

### **ADDENDUM-3**

**DATE: 04-01-2016**

**Stacker Machine and Reclaimer Machine Package for 5X800 MW Yadadri TPS**

**Tender Ref : 77/15/6212/RCD**

1. Pre-bid Queries & clarifications have been uploaded on the web.
2. Any further addendum such issued carry part of the bidding documents and this will be available at the website from where the original documents have been received / downloaded by the bidder. Hence bidders are requested to visit the website <https://bheleps.buyjunction.in> on regular basis.

**For Further Queries if any, Contact:**

**For commercial :**

**Sh. Anand Aman**

Sr. Engineer, Purchase/Works-1  
BHEL-ISG,  
Prof.C.N.R.Rao Circle,  
Bangalore-560 012  
Off: 080 2218 4134,  
e-mail : [ana@bhelisg.com](mailto:ana@bhelisg.com)

**For Technical :**

**Sh. Umesh D**

Engineer / PE / Mech  
BHEL-ISG,  
Prof.C.N.R.Rao Circle,  
Bangalore-560 012  
Off: 080 2218 4037,  
e-mail : [ud@bhelisg.com](mailto:ud@bhelisg.com)

**PRE BID QUERY FOR 5x800 MW YADADRI TPS – BHEL**

Enquiry No. : 77/15/6212/RCD

Stacker Machine and Reclaimer Machine Package for 5X800 MW Yadadri TPS

SI No	Clause No.	Page No	Clause	Bidder's Query	BHEL's Reply
1	Sr.No.-21, TSGENCO_approved_vendor_list_CHP_items	3 of 3	Rail Clamp of SCR	As per TSGENCO Approved Vendor list all vendor for Rail clamp of SCR is not approved. Kindly provide approved vendor for Rail clamp of SCR.	Bidder shall propose the list of sub vendors. However, Sub vendors are subjected to approval of Customer during detailed engineering. Bidder shall procure items from the approved vendors only. Any cost implication due to the same shall be absorbed by the bidder.
2	Sr.No.-23, TSGENCO_approved_vendor_list_CHP_items	3 of 3	Slew Bearing of SCR	As per TSGENCO Approved Vendor list Rothe Erde is not approved vendor of Slew Bearing. So, we shall consider following vendor for slewing ring <ol style="list-style-type: none"> <li>1. SKF</li> <li>2. IMO</li> <li>3. GALPERTI</li> <li>4. LIEBHERR</li> </ol> Kindly confirm.	Though, Rothe Erde is not approved in the vendor list, Approval of Rothe Erde is taken up with Customer once again for other TSGENCO projects which are applicable for this project also. Bidder shall quote accordingly; sub-vendors proposed by bidder are subjected to approval of customer during detailed engineering. Bidder shall procure items from the approved vendors only. Any cost implication due to the same shall be absorbed by the bidder.
3	Clause 7. 22.00 of e-PCT-TS-K-02-2014-15-Vol IV	V. IVA : 43	At least 50% of the wheels shall be driven by electric motors and it should be complete with gear reducers, electro-hydraulic brakes, coupling, oil tight casing, etc.	At least 50% of the wheels shall be driven by Geared Motor with open pair of spur & pinion in oil filled closed Drive bogie shall be provided. Kindly confirm.	Bidder to follow specification.
4	Sl.No.6 of Bidders_Quiries__BHEL_replies_2		Operator's cabin shall be placed near the discharge end (non drive end) of the boom conveyor for stacker machine.	Generally Operator's cabin for Stacker Machine has been placed on Pylon/Mast structure due to ergonomically & stability	Operator's cabin shall be placed near the discharge end (non drive end) of the boom conveyor for stacker machine. However, bidder's proposal

