

**NOTICE INVITING TENDERS FOR SETTING UP OF
"SPICES INDIA SIGNATURE STALL AND MUSEUM OF SPICES PROCESSING
MACHINES"**

AT

INDIAN INSTITUTE OF PLANTATION MANAGEMENT, BENGALURU

The SPICES BOARD OF INDIA, Ministry of Commerce and Industry, Govt. of India invites tenders for submission of design, setting up and maintenance of Signature Stall and Museum of Spices Processing Machines to be set up at the Indian Institute of Plantation Management Campus in Bengaluru, Karnataka.

The concept of signature stall is to inform, educate, and entertain the visitors by showcasing different spices and products of 'Spices India'. The museum shall demonstrate the processing of different spices and explain the various aspects of production and processing of spices in a nutshell serving as a platform for promoting spices and spice products.

The sealed tenders along with an Earnest Money Deposit of Rs. 50,000/- (Rupees Fifty Thousand) in the form of Demand Draft in favor of Secretary, Spices Board, Kochi, shall reach the following address not later than 5 pm on 28 December 2017.

Assistant Director (Publicity)

Spices Board,

Sugandha Bhawan

N H By Pass, Palarivattom,

Kochi — 682 025

Kerala

Eligibility Criteria

1. The bidder should have sufficient knowledge, experience, reference material and expertise in setting up and creating specified detailing in the interior design layout mentioned in the tender. The bidder should also have capability and expertise in executing the mechanical, electrical, plumbing, HVAC, security, etc., mentioned in the tender document.
2. The bidder shall do the work in an aesthetic and appealing manner in line with the existing dimensions of space available in the designated area and requirements stated by the designers.
3. The bidder should have a dedicated team capable to ensure that the manpower in hand is capable of executing the works as described in (1) above.
4. The bidder should have at least 5 years of experience in executing the works as described in (1) above.

5. The bidder should have an annual turnover of at least Rs. 2 Crores (Rupees Two Crores) average for last three years.

Scope of Work

The project space envisaged for the Signature Stall has been mentioned in the layout. Subject to over all supervision and control by Spices Board and Life Inspired (Design Consultant), the scope of services to be provided has been included in the annexures.

It may please be noted that the detailed technical drawings will be shared only on receipt of EMD.

Payment Terms

Spices Board will pay 30% advance payment of the approved project cost while issuance of the work order. Another installment of 40% upon completion of the work, 20% on commissioning to the entire satisfaction of Spices Board and Life Inspired (Design Consultants) and the remaining 10% payment will be done after the defect liability period of 1 year.

Timeline of the project

Months	January 2017	February 2018	March 2018
Work Order	*		
Civil	*		
MEP	*	*	
Carpentry & Joinery		*	
Electrical and Electronic Fixtures			*
Testing			*
Commissioning			*

GENERAL INSTRUCTION TO BIDDERS AND SPECIAL CONDITIONS

I. Sealed Tenders shall be submitted in two envelopes consisting of the following:

Part - I - Technical Bid accepting terms and conditions of the tender furnishing details as per Annexures A & B.

An Earnest Money Deposit (EMD) of Rs 50,000 (Rupees fifty thousand only), by way of Demand Draft drawn on any Bank in favor of Secretary, Spices Board, Kochi shall be enclosed in a sealed cover and attached to the technical bid. If the applicants wish to obtain detailed technical drawings, the EMD may be sent beforehand with a covering letter.

Part- II - Financial Bid as per Annexure C.

The cover should be properly sealed and clearly superscribed as:

"Part-1 Technical Bid - Tender for setting up of the Signature Stall and Museum of Machines for Spices Board" and "Part- II Financial Bid- Tender for setting up of the Signature Stall and Museum of Machines for Spices Board"

Tenders should be addressed to Assistant Director (Publicity), Spices Board, Palarivattom, Kochi, Kerala, with respective cover details, so as to reach not later than 5pm on 28th December 2017.

- 1. Bids that are not submitted in two separate covers shall be summarily rejected.**
- 2. No tender will be entertained after 5pm on 28th December 2017 under any circumstances, whatsoever.**
- 3. (a) Part - I: Technical Bid will be opened on 29th December 2017 at 11:30 am.**
 - (b) The bidders will be required to make an audio visual presentation (Power Point or any appropriate format) of maximum 15 minutes duration about the concept, technology used and raw materials proposed.**
 - (c) Bidders who score a minimum of 80% marks in the Technical bid and presentation will only be qualified for opening of their financial bids.**
- 4. Part – II: Financial Bid of the technically qualified bidders will be opened on the same day or later, which shall be advised separately to the bidders.**
- 5. Technical Bid will be evaluated by the committee identified by Spices Board.**
- 6. The bidder must substantiate all claims made in the Technical Bid by submitting the copies of the following documents as enclosures to the technical bid:**
 - (a) Copy of Annual Reports / Audited Balance Sheet, and IT Return for the last 3 years ie; Financial Years 2016-17, 2015-16 and 2014-15**
 - (b) Statement of Experience (including name of clients(s), nature of project and number of years) in executing similar or related work.**
 - (c) PAN, TAN, ST No. & Service Tax No., GST / VAT No. (whichever is applicable)**

(d) Profile of Management Team, Organization Structure, Employee Strength

(e) Photographs/ Videos of projects undertaken

8. The Tender shall remain valid for an acceptance period of 45 days from the date of opening the financial bid and the bidder shall not cancel or withdraw the tender during this period, failing which the EMD submitted will be forfeited.

