

EPC PACKAGE FOR WASTE TO ENERGY PROJECT (2X350 TPD) FOR KAWAS GAS POWER STATION

Bidding Document No.: CS-2600-001-9

Errata No. 02 to Bidding Documents

S. No.	Clause Reference	Amendment	
		Existing	Amended (to be read as)
1	Section-VII, Book 1 of 3 Attachment 3A-5 Page 3 of 5	a) Copies of unaudited unconsolidated financial statements of the bidder alongwith copies...	a) Copies of unaudited unconsolidated financial statements of our Collaborator/Associate alongwith copies...
2	Section-VII, Book 1 of 3 Attachment 3k Page 1 of 56	Attachment 3K	Replace with Attachment-3K (REV.01) enclosed herewith.

**EPC PACKAGE FOR
KAWAS WTE PROJECT
(2X350 TPD)
BIDDING DOCUMENT NO.: CS-2600-001-9
(Experience Details - Applicable to all the Bidders)**

Bidder's Name and Address:

To
Contracts & Materials
NTPC Limited
Noida-201301

Summary of Critical Equipment indicated under clause 1.1.0 OF PROVENNESS REQUIREMENTS in the sub-section-I-A, Part-A of Section-VI of bidding documents.

The bidder/its sub-vendor(s) is required to meet the provenness criteria and/or qualification requirement for the items/services listed below as per the stipulated criteria indicated in the respective clauses. For the purpose of qualification of Bidders / Sub-vendor(s), experience shall be reckoned as on date of consideration for approval but not later than six months after award date of package unless otherwise specified in the respective clauses.

The critical equipment, auxiliaries, systems and bought out items offered shall be proven and should have been in successful operation for a minimum period of two (2) year in a waste fired unit of at least 300 TPD incineration capacity. Documents in support of the above shall be submitted along with the bid.

The bidder/ its sub-vendors(s) are required to meet the above Sub QR for following critical equipments, auxiliaries, systems:

Grate Combustion System or Waste Heat Recovery Steam Generator as applicable, flue gas cleaning system, hydraulics of grate control system, Vehicle guiding system (tipping floor), PA, FD & ID Fans, Fabric bag filter, Tubular / steam coil Air pre-heaters, Cooling towers for auxiliary cooling system, cooling water pumps, air conditioning system, ventilations system, compressed air system, leachate treatment system, liquid effluent treatment plant, Ash handling system, waste feed grab crane, bottom ash crane etc.,

Induced draught Cooling tower for auxiliary cooling system, CW pumps, air conditioning systems, Ventilation systems & air compressors having capacities same as offered capacities or more, supplied in installation other than waste fired plant is also acceptable.

We/our sub-vendor (-----) confirm that we meet the provenness requirements specified in Cl. No.1.1 of provenness requirements in the Sub-Section-IA, Part-A, Section-VI of Bidding Documents. In this regard we declare that the offered "The critical equipment, auxiliaries, systems and bought out items shall be proven and have been in successful operation for a minimum period of two (2) year in a waste fired unit of at least 300 TPD incineration capacity. Documents in support of the above have been submitted along with the bid, the details of which are given below:

Signature of authorized signatory.....

Equipment Name	Sub-Vendor Name	Collaborator's Name, if applicable	Seeking Qualification as per clause..... Sub-Section-IA, Part-A of Section-VI
Grate Combustion System or Waste Heat Recovery Steam Generator as applicable,			1.1
Flue gas cleaning system			1.1
Hydraulics of grate control system			1.1
PA Fans			1.1
ID Fans			1.1
FD Fans			1.1
Vehicle guiding system			1.1
Tubular / steam coil Air preheater			1.1
Fabric bag filter			1.1
Cooling tower			1.1
Cooling water pump			1.1
Air conditioning system			1.1
Ventilation system			1.1
Compressed air system			1.1
Leachate treatment system			1.1
Liquid effluent plant			1.1
Ash handling system			1.1
Waste feed grab crane			1.1
Bottom ash crane			1.1

Note : *Strike off whichever is not applicable.

1. If qualification is sought as per clause 1.1 then the details of the sub vendor (manufacturer) shall be filled by the bidder in the format A to I.

Signature of authorized signatory.....

2. If the qualification sought as per the clause 1.1, then the details of proposed sub vendor (i.e manufacturer of such equipment's for at least 300 TPD capacity) shall be filled individually for each equipment by the bidder in the format A to H and the details of collaborator or technology licensor who meets the requirement stipulated at 1.1 shall also be filled by the bidder in the format A to H separately. Further, in case of qualification vide clause 3.2 a copy of collaboration or valid licensing agreement for design, engineering, manufacturing, supply of such equipment in India with the collaborator or technology licensor who meets the requirement stipulated at 1.1 shall also be furnished.
3. If the qualification sought as per the clause 1.1, then the details of JV/Subsidiary Company formed for manufacturing of such equipment's in India shall be furnished individually for each equipment by the bidder such as,
 - i) Copy of document of incorporation of JV/Subsidiary company in India
 - ii) Copy of collaboration or valid licensing agreement for design, engineering, manufacturing, supply of such equipment in India with the collaborator or technology licensor who meets the requirement stipulated at 1.1.
 - iii) Copy of document of at least 26% equity participation of qualified equipment manufacturer in the Indian JV company/subsidiary company directly or indirectly through its holding company /Subsidiary company, which shall be maintained for a lock -in period of seven (7) years from the date of incorporation of such JV/subsidiary or up to the end of defect liability period of the contract which ever is later.

Further, the details of collaborator or technology licensor or technology provider of the qualified equipment manufacturer who meets the requirement stipulated at 1.1 shall be filled by the Bidder in the format A to H (format given at 1.00.00). In addition to that, the sub vendor along with the Indian JV company/subsidiary company, qualified equipment manufacturer and its holding company/subsidiary company as applicable shall furnish the DJU.

