

Ref. No. : PE/PG/BIF/E-6490/2020/CORRIGENDA/1

Date : 04.09.2020

CORRIGENDA / ADDENDUM-1

PROJECT: 2X660 MW BIFPCL MAITREE KHULNA STPP-BANGLADESH

TENDER ENQUIRY FOR WORKSHOP EQUIPMENTS (O & M STORES and PACKING ITEMS FOR STORES)

ENQUIRY No: PE/PG/BIF/E-6490/2020 dated 14.08.2020

DUE DATE

15-Sep-2020

BY 10:00 AM (IST)

1. Please find below clarifications :

S No	Bidders' Observation	BHEL Reply
1.	We need Layout and elevation drawing to understand the orientation of different types of racks to be placed in the different areas.	Refer technical specification page no. 389 of 389 (Layout Drawing). Dimension of storage building is final, however any minor modification in layout shall be considered during detail engineering.
2.	4 way pallets are asked of size 1200 x 800 with 2000 kg load bearing capacity. As mentioned in the tender for pallets UIC 435 code to be followed which is applicable for wooden pallets. Kindly confirm.	Bidder Understanding is correct and same is according to technical specification requirement.
3.	Also depth of pallet racking is 800 mm and pallets size is 800 mm. Do we need to give decking in racks to place the pallets or depth of racking should be 600 mm.	Depth of pallet racking is 900 mm as per technical specification, accordingly bidder to design.
4.	For all the items, both racking and Material handling equipment/other machines items, it has been to asked to follow International standard codes rather than Indian standards. For racking system we follow only IS 800 and 801 which is Indian standard.	Bidder to follow the specification requirement.
5.	In pg 13, tech spec - 1, painting schedule is mentioned with total 290 microns. But for racking system, we shall give powder coated material with 40 - 50 microns. In page no 118 of the tender, they asked for galvanized material for whole racking system.	Bidder to follow the specification requirement. Further detail shall be finalized during detail engineering.
6.	In pg 22 tech spec - 1, makes of different items like motors, belts, paints etc has been mentioned. For which items in our scope of work, these makes are applicable?	Scope of supply is clearly defined in Section I, sub section IA clause 1.0 of technical specification. Further bidder to consider make of applicable items from Annexure-I.
7.	Seaworthy packing is required for racking and MHE's ? in tech spec -1, there is nowhere mentioned how to pack racking & MHE's.	Bidder to follow guidelines mentioned for packing in the technical specification. Details shall be finalized during detail engineering.
8.	In pg 117, dust proof cabinets is asked. Kindly confirm whether you are asking for slotted racks fully covered with sheets or is it a separate item?	Bidder to follow the specification requirement as per scope of supply.

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9.	For pallet racking, you are asking for safety railings and clamps to fix ladders and other attachments at the height of 3 metres. We need the drawing for the same.	Bidder to follow technical specification. Bidder to submit drawing during detail engineering for BHEL review / approval.
10.	Kindly note in the technical Spec -1 are total 202 pages, out of 202 pages only 05 pages are about the racking systems (page no 114 of 389 to 119 of 389). Rest other pages for related to this tender or not.	Scope of supply is clearly mentioned in the specification.
11.	SPR (30 Unit) SPR with G+3 with beam span of 2650mm and depth 800mm with frame height of 4500mm (shown in drawing). 1. Do we need to provide decking, PSB or GTPS since pallet depth frame depth are same. 2. Overall available unit quantity is 30 No's (240 Pallet) but in drawing they have shown 36 No's (288 Pallet), please confirm.	1. Depth of pallet racking is 900 mm as per technical specification, accordingly bidder to design. 2. Quantity of Pallet shall be 288 nos. as defined in scope of supply in the technical specification.
12.	Cantilever Pitch 1500mm (shown in drawing). 1. Please advise No. of levels required. 2. Arm length (std arm size 500mm, 750mm & 1000mm), Load per arm. 3. SKU to be stored. 4. Decking surface is required or not.	Each arm should be designed for bearing load of 1000 Kg, there shall be four loading levels with Vertical Height between two arm to be 750 mm, length of arm to be 900 mm (Approx.), horizontal distance between two arms are already indicated as 1500 mm in drawing at page no. 389 of 389 of technical specification.
13.	Long Span (63 Unit) Width 1800mm, Depth 900mm with 5 loading level (shown in drawing). 1. Kindly confirm the unit depth whether it is 450mm or 900mm, since "nit-boq-annexure-1-1597403765.pdf" Annexure 1 table is stating with 450mm depth.	Please note that depth as mentioned in section I sub section IA, clause I- O & M Store S. No B 10 page no 6 of 389, should be read as 900 mm instead of 450 mm. This is in line with Layout drawing (refer technical specification page no. 389 of 389).
14.	Long Span (38 Unit) Width 1800mm, Depth 450mm with 5 loading level (shown in drawing).	Bidder understanding is correct.
15.	Nit-boq-annexure-1-1597403765.pdf (Annexure 1 table)" Pg No:2/4. 1. SL No: A-4 , pallets will not be in our scope of supply. 2. SL No: A-5 , Bins will not be in our scope of supply. If BIN is our scope, pls share BIN material and type.- 3. SL No: A-6,12 & 17 , Pls Provide sample warning indication- Do we need to provide only plate, Sticker or Fixing arrangements alone. If plate + stickers kindly provide the detailed drawing or images of warning notice. 4. SL No: A3, 7, 8, 9, 11, 13, 14, 16, 18, 19 : Need more clarity to proceed. 5. SL No: A20-28 : Confirm whether it is our scope or not. Request you to kindly share Cad file of the drawing.	1. Same is in bidder scope. 2. Bin should be Stackable type, MOC should be industrial grade plastic and load carrying capacity of bins should be 30 kg (approx..). 3. Bidder to follow the technical specification requirement. Further detail shall be finalized during detail engineering. 4. Details mentioned in technical specification is sufficient. Further detailing shall be finalized during detail engineering. 5. Bidder has to quote all items either of group I-O & M Store and Group II Packing items for stores or both groups as clearly specified in price schedule. Same shall be provided during detail engineering.

