Project Engineering Management

Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)

GLOBAL TENDER FOR FUEL OIL HANDLING AND STORAGE SYSTEM OF 2 X 250 MW NEW NEYVELI TPP (SG)

Ref No. : PE/PG/NTI/E-4588/2014 **Date: 20.11.2014**

CORRIGENDUM/ ADDENDUM-6

Our Ref : TENDER ENQUIRY NO: PE/PG/NTI/E-4588/2014 Dt. 10-10-2014
Package : FUEL OIL HANDLING AND STORAGE SYSTEM
Project : 2 X 250 MW NEW NEYVELI TPP (SG)

This is in reference to the above Tender Enquiry No: **PE/PG/NTI/E-4588/2014, DTD-10.10.2014** please note that following clarification against above tender enquiry.

Sr. No.	Refer Clause	Clause Statement	Vendor's Clarifications required	BHEL Reply	BHEL Reply after pre bid discussion with vendor dt 19.11.2014
1	Vol. II B, Sec C, Annexure VIII/ Clause 3.4.13.12/ Page 128 of 303	Capacity of the condensate flash tank to be provided by contractor, will be of 6 cu.m nominal capacity. The tank will be vertical and cylindrical in shape with dished ends. Tank design will confirm to IS:2825 class II. Material of construction will be IS:2002 grade-II. Location of this tank will be inside/near vicinity of the fuel oil pump house. Vent from the tank will be terminated above the pump house roof. **The drain from the flash tank will be led to guard poud in ETP by the contractor.**	From the referred clause we understood that condensate drain from flash tank will be terminated into guard pound in ETP. To achieve this requirement, the tender specification not given any clarity whether the flash drains will collect by gravity or pumping system. Hence we have consider a scheme as first we collect flash drain into OWS and then transfers to guard pound in ETP along with waste water through water recovery pumps. Please confirm.	Specification is clear. Bidder to design & quote accordingly.	Routing of condensate from flash tank to ETP shall be worked during detailed engineering. However, if any pumping is required for the same, bidder to provide without any commercial implication.

Please reply to:
Kamal Kishore (Engr/PG-II-2)
Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM,Noida-201301 (U.P.)
Tel No. 0120-43638508

20/11/14

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2	Vol. II B, Sec C, Annexure II/ Clause 1.13.A. a)/ Page 36 of 303	**FUEL OIL** 1. Fuel Oil Unloading Pipes - IS 1239/IS1978/API 5L Gr. B(**ERW**) / IS 3589 Fabricated from IS 2062 Plates Fuel Oil Pump Discharge Piping/Other Fuel Oil / Piping - API 5L GR.B (**ERW**)	Referred clauses are contradicting about construction of Fuel oil piping. Please clarify whether we have to be consider ERW or Seamless.	It is clearlry mentioned under s.n xi, clause- 17.0.0, page 21 of the the specification that Anneure-VIII shall prevail in case of any ambiguity in the technical specification.	Thicknesses for pipes shall be: **Seamless pipes:** standard weight or Sch-40 as available **ERW Pipes:** thicknesses corresponding those covered in other standards.
	Vol. II B, Sec C, Annexure VIII/ Clause 3.4.13.7/ Page 125 of 303	**Construction:** Fuel oil piping will be **seamless** as per IS:1978/EN10216-2/Equivalent, Heavy grade fitting as per IS1239(Part III)/EN 10253-2.			
3	Vol. II B, Sec C, Annexure VIII/ Clause 3.4.13.10/ Page 127 of 303	The entire HFO pipin line will be steam heat traced and insulated with slag wool to maintain heavy oil temperaure in the system at 85°C ± 5°C.	The unloading temperature of HFO is 50°C, maintanance temperature is 60°C and the tank oulet temperature is 70°C. Hence the referred clause is not applicable. Please confirm.	Bidder to follow specification in line with reply given above at S.N.2.	HFO pipeline temperature to be maintained at 50 degC.

Thanking You,

With Regards,
For & on behalf of BHEL

20/11/14

Kamal Kishore
Sr. Engineer/PG-II-2

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