*** strike out whichever is not applicable.**

1.00.00 (Applicable for Bidder/his sub vendors seeking qualification as per clause no. 1.1, Sub section-IA, Part-A of Section-VI. Bidder shall furnish the required data only for those equipments / auxiliaries which are proposed to be sourced under this route.)

We, hereby furnish the data on proveness criteria for critical equipment, auxiliaries, systems and Bought Out Items such as PA, ID and FD Fans, Coal Pulverisers, Raw Coal feeders, Boiler Start up drain recirculation pumps, Air pre-heaters, Auxiliary Boiler, which have been designed (either by self manufacturer or under Collaboration/Licencing Agreement), manufactured/ got manufactured and supplied by us /Manufacturer (or manufactured/ got manufactured & supplied by our proposed sub-vendors) and these are in successful operation in at least one (1) plant for a period not less than one year, reckoned as on the date of consideration for approval but not later than six months after award date of EPC package. The details of type and minimum equipment rating of such equipment are given below:

Signature of authorized signatory.....

A. PA FAN

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of fans per unit	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the fans	
(vi)	Brief Technical particulars of the fans	
	(a) Type (Centrifugal / axial)	
	(b) Make & Model	
	(c) No. of Stages	
	(d) Capacity	
	(i) Flow (M ³ /Sec.)	
	(ii) Head (mmwc)	
	(e) Speed of fan (rpm)	
	(f) Flow control device (VFD / variable blade pitch control as applicable)	

Signature of authorized signatory.....

- (g) Bidder to enclosed flow
Vs head curve of PA Fan
for the reference plant
- (vii) Whether the PA Fan have
been in successful operation
for a period not less than
one (1) year *Yes/*No
- (viii) Necessary documents/certificate
in support of above are attached
at Annexure..... of this Attachment

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

B. ID FAN

S. No.	Item Description	Station-I
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- (i) Name of the station
and location
- (ii) Details of units
- (a) Capacity of each unit
(TPD)
- (b) No. of fans per unit
- (iii) Client name and its
address,
- Fax No. & Tel. No.
- e-mail id
- website address
- (iv) Name of the manufacturer
& address

Signature of authorized signatory.....

- (v) Date of commissioning of the fans
- (vi) Brief Technical particulars of the fans
- (a) Type (Centrifugal / axial)
 - (b) Make & Model
 - (c) No. of stages
 - (d) Capacity
 - (i) Flow (M³/Sec.)
 - (ii) Head (mTPDc)
 - (e) Speed of fan (rpm)
 - (f) Flow control device (VFD / Variable blade pitch control as applicable)
 - (g) Bidder to furnish flow Vs Head curves of the ID fans for the reference Plant
- (vii) Whether the ID fans have been in successful operation for a period not less than one (1) year *Yes/*No
- (viii) Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

Signature of authorized signatory.....

C. FD FAN

S. No.	Item Description	Station-I
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- (i) Name of the station and location
- (ii) Details of units
 - (a) Capacity of each unit (TPD)
 - (b) No. of fans per unit
- (iii) Client name and its address,
 - Fax No. & Tel. No.
 - e-mail id
 - website address
- (iv) Name of the manufacturer & address
- (v) Date of commissioning of the fans
- (vi) Brief Technical particulars of the fans
 - (a) Type (Centrifugal / axial)
 - (b) Make & Model
 - (c) No. of stages
 - (d) Capacity
 - (i) Flow (M³/Sec.)
 - (ii) Head (mmwc)
 - (e) Speed of fan (rpm)
 - (f) Flow control device (VFD / variable blade pitch control as applicable)
 - (g) Bidder to enclose flow vs head curve of FD

Signature of authorized signatory.....

fan for the reference
plant

- (vii) Whether the FD fans have
been in successful operation
for a period not less than
one (1) year

*Yes/*No

- (viii) Necessary documents/certificate
in support of above are attached
at Annexure..... of this Attachment

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

D. VEHICLE GUIDING SYSTEM

S. No. Item Description Station-I

- (i) Name of the Station
and location
- (ii) Client Name and Its Address.
and Fax No.
- email id
- website address
- (iii) Name of the manufacturer
& address
- (iv) Date of commission of
the vehicle guiding system
- (v) Details of Units
- (a) Capacity of each unit (TPD)
- (vi) Brief Technical particulars
of the guiding system

Signature of authorized signatory.....

- (a) Type
- (b) Size & Model no.
- (vii) Whether the vehicle guiding system have been in successful operation for a period not less than one (1) year *Yes/*No
- (viii) Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

E (a) AIR PREHEATER (Primary)

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Air preheaters per unit	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	

Signature of authorized signatory.....

- (v) Date of commissioning of the Primary Air preheater
- (vi) Brief Technical particulars of the Primary Air preheater
 - (a) Type
 - (b) Model
 - (c) Size
 - (d) Air quantity entering Primary Air preheater (T/hr.)
 - (e) Steam / Flue gas quantity entering Primary Air preheater (T/hr.)
- (vii) Whether the Primary Air Preheater have been in successful operation for a period not less than one (1) year
- (viii) Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment

*Yes/*No

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

F (b) SECONDARY AIR PREHEATER (If applicable)

S. No.	Item Description	Station-I
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- (i) Name of the station and location
- (ii) Details of units
 - (a) Capacity of each unit (TPD)
 - (b) No. of Secondary Air

Signature of authorized signatory.....

preheaters per unit

- (iii) Client name and its address,
- Fax No. & Tel. No.
 - e-mail id
 - website address
- (iv) Name of the manufacturer & address
- (v) Date of commissioning of the Secondary Air preheater
- (vi) Brief Technical particulars of the Secondary Air preheater
- (a) Type
 - (b) Model
 - (c) Size
 - (d) Air quantity entering Secondary Air preheater (T/hr.)
 - (e) Steam / Gas quantity entering Secondary Air preheater (T/hr.)
- (vii) Whether the Secondary Air Preheater have been in successful operation for a period not less than one (1) year
- (viii) Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment

*Yes/*No

(Signature).....
(Printed Name).....

