Bid Number: GEM/2020/B/699833
Dated: 06-07-2020

Bid Document

Bid Details	
Bid End Date/Time	16-07-2020 18:00:00
Bid Opening Date/Time	16-07-2020 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Shipping
Department Name	Na
Organisation Name	Indian Maritime University
Office Name	Navi Mumbai
Total Quantity	2
Item Category	Santry Post
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No

ePBG Detail

Required	No

Splitting

Bid splitting not applied.

Santry Post (2 pieces)

Technical Specifications

[* As per GeM Category Specification]

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	**Type of Santry Post**	With Verandah	With Verandah, Without Verandah
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller	Knocked Down To Be Assembled At Consignee Site By The Seller
	Transportations / Freight charges	Offer Prices are on Free Delivery at Consignee site basis	*
	Approval of Advance sample	After award of contract - Seller shall have to get Advance sample approved from Buyer before manufacturing / starting Bulk supplies - Buyer shall approve / provide list of modifications required within 10 days of offer of advance sample - If there is delay in approval of advance sample from Buyer side - the delivery period shall be regularized for the period of delay in sample approval.	*
	Foundation for santry post	Building of Foundation at site shall be the responsibility of the Consignee and the Seller shall Install / Erect and Commission the structure on the foundation constructed upto plinth level by the Consignee.	*
	Special Condition	Scope of supply includes Supply and Erection of Sentry Post at consignee site hence Offer Price to include all these cost components. Further, Offer Prices are on Free Delivery at Consignee site basis hence Transpotations / Freight charges are to be included in Offer price.	*

	Building of Foundation at site shall be the responsibility of the Consignee and the Seller shall Erect the structure on the foundation constructed upto plinth level by the Consignee. In case advance sample is required, after award of contract, Seller shall have to get Advance sample approved from Buyer before manufacturing / starting Bulk supplies. Buyer shall approve / provide list of modifications required within 10 days of offer of advance sample. If there is delay in approval of advance sample from Buyer side, the delivery period shall be regularized for the period of delay in sample approval.	
Time period for completion of Erection work at site by seller	Within 30 days of the date of receipt of consignee's confirmation regarding completion of ground and foundation work	*
Suitability / structural stability / completness of structures, the structure is intended for use in	Under normal condition	*
Shape of Santry post	Rectangular	*
Roof to be provided	In Two way slope	*
Insulation of Wall / Roof / door panels	Insulation core of panel to be formed in one piece and provides desired structural and physical properties	*
Built Type	Modular	*
Feature	Easily assembled	Easily assembled, Easily assembled - ECO Friendly
Partition	With partition	*

	Ventilation	1 no. ventilator - made out of Aluminium adjustable Louvers type channel and to be fixed in wall panel with suitable fastners	*
PANEL MATERIAL	**Side wall panel material**	Insulated walls to be made of continue line sandwich panels with 0.35 mm thick pre-coated steel sheet (PPGI sheet) having 120GSM with minimum 4 microns epoxy primer on both sides of sheet and polyester top coat minimum 15 microns ON BOTH SIDES OF PUF.	Fibreglass Reinforced plastics (F.R.P), 18 gauge MS vertically corrugated sheet, MS sheet Cofmg. to IS 1079 / latest, MS sheet Cofmg. to IS 513 / latest, Insulated walls to be made of continue line sandwich panels with 0.35 mm thick pre-coated steel sheet (PPGI sheet) having 120GSM with minimum 4 microns epoxy primer on both sides of sheet and polyester top coat minimum 15 microns ON BOTH SIDES OF PUF., Internal wall of 8 mm thick and external wall of 9 mm heavy duty fire and water proof of cement fibre board sandwich wall., Made out of plain GI sheet 0.63 mm thick chemically treated
	Door panel material	Flush door 32 mm thick water proof.	Insulated Doors to be made of continue line sandwich panels with 0.35 mm thick pre-coated steel sheet (PPGI sheet) having 120GSM with minimum 4 microns epoxy primer on both sides of sheet and polyester top coat minimum 15 microns ON BOTH SIDES OF PUF., Flush door 32 mm thick water proof.
	Window panel material	Board Aluminium frame (60 mm x 30 mm) sliding shutter with 5 mm plain glass.	Powder coated aluminium sliding windows with 4 mm tinted Glass, Board Aluminium frame (60 mm x 30 mm) sliding shutter with 5 mm plain glass.