				point of view. Kindly confirm.	can also be discussed during detail engg. with customer TSGENCO/ their consultant. And whatever customer's decision shall be final and binding. So, bidder to take care the same in their bid and any changes during detail engg due to TSGENCO/ their consultant comment from the arrangement considered by bidder at bid stage shall not have any price implication on BHEL and successful bidder to absorb the same .
5	Clause F , Electrical scope, Technical_Enquiry_Specs_for_Stacker_and_Reclaimer	29 of 40	3D stockpile level detection system along with PC based monitoring unit, printer etc. this shall also provide mass volume & mass profile of the stock pile.	Please provide detail specification of 3D stockpile, mapping system.	Bidder to ensure that level , volume and mass including profile of complete stock available in the open coal stockyard (along with PC based monitoring unit, printer etc. ) with availability of 3D profile at CCR as well as in CHP Control Room shall be provided.
6	Clause F , Electrical scope, Technical_Enquiry_Specs_for_Stacker_and_Reclaimer	29 of 40	3D stockpile level detection system along with PC based monitoring unit, printer etc. this shall also provide mass volume & mass profile of the stock pile.	Complete integration with Plant PLC shall be provided by BHEL only. However, Integration provision in Machine PLC shall be provided by Bidder.	Bidder to adhere specification.
7	Clause F-24 ,Electrical scope, Technical_Enquiry_Specs_for_Stacker_and_Reclaimer	30 of 40	RTU type/radio modem type wireless communication system (to be decided during detailed engg.	Bidder shall be provided Radio modem type wireless communication system. Control trailing cable also provided for hardwired signals.	Bidder to adhere specification. RTU type/radio modem type wireless communication system (to be decided during detailed engg.
8	Clause F-24 , Electrical scope, Technical_Enquiry_Specs_for_Stacker_and_Reclaimer	30 of 40	Stacker/Reclaimer mounted PLCs and CHP DCS, along with Statutory clearance for the wireless communication system and redundant interface for HMI. Any	Radio modem shall be used with license free band only. Any type of statutory approval shall be provided by BHEL.	Bidder to adhere specification. Statutory clearances/approval shall be in the scope of bidder.

			equipment like transmitters, receivers, repeaters required in the CHP control rooms or any other location including machine mounted for establishing successful communication between S/R PLC and CHP DCS shall be in bidder's scope (supply, E&C)		
9	Clause F-9 , Electrical scope, Technical_Enquiry_Specs_for_Stacker_and_Reclaimer	26 of 40	Festooning/trailing/flexible and any special cables and their arrangements (including trailing arrangement, trolley, motorized Power & control cable reeling drums, etc) for both land mounted & machine mounted equipments. Bidder shall provide minimum 4 pairs of screen cable (for PA & CCTV) in trailing cable for establishing communication with CHP control room.	Bidder shall be provide extra pair for PA and CCTV signals., However complete CCTV signal can be taken by BHEL only. Bidder shall not be responsible for CCTV signals.	Specification to be followed.
10	Clause 2.14.00 of 2.00.00, GENERAL REQUIREMENTS , OCT10'14_KTPS_VOLUME VI, TECHNICAL SPECIFICATION FOR CONTROL & INSTRUMENTATION	V VI/S-III : 3	3D Acoustic type coal level measuring system at coal bunkers and 3D type stock pile measurement & management system to show level , volume and mass including profile of complete stock available in the open coal stockyard with availability of 3D profile at CCR as well as in CHP Control Room shall be Provided. Bunker weight measurement with strain gauge shall also be Included.	Complete detail specification required for complete requirements. However Bidder shall be considered standard 3D stockpile mapping system, which is used for 3D type stock pile measurement & management system	Bidder to ensure that level , volume and mass including profile of complete stock available in the open coal stockyard (along with PC based monitoring unit, printer etc. ) with availability of 3D profile at CCR as well as in CHP Control Room shall be provided.  Bunker weight measurement with strain gauge not in bidder's scope.
11				With reference to the Annexure A3: Mandatory spare list for Electrical and C&I, you have	There is no mandatory spare list for stacker & reclaimer separately for electrical and C&I items. However

				provided the combined spare list for Stacker & Reclaimer. You are requesting to kindly provide the separate list for Stacker & Reclaimer. –	the spares shall be considered reflecting individual type, rating etc. against each item as applicable for both stacker & reclaimers.
12	Sl. no. 3 of Broad scope of works for the complete scope of supply of Technical_Enquiry_Specs_for_Stacker_and_Reclaimer	5 of 40	Construction of closed covered storage shed shall be in bidder's scope.	Kindly clarify whether bidder have to prepare single storage shed for all 06 machines or 1 storage shed for each machine.	Single Closed covered storage shed for all 6 machines as per technical enquiry specification shall be in the scope of bidder.
13	Erection & Commissioning of Technical_Enquiry_Specs_for_Stacker_and_Reclaimer	6 of 40	Erection & Commissioning: <b>"preparation of storage yard"</b>	Whether preparation of Coal storage yard shall be in Bidder's scope or not. If Yes, then Please indicate the FGL or depth of Leveling to be done. Bidder would construct only temporary storage yard till handing over.	Preparation of Coal storage yard shall be in Bidder's scope, FGL & depth of level shall be furnished to bidder during detailed engineering.
14				We understand that Preparation of Open storage shed shall not be in bidder scope. Kindly confirm.	Preparation of Open storage shed shall be in the scope of the bidder as per technical specification.