16.	(A)Storage Area for Heavy and Long Parts (i)SPR 4500mm (H) x 2650mm (W) x 800mm (D), (G+3, 2000 UDL) – 3 Qty Main Module, + 26 Qty add on module – 174 pallet position (ii) Cantilever - 10 Meter long Double Sided Cantilever (height not mentioned) Please provide Max height of loading level, distance between two arms (horizontally), distance between to arm (vertically), loading capacity per arms, total no of loading levels required, Dimension of material to be stored on cantilever (iii) Pallets - Pallets 1200mm X 800mm – 288 Qty Please provide below information of pallet required. - Type of Pallet (Please find attached for reference) - MOC of pallet wooden/Steel/Plastic (iv) Bins - Bins Size Min. 600X400X300 mm – Qty 3000 Please provide below information of bins required. - Type of Bin (Stackable or non-stackable) - MOC of Bin (Plastic or Steel) - Weight carrying capacity of bins (v) Shelving - 6000 (L)X 2000 (W)X 700 (D) mm – 1 Qty (load capacity 500 kg) Please provide below information of shelving required. - No of loading levels - Weight carrying capacity per shelf - Height of shelf	(i) BOQ mentioned at page 5 of 389 is to be followed. (ii) Each arm should be designed for bearing load of 1000 Kg, there shall be four loading levels with Vertical Height between two arm to be 750 mm, length of arm to be 900 mm (Approx.), horizontal distance between two arms are already indicated as 1500 mm in drawing at page no. 389 of 389 of technical specification. (iii) Please refer technical specification page no. 115 of 389 (clause no B12.5.2) (iv) Bin should be Stackable type, MOC should be industrial grade plastic and load carrying capacity of bins should be 30 kg (approx..). (v) Loading levels 4, Height of shelf 500 mm and load bearing capacity in each level 500 Kg.
17.	(B)Storage Area for Spare Parts and Unpacked parts (i) Shelving - 3000mm (H) x 1800mm (W) x 450mm (D) having 6 panels and 5 compartments. Each compartment will take 200 kg/udl – 63 Units - Kindly share image and size of 6 panels and 5 compartments- - Kindly share the width of compartments and loading capacity per compartment - Height of every loading levels - Total no of loading levels (ii) 3000 (L) X 2000 (W) X 600 (D) mm – 500 kg UDL - Total no of loading levels - Height of every loading levels	(i) Please refer technical specification page no. 389 of 389 (Layout Drawing), as per which 5 compartments with covering panel at top are to be provided and no of unit shall be as per BOQ. (ii) Loading levels 4, Height of shelf 500 mm and load bearing capacity in each level 500 Kg.

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	Loading capacity of every level	
18.	(C)Storage Area for Electrical / Electronic parts (i) Shelving 3000mm (H) x 1800mm (W) x 450mm (D) – 200 kg UDL – 38 Units - Total no of loading levels - Height of every loading levels - Loading capacity of every level (ii) 3000(L) X 2000 (W) X 600 (D)mm – 500 kg UDL – 1 Unit - Total no of loading levels - Height of every loading levels - Loading capacity of every level	(i) Please refer technical specification page no. 389 of 389 (Layout Drawing). (ii) Loading levels 4, Height of shelve 500 mm and load bearing capacity in each level 500 Kg.
19.	Installation will be done by supplier at site in Bangladesh?	Supervision of Erection and Commissioning by Bidder.
20.	Can we quote only for racking and pallets excluding MHEs?	No, bidder has to quote all items either of group I-O & M Store and Group II Packing items for stores or both groups as clearly specified in price schedule.

2. The bid submission due date is extended up to **15.09.2020 at 10:00 A.M.** Bidders are requested to submit their offer on or before the due date and time. Kindly contact the undersigned in case of any queries.

Thanking You.

For & on Behalf of BHEL,



Swati Rawat
Senior Engineer/PG-I