Door and Window canopy material	Fibreglass Reinforced plastics (F.R.P)	Fibreglass Reinforced plastics (F.R.P)
Floor / Verandah panels	19 mm thick marine grade plywood confmg. to IS 710 / latest to be laid on top and secured by self - tapping screws to the base members - Covered with 2 mm thick PVC sheets	24 mm Block board thickness with FRP coating checkers style, 19 mm thick marine grade plywood confmg. to IS 710 / latest to be laid on top and secured by self - tapping screws to the base members - Covered with 2 mm thick PVC sheets, 16 mm thick marine grade plywood with Vinyl carpet, To be 15 mm heavy duty cement fibre board inside and outside texture paint., 18 mm thick BWP plyboard mounted on top and above that PVC to be attached on above surface.
Roof panel material	Insulated Roof to be made of continue line sandwich panels with 0.35 mm thick pre-coated steel sheet (PPGI sheet) having 120GSM with minimum 4 microns epoxy primer on both sides of sheet and polyester top coat minimum 15 microns ON BOTH SIDES OF PUF.	Fibreglass Reinforced plastics (F.R.P), 18 gauge MS corrugated sheet, 2 mm thick plan MS sheet Confmg. to IS 1079, 2 mm thick plan MS sheet Confmg. to IS 513, Insulated Roof to be made of continue line sandwich panels with 0.35 mm thick pre-coated steel sheet (PPGI sheet) having 120GSM with minimum 4 microns epoxy primer on both sides of sheet and polyester top coat minimum 15 microns ON BOTH SIDES OF PUF., Made out of plain GI sheet 0.63 mm thick chemically treated
Insulation material for sides and End walls	Resin bonded with EPS thermo-Cole 75 mm thick - sand casted and texture finish / color (outside only)	With 50 mm thick glass wool, With polyurethane foam (PUF) having density 40 Kg/CuM ± 2 Kg / CuM., 30 mm high density thermocol., Resin bonded with EPS thermo-Cole 75 mm thick - sand casted and

			texture finish / color (outside only), N.A
	Insulation material for Roof	With 75 mm thick glass wool	With 75 mm thick glass wool, With polyurethane foam (PUF) having density 40 Kg/CuM ± 2 Kg / CuM, 30 mm high density thermocol., Resin bonded with EPS thermo-Cole 75 mm thick - sand casted and texture finish / color (outside only), N.A
	Inside panel material for sides, end walls & roof	Consists of 8 mm thick pre-laminated board	Consists of 8 mm thick pre-laminated board, N.A
FRAME MATERIAL	**Roof frame**	Made of MS having stiffner Top 40 mm x 20 mm x 3.2 mm thick	Made of MS having stiffner Top 40 mm x 20 mm x 3.2 mm thick, Made of MS having stiffner Top 40 mm x 20 mm x 3.5 mm thick, Made of MS having stiffner Top 40 mm x 20 mm x 4 mm thick, Made of MS having stiffner Top 50 mm x 25 mm x 2.5 mm thick and 32 mm x 32 mm x 2 mm MS sq. tubes, Supported MS structure with Column - Truss - Portal truss - Purlin - Tie member, MS frame of 32 mm x 32 mm size 16 gauge square hollow tube section.
	Side Panel frame	Made of MS having stiffner Top 40 mm x 20 mm x 3.2 mm thick	Made of MS having stiffner Top 40 mm x 20 mm x 3.2 mm thick, Made of MS having stiffner Top 40 mm x 20 mm x 3.5 mm thick, Made of MS having stiffner Top 40 mm x 20 mm x 4 mm thick, Supported MS structure with Column - Truss - Portal truss - Purlin - Tie member, MS frame of 32 mm x 32 mm size 16 gauge square hollow tube section.

	Floor panel frame	MS having 50 mm x 50 mm x 1.2 mm	MS having 50 mm x 50 mm x 1.2 mm, MS having 50 mm x 50 mm x 1.5mm, MS having 50 mm x 50 mm x 2 mm, MS having 50 mm x 50 mm x 3 mm, To be made out with 1.2 mm MS folded section in required size and shape., MS frame of 32 mm x 32 mm size 16 gauge square hollow tube section.
	Window panel frame	Aluminium glazed sliding window anodized sections frame	*
	Understructure	Made up of MS pipe 50 mm x 50 mm x 1.2 mm thick for vertical and beside - Centre block and outer ride with 25 mm x 25 mm x 2 mm thick MS pipe	*
Dimensions and Thickness	**Outside Length ± 15 mm**	2440 mm	1220 mm, 1525 mm, 1830 mm, 2440 mm, 3050 mm, 3960 mm
	Outside Width ± 15 mm	1830 mm	1065 mm, 1220 mm, 1830 mm, 2440 mm, 3050 mm, 3660 mm
	Total Height (mm) ± 15mm	2135 mm	2440 mm, 2590 mm, 2750 mm, 2135 mm
	Room size (Inside) ± 15 mm	2440 mm x 1830 mm	2440 mm x 1830 mm
	Size of Big Window ± 10 mm	900 mm x 900 mm	*
	Size of Small Window ± 10 mm	610 mm x 610 mm	*
	Door Width ± 5 mm	915 mm	*
	Door Height ± 10 mm	1830 mm	*
	Size of Door handle	SS 304 Latch 200mm	*
	Size of Tower bolt	SS 304 125 mm	*
	Size of Aldrop	200 mm x 16 mm of SS 304	*
	Size of door hinges	100 mm of SS 304	*
	Size of Door / Window Chajja (projection if any) ± 10 mm	455 mm wide 45 degree slope	*