(Designation).....
(Common Seal).....

Signature of authorized signatory.....

G). FABRIC BAG FILTER

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Bag filter per unit & bag material	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the Bag filter	
(vi)	Brief Technical particulars of the Bag filter	
	(a) Type	
	(b) Model	
	(c) Size	
	(d) Flue gas quantity entering Bag filter (T/hr.)	
	(e) Design efficiency (%)	
	(f) Dedusting type	

Signature of authorized signatory.....

S. No.	Item Description	Station-I
(vii)	Whether the Bag filter have been in successful operation for a period not less than one (1) year	*Yes/*No
(viii)	Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment	
(Signature)..... (Printed Name)..... (Designation)..... (Common Seal).....		

H). COOLING TOWER

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Cooling tower per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the Cooling tower	

Signature of authorized signatory.....

- (vi) Brief Technical particulars of the Cooling tower
 - (a) Type
 - (b) Model
 - (c) Size
 - (d) Cooling water flow in Cooling tower (T/hr.)
- (vii) Whether the Cooling tower have been in successful operation for a period not less than one (1) year *Yes/*No
- (viii) Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment

(Signature).....

(Printed Name).....

(Designation).....

I). COOLING WATER PUMP

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Cooling water pump per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	

Signature of authorized signatory.....

- website address
- (iv) Name of the manufacturer & address
- (v) Date of commissioning of the Cooling water pump
- (vi) Brief Technical particulars of the Cooling water pump
 - (a) Type
 - (b) Model
 - (c) Size
 - (d) Cooling water flow in Cooling water pump (T/hr.)
- (vii) Whether the Cooling water pump have been in successful operation for a period not less than one (1) year *Yes/*No
- (viii) Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment

(Signature).....
 (Printed Name).....

 (Designation).....
 (Common Seal).....

J). AIR CONDITIONING SYSTEM

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	

Signature of authorized signatory.....

- (a) Capacity of each unit (TPD)
- (b) No. of Air conditioning system per unit & type
- (iii) Client name and its address,
 - Fax No. & Tel. No.
 - e-mail id
 - website address
- (iv) Name of the manufacturer & address
- (v) Date of commissioning of the Air conditioning system
- (vi) Brief Technical particulars of the Air conditioning system
 - (a) Type
 - (b) Model
 - (c) Size
 - (d) Heat load (ton)
- (vii) Whether the Air conditioning system have been in successful operation for a period not less than one (1) year *Yes/*No
- (viii) Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

Signature of authorized signatory.....

K). VENTILATION SYSTEM

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Ventilation system per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the Ventilation system	
(vi)	Brief Technical particulars of the Ventilation system	
	(a) Type	
	(b) Model	
	(c) Size	
	(d) Humidification / Heat load (ton)	
(vii)	Whether the Ventilation system have been in successful operation for a period not less than one (1) year	*Yes/*No
(viii)	Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment	
(Signature)..... (Printed Name)..... (Designation)..... (Common Seal).....		

Signature of authorized signatory.....

L). COMPRESSED AIR SYSTEM

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Compressed air system per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the Compressed air system	
(vi)	Brief Technical particulars of the Compressed air system	
	(a) Type	
	(b) Model	
	(c) Size	
	(d) Free air delivery / pressure	
(vii)	Whether the Compressed air system have been in successful operation for a period not less than one (1) year	*Yes/*No
(viii)	Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment	

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

Signature of authorized signatory.....

M). LEACHATE TREATMENT SYSTEM

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Leachate treatment system per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the Leachate treatment system	
(vi)	Brief Technical particulars of the Leachate treatment system	
	(a) Type	
	(b) Model	
	(c) Size	
	(d) Treatment capacity (T/hr)	
(vii)	Whether the Leachate treatment system have been in successful operation for a period not less than one (1) year	*Yes/*No
(viii)	Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment	
(Signature)..... (Printed Name)..... (Designation)..... (Common Seal).....		

Signature of authorized signatory.....

N). LIQUID EFFLUENT TREATMENT SYSTEM

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Liquid effluent treatment per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the Liquid effluent treatment	
(vi)	Brief Technical particulars of the Liquid effluent treatment	
	(a) Type	
	(b) Model	
	(c) Size	
	(d) Treatment capacity (T/hr)	
(vii)	Whether the Liquid effluent treatment have been in successful operation for a period not less than one (1) year	*Yes/*No
(viii)	Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment	

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

Signature of authorized signatory.....

O). ASH HANDLING SYSTEM

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Ash handling system per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the Ash handling system	
(vi)	Brief Technical particulars of the Ash handling system	
	(a) Type	
	(b) Model	
	(c) Size	
	(d) Ash disposal capacity (T/hr)	
(vii)	Whether the Ash handling system have been in successful operation for a period not less than one (1) year	*Yes/*No
(viii)	Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment	
(Signature)..... (Printed Name)..... (Designation)..... (Common Seal).....		

Signature of authorized signatory.....

P). WASTE FEED GRAB CRANE

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of Grab crane per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the Grab crane	
(vi)	Brief Technical particulars of the Grab crane	
	(a) Type	
	(b) Model	
	(c) Size	
	(d) Waste handling capacity (T/hr)	
(vii)	Whether the Grab crane have been in successful operation for a period not less than one (1) year	*Yes/*No
(viii)	Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment	

(Signature).....

(Printed Name).....

(Designation).....

(Common Seal).....

Signature of authorized signatory.....

Q). BOTTOM ASH CRANE

S. No.	Item Description	Station-I
(i)	Name of the station and location	
(ii)	Details of units	
	(a) Capacity of each unit (TPD)	
	(b) No. of ash crane per unit & type	
(iii)	Client name and its address,	
	- Fax No. & Tel. No.	
	- e-mail id	
	- website address	
(iv)	Name of the manufacturer & address	
(v)	Date of commissioning of the ash crane	
(vi)	Brief Technical particulars of the Waste crane	
	(a) Type	
	(b) Model	
	(c) Size	
	(d) Ash handling capacity (T/hr)	
(vii)	Whether the ash crane have been in successful operation for a period not less than one (1) year	*Yes/*No
(viii)	Necessary documents/certificate in support of above are attached at Annexure..... of this Attachment	
(Signature)..... (Printed Name)..... (Designation)..... (Common Seal).....		

