing Financial Resources</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Using Forms FIN – 3 and FIN - 4 in Section 4 (Bidding Forms) the Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, available lines of credit, and other financial means, other than any contractual advance payments to meet: (1) the following cash-flow requirement, USD500 million, and (2) the overall cash flow requirements for this contract and its current works commitment.</td> <td style="width: 10%;">must meet requirement</td> <td style="width: 10%;">must meet requirement</td> <td style="width: 10%; text-align: center;"><del>must meet</del> 25% <del>of the</del> requirement <del>not applicable</del></td> <td style="width: 10%; text-align: center;"><del>must meet</del> 40% <del>of the</del> requirement <del>must meet</del> requirement</td> <td style="width: 10%;">Form FIN - 3</td> </tr> </table>	Using Forms FIN – 3 and FIN - 4 in Section 4 (Bidding Forms) the Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, available lines of credit, and other financial means, other than any contractual advance payments to meet: (1) the following cash-flow requirement, USD500 million, and (2) the overall cash flow requirements for this contract and its current works commitment.	must meet requirement	must meet requirement	<del>must meet</del> 25% <del>of the</del> requirement <del>not applicable</del>	<del>must meet</del> 40% <del>of the</del> requirement <del>must meet</del> requirement	Form FIN - 3	As per Amendment -1.
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15	Volume 1 of 4 - Bidding Procedures, Section 3, Page 44, Clause 5.4.1 General Experience	5.4.1 General Experience Experience under contracts in the role of contractor, subcontractor, or management contractor for at least the last ten (10) years prior to the bid submission deadline.	<p><b>5.4.1 → General Experience</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Experience under contracts in the role of contractor, subcontractor, or management contractor for at least the last ten (10) years prior to the bid submission deadline.</td> <td style="width: 10%;">must meet requirement</td> <td style="width: 10%;">not applicable</td> <td style="width: 10%; text-align: center;"><del>must meet</del> requirement <del>not applicable</del></td> <td style="width: 10%; text-align: center;"><del>not applicable</del> <del>must meet</del> requirement</td> <td style="width: 10%;">Form EXP - 1</td> </tr> </table>	Experience under contracts in the role of contractor, subcontractor, or management contractor for at least the last ten (10) years prior to the bid submission deadline.	must meet requirement	not applicable	<del>must meet</del> requirement <del>not applicable</del>	<del>not applicable</del> <del>must meet</del> requirement	Form EXP - 1	As per Amendment -1.
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16	Volume 1 of 4 - Bidding Procedures, Section 4, Page 91, Form ELI-1: Bidder Information Sheet	Form ELI-1: Bidder Information Sheet IFB No.	Please confirm whether the IFB No. is the same with ICB No. in Section 2 - Bid Data Sheet, ITB 1.1.	Yes both are same.						
17	Volume 3 of 4 - COC and COF, Section 8, Page 17, Appendix 6 - Scope of Works and Supply by the Employer		Please confirm who will supply the pulverized lime from overall start-up to the Final Acceptance	Lime will be supplied by Employer. Equipment for pulverizing shall be supplied by Contractor as per specifications.						
18	Volume 1 of 4 - Bidding Procedures, Section 3, Page 14	Bidder shall submit Original Certificate as per Form EXP-2(a) and EXP-2(b) in Section 4 (Bidding Form) from End-user pursuant to the criteria stipulated above.	We suggest to rectify this sentence as follows: Bidder shall submit Certificate as per Form EXP-2(a) and EXP-2(b) in Section 4 (Bidding Form) from End-user pursuant to the criteria stipulated above.	As per Bidding Document						