	Roof projection (if any) ± 10 mm	300 mm from the Eaves wall and 150 mm from the Gable walls	300 mm from the Eaves wall and 150 mm from the Gable walls
	Total thickness of Wall panel ± 2 mm	40 mm	75 mm, 40 mm, 30 mm, 20 mm, 15 mm
	Total thickness of Roof panel ± 2 mm	15 mm	75 mm, 30 mm without Crest, 20 mm without Crest, 15 mm
	Total thickness of Door panel ± 2 mm	35 mm	35 mm
	Roof ridge height ± 10 mm	Total height (i.e. height of side panels) + 610 mm	Total height (i.e. height of side panels) + 610 mm
	Size of Verandah ± 10 mm	2440 mm x 1830 mm	2440 mm x 1830 mm, N.A
MISCELENIOUS	Number of Door hinges	2 nos.	*
	Number of Door handles	2 nos. (1 no. each inside and outside)	*
	Number of Tower bolt	1 nos.	*
	Number of Aldrop	1 nos.	*
	safety Grills (for windows)	Made from MS square bar of 8 mm having equal spacing of 125 mm	*
	Door to be provided	On one of the longer side	*
	Electric provision	Electric points for fan - One light - One bulkhead fitting point - 5 amp. power point - Switch board - Double pole MCB 20A with metal enclosure - continuous earth wires to be provided and also external earth terminal to be provided.	Electric points for fan - One light - One bulkhead fitting point - 5 amp. power point - Switch board - Double pole MCB 20A with metal enclosure - continuous earth wires to be provided and also external earth terminal to be provided.
	Number of Doors	2	*
	Number of Windows	2 nos. Big windows	1 no. Big window, 2 nos. Big windows, 1 no. Big and 1 no. small windows, 1 no. Big and 2 no. small windows
	Lifting Hook	With	*
	Welding	To be carried out by MIG process	*
	Doors (against water ingress in closed	To be sealed by using rubber gasket profiles.	*

	condition)		
	Roof slope	1 : 4 (approx) Self Draining Type	*
	Door opening	External	*
	Scratch protector (for PPGI sheet)	Plastic protective guard film of minimum 20 microns on PPGI sheet	Plastic protective guard film of minimum 20 microns on PPGI sheet, N.A
	Panel joint	N.A	*
	Roof ridge	To be made out from 0.45 mm thick PPGI sheet	To be made out from 0.45 mm thick PPGI sheet, N.A
	Flashing item (U track, L corner etc)	To be made out with 0.45 mm thick PPGI sheet in require size and shape.	To be made out with 0.45 mm thick PPGI sheet in require size and shape., N.A
COLOUR & FINISH	**Colour**	As per Buyer's choice	As per Buyer's choice
	Primer coats to panels and Under structure	One coat of red oxide	Zinc Rich Epoxy primer 15 - 20 microns, One coat of red oxide, N.A
	Intermediate coat	Epoxy polyamide 50 microns	Epoxy polyamide 50 microns, Epoxy polyamide 60 microns, N.A
	Top coat	Bituminous paint	Chlorinated rubber paint 50 microns, Bituminous paint, N.A
	Paint	Two coats of synthetic enamel paint to be applied on expose structure and all MS items after intallation.	Two coats of synthetic enamel paint to be applied on expose structure and all MS items after intallation., Inside and outside to be of Weather texture roller paint, N.A
WARRANTY	**Warranty period in number of years**	1	1
CERTIFICATION	**Test reports to be furnished to buyer's on demand**	Yes	Yes

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Smita Ghaitadke	400706,Indian Maritime University, Navi Mumbai Campus, Karave, Nerul, Navi Mumbai- 400706	2	30

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

This Bid is also governed by the General Terms and Conditions

---Thank You---