Signature of authorized signatory.....

EPC PACKAGE FOR KAWAS WASTE TO ENERGY PLANT (2X350 TPD)**BIDDING DOCUMENT NO. CS-2600-001-9**

[Qualifying Requirement Data/ Provenness Data (as applicable)]

Details of Provenness for the offered Steam Turbine as per Clause No. 1.2.0, Sub-Section-I-A, Part-A, Section-VI of Bidding Documents.

Bidder's Name and Address :

To
NTPC Limited
Noida-201301

Details of Provenness for the offered Steam Turbine as per Clause No. 1.2.0, Sub-Section-I-A, Part-A, Section-VI of Bidding Documents.

S.No.	Item Description	Plant Name	Module No.	Operating Steam parameters i.e. Initial Pressure, Initial Temperature, Capacity(MW)	Date of Commencement of Successful Operation
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1. Provenness of
Turbine
Module

(Bidder to furnish details of reference turbine module as per Annexure-I to this attachment)

Certified that the offered Steam Turbine Set shall be built up using above proven turbine module of M/s..... (Name of Steam Turbine Manufacturer). The Turbine to be supplied under this contract shall be manufactured assembled and tested at (Name of the Factory) where turbine of atleast 12 MW rating have been manufactured in past.

Certificate(s) from Owner that the aforesaid Steam Turbine Module are in successful operation for atleast two (2) year and caused no serious problem in past, are furnished alongwith techno-commercial Bid at **Annexure 1 to this Attachment-3K.**

Date : (Signature).....

Place : (Printed Name).....

(Designation).....

(Common Seal).....

Signature of authorized signatory.....

ANNEXURE-I TO ATTACHMENT-3K

Details of Module of the reference Turbine

S.No.	Item Description	Reference module	Offered module
Turbine			
1	Type of steam admission (Full arc/ partial arc)		
2	Number of steam admission points		
3	Number of exhausts		
4	Bearing span		
5	Outer casing barrel or not		
6	Steam flow direction (single flow/ double flow/opposed flow)		
7	Minimum/Maximum inner casing diameter		
8	Minimum/Maximum outer casing diameter		
9	Exhaust area provided/maximum possible		
10.	Brief technical details (i) Designed by (ii) Engineered by (iii) Manufactured/Got manufactured by (iv) Erected /Supervised Erection (v) Commissioned /Got commissioned by		
11.	Whether turbine is directly coupled to generator/ coupled through gear box		

Signature of authorized signatory.....

KAWAS WASTE TO ENERGY PLANT (2X350 TPD)
BIDDING DOCUMENT NO. CS-2600-001-9
 [Qualifying Requirement Data/ Provenness Data (as applicable)]

Details of Provenness for the offered Steam Turbine as per Clause No. 1.2.0, Sub-Section-I-A, Part-A, Section-VI of Bidding Documents.

Bidder's Name and Address :

To
 NTPC Limited
 Noida-201301

Summary of Critical Equipment indicated under clause 1.3.0, sub-section-I-A, Part-A of Section-VI

Equipment Name	Sub-Vendor Name	Collaborator's Name, if applicable
Name of equipment	Name of proposed Sub-Vendor	Name of Proven equipment manufacturer
Air Cooled Condenser	Sub-vendor- 1	
	Sub-vendor- 2	
	Sub-vendor- 3	
	Sub-vendor- 4	
Condensate Extraction Pumps (CEP)	Sub-vendor- 1	
	Sub-vendor- 2	
	Sub-vendor- 3	
	Sub-vendor- 4	
Boiler Feed Pumps (BFP)	Sub-vendor- 1	
	Sub-vendor- 2	
	Sub-vendor- 3	
	Sub-vendor- 4	
Deaerator	Sub-vendor- 1	
	Sub-vendor- 2	
	Sub-vendor- 3	
	Sub-vendor- 4	
Gear Box between turbine & generator (if applicable)	Sub-vendor- 1	
	Sub-vendor- 2	
	Sub-vendor- 3	
	Sub-vendor- 4	

Signature of authorized signatory.....

KAWAS WASTE TO ENERGY PLANT (2X350 TPD)
BIDDING DOCUMENT NO. CS-2600-001-9
[Qualifying Requirement Data/ Provenness Data (as applicable)]

Details of Provenness for the offered Steam Turbine as per Clause No. 1.3.0, Sub-Section-I-A, Part-A, Section-VI of Bidding Documents.

Bidder's Name and Address :

To
NTPC Limited
Noida-201301

S. No.	Item Description	Installation-1
1.00.00	Details of manufacturer of equipment for unit of atleast 12 MW rating as per clause 1.3.0 of Sub-Section-I-A, Section-VI, Part-A.	
1.01.01	Name and Address of Sub-Vendor	
1.01.02	Name and Address telephone No. & Fax No. of responsible persons of the Sub-Vendor	
1.01.03	Name of the equipment to be supplied by the Sub-Vendor	
1.02.00	Details of Reference Plant	
1.02.01	Name of the Station and its Location	
1.02.02	Client Name and its Address, Fax No. & Tel.Nos.	
1.02.03	Name and Designation of the responsible person in Client's Organisation	
1.02.04	Contract No. & Date	
1.02.05	Capacity in MW of Unit	
1.02.06	Starting Date of Work/ Date of Order	

Signature of authorized signatory.....

