

CORRIGENDUM -2, dated 12.11.2020 to BHEL PSSR TENDER No. ENQ:20:PS:0005:PUR:17, dt.03.10.2020

TENDER No. ENQ:20:PS:0005:PUR:17, dt.03.10.2020 : 1.1. PROVIDING, INSTALLING AND HANDING OVER OF TWO COAL COVERED SHEDS COVERING THREE COAL STOCK PILES USING TUBULAR STEEL SECTIONS CONFORMING TO IS 1161 / IS 4923 AND STEEL STRUCTURAL SECTIONS CONFORMING TO IS 2062-2006, ROOF MONITOR IF REQUIRED SHALL BE PROVIDED ON FULL LENGTH AS PER THE REQUIREMENT. SCOPE IS INCLUSIVE OF DESIGNING, SUPPLYING, FABRICATION, WELDING, HANDLING, ASSEMBLING & ERECTION IN POSITION OF TUBULAR SPACE FRAME STRUCTURE, CLADDING SHEETS (ROOF AND SIDE SHEETING) AND HANDING OVER TO CUSTOMER

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1	-----	Please share us the Autocad drawing of the shed with clearances required , along with opening requirements for 80 metre length.	Layout of covered coal shed - drawing in .pdf format is already provided under Vol-1A S.No. 11 and detailed drawing in AutoCAD format shall be provided to the successful bidder at the time of detailed engineering. Tentative opening location is already marked in the plan. As per the tender doc under section pg 3 of 3 “ Scope of work”, min clearance of 1.5M shall be maintained from the equipment/ machines
2	-----	Wind load consideration - $V_z = K_1 \times K_2 \times K_3 \times K_4 \times V_b = 1 \times 1.14 \times 1 \times 1 \times 50 = 57 \text{ m/sec}$. K_4 – factor is assumed as 1 . Confirm the same. $p_z = 0.6 \times V_z^2 = 0.6 \times 57 = 198.7 \text{ kg /m}^2$, $P_d = 1.0 \times 0.9 \times 0.9 \times P_z = 161.0 \text{ kg/m}^2$.	Shall be considered as 1.15 as per the specifications & codal provisions.
3	-----	Ridge ventilator , required or not .	Ref Sec 1.0 under “scope of work”.
4	-----	Maximum width of centre column RCC / composite – Kindly mark the maximum width – at 18m height . (this being a critical dimension to design the central support for both the curves).	As per the tender drg min dimension of centre RCC shall be of 1M Min. However, width across the shed shall be as per the design.
5	-----	Minimum pipe thickness for space frame .	Minimum thickness for tubular sections shall be 5mm.

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6	-----	Both gable ends are completely open.	Either side in longitudinal direction shall be kept open for the movement of stacker equipment . For clarification refer the drg/sketch provided in the tender doc.
7	-----	Page no 56 of 276 : 9.04.0 following points needs clarifications. i) For roofing & cladding supporting members as per document Span / 325 – we have considered as per IS code i.e span /150 ii)Vertical deflection values are given in clause 9.04.0 –we have considered as per IS code i.e span /180 iii)Horizontal deflection values are given in clause 9.04.0 –we have considered as per IS code i.e span /150	i)Technical specifications prevails. ii)Technical specifications prevails. In absence of data in technical specifications, codal provisions shall be followed. iii)Technical specifications prevails. In absence of data in technical specifications, codal provisions shall be followed
8	-----	We have considered dust load of 50 kg/sqm & temp load of 20 deg C, No other additional loads are considered.	Temperature load shall be as per the pg-4, Special Technical Requirement, Section C1. Apart from other loads provided in specifications and required/ acts on the structure shall be considered by the bidder.

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9	-----	We have considered live load of 75 kg/Sqm as per IS 875 part II. But as per document Pgno 47 imposed loads are given for various building types but for coal shed no data is available. Please confirm whether any load has to be considered in addition to 75 kg/sqm'	In absence of data in technical specifications, codal provisions shall be followed.
10	-----	Intensification factor isn't considered	Not clear . However, all loads shall be as per codal provisions & specifications.
11	-----	Slenderness ratio of 250 is considered for compression members & 350 for tension members as per IS code. In pg no 58 span / depth values are given – please clarify.	Shall be as per codal provision.
12	-----	We have considered wind load as per IS 875 – Part III – 2015 with K4 factor of 1.15 value considered.	Agreed
13	-----	Majority of sections are HR sections for columns & rafters.	Will be confirmed only during detail engineering & upon customer approval. Design shall be as per tender specs & codal provisions
14	-----	Concrete grade will be given as per design @ detailing stage.	Will be confirmed afterward during detail engineering.
15	-----	Rainfall intensity of 150mm/hr is considered for gutter & downtake design.	For rainfall intensity please refer the tender doc Pg-5 , Special Technical Requirement, Section C1 .

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<u>Note:-</u> All other Terms & Conditions remain unchanged. Bidders are requested to consider this Corrigendum as part of the Tender Specification and quote accordingly. -sd- Yasodha.G Dy. Manager/Purchase			