S. No.	Item Description	Installation-1
1.02.07	Scheduled Date of Completion	
1.02.08	Actual Date of Completion	
1.02.09	Date of Commissioning of System/Package	
	Whether the system/equipments are in successful operation	Yes/No
1.02.10	Date of Commencement of Successful Operation	
1.02.11	Brief Scope of Work	
1.02.12	M/s (Name of the Sub-vendor) is a regular manufacturer of (Name of the equipment) for units of atleast 12 MW rating	Yes/No
1.02.13	Certificate from such Owner that aforesaid equipment has been supplied by the sub-vendor and is running satisfactorily & is enclosed to this Attachment at Annexure.....	Yes/No

Date : (Signature).....

Place : (Printed Name).....

(Designation).....

(Common Seal).....

Signature of authorized signatory.....

KAWAS WASTE TO ENERGY PLANT (2X350 TPD)
BIDDING DOCUMENT NO. CS-2600-001-9
 [Qualifying Requirement Data/ Provenness Data (as applicable)]

Details of Provenness for the offered Steam Turbine as per Clause No. 1.3.0, Sub-Section-I-A, Part-A, Section-VI of Bidding Documents.

Bidder's Name and Address :

To
 Contracts & Materials
 NTPC Limited
 Noida-201301

3.00.00 Details of manufacturer of proven equipments.

S. No.	Item Description	Station-I
A.	AIR COOLED CONDENSER	
1.00.00	Name, Address & Telephone No. of the manufacturer	
1.01.00	Name of the Station and its Location	
1.02.00	Client Name and its Address, Fax No. & Tel.Nos.	
1.03.00	Name and Designation of the responsible person in Client's Organisation	
1.03.00	Contract No. & Date	
1.04.00	Capacity in MW/TPD of Unit and no. of Units	
1.05.00	Starting Date of Work/ Date of Order	
1.06.00	Scheduled Date of Completion	
1.07.00	Actual Date of Completion	
1.08.00	Date of Commissioning of System/Package	

Signature of authorized signatory.....

S. No.	Item Description	Station-I
1.09.00	Whether the System/Equipments are in Successful Operation for a minimum period of one (1) year	Yes/No
1.10.00	Date of Commencement of Successful Operation	
1.11.00	Brief Scope of Work	
1.12.00	Brief Technical Particulars of the System/Package/Equipments :	
	(i) Designed by	
	(ii) Manufactured by	
	(iii) Type : Direct Air Cooled, Forced cooling	Yes/No
	(iv) Design Standard	
	(v) Rated Heat Load (G Kal/hr.)	
	(vi) Design Ambient Temperatue	
	(vii) Max Ambient Temperatrure (Design)	
	(viii) Condenser Pressure [mm of Hg(a)]	
	(ix) Overall Heat Transfer Coefficient (Kcal/hr sq.m. deg.C)	
	(x) Surface Area (sq.m.)	
	(xi) ACC height	
	(xii) No. of fans	
	(xiii) Floor area (width x length)	
	(xiv) KW rating of each fan	
	(xv) Location w.r.t A-row	
	(xvi) Arrangement of modules	
	(xvii) Tube Material	

Signature of authorized signatory.....

S. No.	Item Description	Station-I
	(xviii) ACC Make	
	(xix) Tube type	
	(xx) Type of condenser support	
1.13.00	Is this air cooled condenser running with steam turbine generator set	Yes/No
B.	CONDENSATE EXTRACTION PUMP	
1.00.00	Name Address and Telephone No. of the manufacturer	
1.01.00	Name of the Station and its Location	
1.02.00	Client Name and its Address, Fax No. & Tel. Nos.	
1.03.00	Name and Designation of the responsible person in Client's Organisation	
1.04.00	Contract No. & Date	
1.05.00	Capacity in MW/ TPD of Unit and no. of Units	
1.06.00	Starting Date of Work/Date or Order	
1.07.00	Scheduled Date of Completion	
1.08.00	Actual Date of Completion	
1.09.00	Date of Commissioning of System/Package	
1.10.00	Whether the System/Equipments are in successful operation for a minimum period of one (1) year	Yes/No

Signature of authorized signatory.....

S. No.	Item Description	Station-I
1.11.00	Date of Commencement of Successful Operation	
1.12.00	Brief Scope of Work	
1.13.00	Brief Technical Particulars of the System/Package/Equipments :	
	(i) Designed by	
	(ii) Manufactured by	
	(iii) Make / Model No.	
	(iv) Rated Flow (T/hr)	
	(v) Rated Head (kg/cm ² (abs)	
	(vi) Rated Speed (rpm)	
	(vii) KW Rating of Motor	
	(viii) No. CEP(s) per Unit	
	(ix) Pump Efficiency	
	(x) Type	
	- Vertical/Horizontal	
	- Cannister with double suction first stage impeller	
1.14.00	Are these CEPs running with Steam Turbine Generator Set	Yes/No

DEAERATOR

1.00.00	Name, Address and Telephone Number of manufacturer
1.01.00	Name of the Station and its Location

Signature of authorized signatory.....

S. No.	Item Description	Station-I
1.02.00	Client Name and its Address, Fax No. & Tel.Nos.	
1.03.00	Name and Designation of the responsible person in Client's Organisation	
1.04.00	Contract No. & Date	
1.05.00	Capacity in MW / TPD of Unit and no. of Units	
1.06.00	Starting Date of Work/Date of Order	
1.07.00	Scheduled Date of Completion	
1.08.00	Actual Date of Completion	
1.09.00	Date of Commissioning of System/Package	
1.10.00	Whether the System/Equipments are in Successful Operation for a minimum period of one (1) year	Yes/No
1.11.00	Date of Commencement of Successful Operation	
1.12.00	Brief Scope of Work	
1.13.00	Brief Technical Particulars of the System/Package/Equipments	
	(i) Designed by	
	(ii) Manufactured by	
	(iii) Type of Deaerator	
	(a) Whether Direct Contact Type	Yes/No
	(b) Horizontal/Vertical	

Signature of authorized signatory.....

S. No.	Item Description	Station-I
	(iv) Spray Type/Spray cum Tray Type	
	(v) Oxygen Level at Deaerator Outlet (cc/litre)	
	(vi) Feed Water Flow from Deaerator (T/hr)	
	(vii) Storage Capacity (Cu.m.)	
	(viii) Design Pressure [Kg/sq.cm(g)]	
	(ix) Make	
1.14.00	Is this Deaerator running with Steam Turbine Generator Set	Yes/No
D.	BOILER FEED PUMPS	
1.00.00	Name, Address and Telephone No. of manufacturer	
1.01.00	Name of the Station and its Location	
1.02.00	Client Name and its Address, Fax No. & Tel. Nos.	
1.03.00	Name and Designation of the responsible person in Client's Organisation	
1.04.00	Contract No. & Date	
1.05.00	Capacity in MW /TPD of Unit and No. of Units	
1.06.00	Starting Date of Work/ Date of Order	
1.07.00	Scheduled Date of Completion	
1.08.00	Actual Date of Completion	

Signature of authorized signatory.....

S. No.	Item Description	Station-I
1.09.00	Date of Commissioning of System/Package	
1.10.00	Whether the System/Equipments are in Successful Operation for a minimum period of one (1) year	Yes/No
1.11.00	Date of Commencement of Successful Operation	
1.12.00	Brief Scope of Work	
1.13.00	Brief Technical Particulars of the System/Package/Equipments	
	(i) Designed by	
	(ii) Manufactured by	
	(iii) Make / Model No.	
	(iv) No. of BFP per Unit	
	(v) Rated Flow per Pump (T/hr)	
	(vi) Rated TDH kg/cm ² (abs)	
	(vii) Speed (rpm)	
	(viii) KW Rating of Motor	
	(ix) Pump Efficiency	
	(x) Head Developed per stage	
	(xi) Type	
	- Horizontal	
	- Centrifugal	
	- Multistage	
1.14.00	Are the BFPs running with Steam Turbine Generator Set	Yes/No

Signature of authorized signatory.....

S. No.	Item Description	Station-I
E.	GEAR BOX	
1.01.00	Name, Address, Telephone No. of manufacturer	
1.02.00	Name of the Station and its Location	
1.03.00	Client Name and its Address, Fax No. & Tel.Nos.	
1.04.00	Name and Designation of the responsible person in Client's Organisation	
1.05.00	Contract No. & Date	
1.06.00	Capacity in MW / TPD of Unit and No. of Units	
1.07.00	Starting Date of Work/ Date of Order	
1.08.00	Scheduled Date of Completion	
1.09.00	Actual Date of Completion	
1.10.00	Date of Commissioning of System/Package	
1.11.00	Whether the System/Equipments are in Successful Operation for a minimum period of one (1) year	Yes/No
1.12.00	Date of Commencement of Successful Operation	
1.13.00	Brief Scope of Work	
1.14.00	Brief Technical Particulars of the System/Package/Equipments :	
	(i) Designed by	
	(ii) Manufactured by	

Signature of authorized signatory.....

(iii) Make / Model No.

(iv) Type

(v) Service Factor

1.15.00	Whether the gear box is used to couple steam turbine to generator	Yes/No
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*** Bidder to strike out whichever is not applicable**

Date : (Signature).....

Place : (Printed Name).....

(Designation).....

(Common Seal).....

Signature of authorized signatory.....

EPC PACKAGE FOR**KAWAS WASTE TO ENERGY (2X350 TPD)****BIDDING DOCUMENT NO. CS-2600-001-9**

**Experience details of Sub-vendor seeking qualification as per
clause 1.4.0 of Sub-Section-IA, Provenness, Part-A,
Section-VI of Bidding Document)**

Bidder's Name and Address:

To
Contracts & Materials
NTPC Limited.
NOIDA-201301

1.00.00 Control & Instrumentation system

1.01.00 We/our sub-vendor (-----) confirm that we meet the provenness requirements specified in Cl. No. 1.4.0 of provenness requirements in the Sub-Section-IA, Part-A, Section-VI of Bidding Documents. In this regard we declare that the offered Control system is either same or of the same series as being offered for this package & which has been in successful operation in at least two (2) numbers of WtE plants with automatic Grate firing control system of rating 300 Tonnes per day or above for a period of not less than Two (2) years., the details of which are given below:

Sl.No.	Item Description	Plant No.1	Plant no.2
1.	Name of WtE Plant (Location and Address)		
2.	Name of the Owner of WtE Plant with full Address Fax. No. Telephone No. e-mail address		
3.	Name of Package/Contract along with Order/LOA No. & Date		
4.	Name & Address of the Contractor on whom the order for executing the reference plant system was placed by the Owner of the reference plant		
5.	In case the Bidder/sub-vendor is not the Contractor at Sl. No. 4, Name & Address of the Organisation which placed order for reference plant system on the Bidder/sub-vendor		

Signature of authorized signatory.....

Sl.No.	Item Description	Plant No.1	Plant no.2
6.	Plant Rating (TPD)		
7.	Whether WTE plant with Automatic Grate firing	*Yes/No	*Yes/No
8.	Control Systems details		
8a.	Offered Control system for this project:		
8b.	Control system supplied for reference plant		
8c.	whether above (8a&8b) are same or same series		
8d.	Actual date of commissioning		
8e.	Number of years of successful operation		
8f.	whether certificate attached for above (8e.)	*Yes/No	*Yes/No
9.	Following documents are enclosed in support of meeting the stipulated Qualifying Requirements		
(a)	Relevant portion of Letter of Award / Contract Agreement / Order/ User certificate/details of Control system e.g. system configuration / Write up for Automatic grate firing control At reference plant Enclosed	*Yes/No	*Yes/No

1.02.00 We/our sub-vendor confirm that we meet the provenness requirements specified in **Cl. No1.4.0** of provenness requirements in the Sub-Section-IA, Part-A, Section-VI of Bidding Documents. In this regard we declare that" Measuring instruments offered for this package have at least Two (2) years satisfactory operation in one WtE plant having unit rating 300 TPD or above or any other Power plant of unit rating 200 MW or above", the details of which are given below :

Sl No	Item Description	Plant No.1
MEASURING INSTRUMENTS		
(i)	Type of Instrument	
(ii)	Make / Model	
(iii)	Name of Power Station (Location & Address)	

Signature of authorized signatory.....

- (iv) Unit Size WTE (TPD)/
Unit size Power plant (MW)
- (v) Commissioning date
- Whether above instruments have
atleast Two (2) year satisfactory
operation in one (1) WTE plants having
unit rating of 300 TPD or above Yes/No
- OR
- Whether above instruments have
at least Two (2) year satisfactory
Operation in one (1) power station having
unit rating of 200 MW or above. Yes/No
- (vi) Client's certificate,
Purchase Order attached Yes/No

Signature of authorized signatory.....

EPC PACKAGE FOR KAWAS WASTE TO ENERGY PLANT (2X350 TPD)**BIDDING DOCUMENT NO. CS-2600-001-9**

[Qualifying Requirement Data/ Provenness Data (as applicable)]

DETAILS OF PROVENNESS OF THE OFFERED FIRE DETECTION AND PROTECTION SYSTEM AS PER CLAUSE NO. 1.5.0 Sub-Section-IA, PART-A, SECTION-VI OF BIDDING DOCUMENTS**Sub : Sub-Qualifying Requirements for the Fire Detection and Protection System**

To satisfy the requirements specified in Clause No. 1.5.0 of Sub-Section-IA, Part-A, Section-VI of Bidding Document, we furnish following details:

1).

We/ sub-vendor declare that we have designed, supplied, erected and commissioned at least One (1) fire protection system of Contract value not less than Rs.35.0 million or equivalent in foreign currency (exchange rate applicable as on date of Techno-commercial Bid Opening), in industrial installation. The Fire Protection System comprise of

- a) fire hydrant system
- b) high velocity water (HVW) spray or medium velocity water (MVW) spray or sprinkler system.
- c) fire water pumping and pressurizing arrangement.

We further declare that the systems mentioned above have been designed to the recommendations of *Tariff Advisory Committee of India or Oil Industry Safety Directorate (OISD) or any other International reputed authority (like LPC-U.K. or NFPA - USA) and these systems are in successful operation for a period of not less than one (1) year. The details of Fire Protection system executed by us are furnished below: -

Details pertaining to Technical Qualification of the Sub-vendor.

Sl.No.	Description	Plant No. 1
A.	DATA OF FIRE PROTECTION SYSTEMS EXECUTED: (To be filled up for contracts having order value not less than Rs. 35.00 million or equivalent in foreign currency (exchange rate applicable as on date of techno-commercial bid opening)	

Signature of authorized signatory.....

1. Client name and address
2. Name and Address of the plant/
installation
3. Whether Fire protection system
executed is for industrial installation ? Yes*/No*
4. Date of order
5. Date of commissioning
6. Period of operation
7. Value of the order in Rs. Million
8. The Scope included :
 - a) Design Yes*/No*
 - b) Supply Yes*/No*
 - c) Erection Yes*/No*
 - d) Commissioning Yes*/No*
9. The fire protection system
have been designed as
per TAC/OISD/any other
International reputed authority
(like LPC-UK or NFPA, USA)
(Please indicate the name of
the authority) Yes*/No*
10. The above contract included :
 - a) Fire Hydrant system Yes*/No*
 - b) High velocity water
spray (HVW) system Yes*/No*
 - c) Medium velocity water spray
(MVW) System Yes*/No*
 - d) Sprinkler System Yes*/No*
 - e) Fire water pumping and press-
urizing arrangement Yes*/No*
11. Documentary evidence/certificate from
client in support of above is enclosed Yes*/No*

Signature of authorized signatory.....

We further confirm that notwithstanding anything stated above, the Employer reserves the right to assess our / our Sub-vendor's capabilities and capacity to perform the Contract, should the circumstances warrant such assessment in the overall interest of the Employer in line with QR requirement at Clause No. **1.5.0** of Sub-Section-IA, Part-A, Section-VI.

Note : (1) Continuation sheets of like size and format may be used as per Sub-vendor requirement and be annexure to this attachment.

* **Please Strike off whichever is not applicable.**

We/ Sub-Vendor furnish the following details of the firm from whom the analogue addressable type fire alarm system is proposed to be supplied for this package.

We / sub-vendor further declare that the analogue addressable type fire alarm system proposed to be supplied shall be sourced from a firm M/S_____ who has supplied at least One (1) similar system and these system has been approved or listed by UL-USA / FM-USA / LPC-UK / similar agency and are in successful operation for at least One (1) year. The details of the proposed firm are furnished below:

Sl.No.	Description	Plant No. 1
1.	Name of supplier	.....
2.	Address of supplier	.....
3.	Experience details of supplier	
a)	Name of the client	.....
b)	Address of the client	.....
c)	Address of the installation	.....
d)	Type of the installation (Industrial / commercial)	.....
e)	Whether the installed system has been approved by UL- USA/FM-USA/LPC-UK/Similar agency ? (please specify agency)	Yes*/No*
f)	Whether the installed system has been listed by UL-USA/ FM-USA/LPC-UK / Similar agency? (please specify agency)	Yes*/No*

Signature of authorized signatory.....

Sl.No.	Description	Plant No. 1
g)	Date of order / award for analogue addressable type fire alarm system	.....
h)	Date of commissioning of the above system	.....
i)	Number of years for which the system is in operation	.....
j)	Documentary evidence/certificate in support of above system to be enclosed	.....

*** Please strike off whichever is not applicable.**

Note : If a Sub-vendor proposed more than one firm for the supply of analogue addressable type fire alarm system, separate data shall be submitted in the above format for each of the proposed suppliers.

Signature of authorized signatory.....

KAWAS WASTE TO ENERGY PLANT (2X350 TPD)
BIDDING DOCUMENT NO. CS-2600-001-9
(Details pertaining to technical qualification of the Sub-Vendor)

Bidder's Name and Address :

To
 Contracts & Materials,
 NTPC Limited.

Sub : Provenness Criteria for Civil Works

- (I) We declare that we/our Sub-vendor's/ Agency(ies) meet the Provenness Criteria stipulated at Clause No. 1.6.0 of Part-A, Sub-Section-IA of Section-VI of our own*/jointly with our Sub-Vendors as indicated below:

Ref. of QR	Clause 1.6.1/1.6.2	Clause 1.6.3
Whether Bidder meets the requirement	* Yes/No	* Yes/No
** Whether Sub-vendor/Civil Construction Agency M/s..... meets part of the requirement	* Yes/No	* Yes/No
** Whether Sub-vendor/Civil Construction Agency M/s..... meets part of the requirement	* Yes/No	* Yes/No
** Whether Sub-vendor/Civil Construction Agency M/s..... meets part of the requirement	* Yes/No	* Yes/No

* Strike off whichever is not applicable.

** Add more agencies if proposed.

Signature of authorized signatory.....

- (II) In order to satisfy the Qualifying Requirements stipulated at Clause No. 1.6.1/1.6.2 of Sub-Section-IA, Part-A of section-VI, we declare that *We/our Sub-Vendors *M/s. have executed **Earth Work in filling including cutting in rock**, as per details given below:

Sl. No.	Name of Remarks contracts	Name & Address of Client	Ref. No. and date of Award of Contract	Date of completion of works		Actually executed earth work quantity for the reference contract	Asking rate of earth work for this contract
				As per Contract	Actual	Cu.m/year	Cu.m/year
1	2	3	4	5	6	7	8
							9

Note : i) Certificate from client(s) i.e. M/s regarding the quantum of Earth work in filling including cutting in rock executed during the one year period in the above contracts is enclosed at Annexure

ii) One Year means any continuous 12 months period within entire contract period.

***Strike out whichever is not applicable.**

Signature of authorized signatory.....

(III) In order to satisfy the Qualifying Requirements stipulated at Clause No. 1.6.1/1.6.2 of Sub-Section-IA, Part-A of section-VI, we declare that *We/our Sub-Vendors *M/s. have executed **structural steel fabrication & erection works** related to industrial building with Electrically Operated Crane, as per details given below:

Sl. No.	Name of contracts	Name & Address of Client	Ref. No. and date of Award of Contract	Date of completion of works		Actually executed fabrication** for the reference contract (MT/year)	Asking rate of fabrication for this contract (MT/year)	Remarks
				As per Contract	Actual			
1	2	3	4	5	6	7	8	9

- Note : i) Certificate from client(s) i.e. M/s regarding the quantum of structural steel fabrication & erection work executed during the one year period in the above contracts is enclosed at Annexure
- ii) One Year means any continuous 12 months period within entire contract period.

*Strike out whichever is not applicable.

** Fabrication can be at shop / factory or site.

Signature of authorized signatory.....

- (IV) In order to satisfy the Qualifying Requirements stipulated at Clause No. 1.6.1/1.6.2 of Sub-Section-IA, Part-A of section-VI, we declare that *We/our Sub-Vendors *M/s. have executed **RCC works including machine foundations** related to industrial building with Electrically Operated Crane, as per details given below:

Sl. No.	Name of contracts (Cum/year)	Name & Address of Client	Ref. No. and date of Award of Contract	Date of completion of works				Actually executed		Asking rate RCC for this contract (Cu.m	Remarks of RCC contract / year)
				As per Contract	Actual	reference					
						Start	Finish				
								start	Finish		
1	2	3	4	5	6	7	8	9	10	11	

- Note : i) Certificate from client(s) i.e. M/s regarding the quantum of RCC works including machine foundations executed during the one year period in the above contracts is enclosed at Annexure
- ii) One Year means any continuous 12 months period within entire contract period.

***Strike out whichever is not applicable**

Signature of authorized signatory.....

(V) In order to satisfy the Qualifying Requirements stipulated at Clause No. 1.6.1/1.6.2 of Sub-Section-IA, Part-A of section-VI, we declare that *We/our Sub-Vendors *M/s. have executed civil and structural works related to **Water retaining structures**, as per details given below:

Sl. No.	Name of contracts	Name & Address of Client	Ref. No. and date of Award of Contract	Date of completion of works		Actually executed work for the reference contract			Asking rate of work for this contract			Remarks
				As per	Actual							
--					contract	RCC (Cu. m/Yr)	Fab. (MT/ Year)	Erec- tion (MT/ Yr.)	RCC (Cu.m/ Yr)	Fab. (MT/ Year)	Erec- tion (MT/ Yr.)	
1	2	3	4	5	6	7	8	9	10	11	12	13

- Note : i) Certificate from client(s) i.e. M/s regarding the quantum of civil & structural work related to Water retaining structures executed during the one year period in the above contracts is enclosed at Annexure
- ii) One Year means any continuous 12 months period within entire contract period

***Strike out whichever is not applicable.**

Signature of authorized signatory.....

(VI) In order to satisfy the Qualifying Requirements stipulated at Clause No. 1.6.3 of Sub-Section-IA, Part-A of section-VI, we declare that *We/our Sub-Vendors *M/s. have executed civil and structural works related to **Chimney/Stack of minimum 80% of required height height** , as per details given below:

Sl. No.	Name of contracts	Name & Address of Client	Ref. No. and date of Award of Contract	Date of completion of works				Height of Chimney	Whether own Slip (m) equipment	Remarks from

				As per Contract		Actual				
				-----		-----				
				start	Finish		Start	Finish		
1	2	3	4	5	6	7	8	9	10	11

Note : i) Certificate from client(s) i.e. M/s regarding civil / structural steel work related to Chimney/Stack executed in the above contracts is enclosed at Annexure

***Strike out whichever is not applicable.**

Signature of authorized signatory.....