9. (a) Each page of the tender document shall be signed by the person or persons submitting the tender as a token of his/their having acquainted himself/themselves with the Eligibility criteria, Scope of work, General Conditions of the Tender, General Specifications, and Special Conditions etc., as laid down. Any tender with any of the documents not so signed will be rejected.

(b) The tender submitted on behalf of a firm shall be signed by the person who has the necessary authority on behalf of the firm to enter into the proposed contract. Otherwise the tender may be rejected by SPICES BOARD.

10. SPICES BOARD reserves the right to reject / fail any application without assigning any reasons thereof. Mere submission of an offer to SPICES BOARD does not entitle an applicant to any benefits / rights / preference. Canvassing in any form is prohibited and will lead to disqualification.

11. The bidder shall keep confidential all the information relating to work or to any other aspect of SPICES BOARD's business that comes into his possession as a result of or in connection with this work.

12. The EMD deposited by the successful bidder shall be kept in possession by SPICES BOARD as a security deposit for a period of minimum 3 years or till the completion of AMC, whichever is later.

II. BIDDER TO INFORM HIMSELF FULLY:

1. SPICES BOARD shall be the sole owner of the installations after successful commissioning and the contractor or anybody representing him shall not have any claim whatsoever on the works after commissioning.

2. The contractor shall indemnify SPICES BOARD against any loss/claim whatsoever in respect of the workers employed by the contractor for construction and also for AMC.

3. Any statutory payments/remittances like EPF contribution in respect of the workers shall be the sole responsibility of the contractor.

4. If the bidder shall have any doubt as to the meaning of any portion of the general conditions, or the special conditions or the size and scope of the work or the specifications and drawings or any other matter concerning the contract he shall in good time, before submitting his tender, put forth the particulars thereof and submit them to SPICES BOARD in writing in order that such doubts may be clarified authoritatively in writing before tendering. Once the tender is submitted, the matter will be decided according to tender conditions in the absence of such authentic pre-clarification.

5. The bidder may also visit the SPICES BOARD Head Office to know about the requirements in person on any working day during office hours. In case of any clarification, you may please contact the following official on any working day during office hours:-

Assistant Director (Publicity)

SPICES BOARD

Sugandha Bhawan,

N H Bypass, Palarivattom,

Kochi — 682 025, Kerala

Tel. No.: 0484-2333610 Ext 259

Email : prathyush.tp@nic.in

I/We hereby declare that I/We have read and understood the above instructions for the guidance of bidders.

Annexure A

Sl no.	Specifications	Details
1	Name	
2	Year of Establishment	
3	Place of Incorporation	
4	Address of Registered Office	
5	Address of Office in Kerala, if any	
6	Details of branches/associate offices:	
7	Company profile : (Details of facilities available)	
8	Legal status of Bidder : (proprietor/partnership/private ltd/public ltd)	
9	GST Registration (enclose copy) :	
10	PAN no (enclose copy) :	
11	Contact details of CEO/head of the agency : (name, address, phone, email, mobile)	
12	Work Experience (provide details of work with Government /Ministries/PSU clients and others)	
13	Turnover : (Enclose supporting documents and duly filled Annex B)	

SIGNATURE & NAME (along with seal)

Annexure B

FINANCIAL STATUS OF THE APPLICANT

Fill in the blanks for each of the last three fiscal years, duly certified by Chartered or Public Account or Chamber of Commerce

1 . Turnovers during last 3 years:

Amount of	2014-15	2015-16	2016-17

(Signature of Applicant)

Annexure - C

Spices Board of India							
Signature Stall, IIPM, Bangalore							
TENDER FOR INTERIOR WORKS				Tender Date			
				2017-11-27			
S. No	Description			Quantity	Unit	Rate	Amount
A	Civil works						
1	PARTITION WALL WORKS						
	FULL BRICK PARTITION WALLS: Providing and laying 9" thick brickwork in partition walls, parapets, architectural elements etc., with well burnt 1st class table molded, good quality approved bricks in 1:4 Cement Mortar (1 Cement : 4 Coarse Sand by volume) including providing 2 Nos., 6 mm dia., MS round bars at every 4th course, including soaking the bricks in water adequately and drying, scaffolding, curing, rubbing the surface, raking out the joints etc., complete as directed and specified for walls, parapet, platform supports etc.			qro	sqm		
	BRICK JAALI: Providing and laying brickwork as per design in DRAWING 1.5.1. With well burnt 1st class table molded, good quality approved bricks in 1:4 Cement Mortar (1 Cement : 4 Coarse Sand by volume) including providing 2 Nos., 6 mm dia., MS round bars at every 4th course, including soaking the bricks in water adequately and drying, scaffolding, curing, rubbing the surface, raking out the joints etc., complete as directed and specified for walls, parapet, platform supports etc., at all floor levels. Changes in design to be approved by the designer.						
	PLASTERING: - On walls and ceiling in cement mortar. Rate to include any surface preparation etc. all complete.			qro	sqm		
	PARTITION WALLS: 80 mm Thick V-Panel concrete boards as per manufacturers standards, finished with cement mortar and cement plaster on the phase of the wall.			qro	cum		
	DISMANTLING - WALLS: Demolition of existing V-Panel walls as specified - Rate to include demolition w/o any damage to item. Rate also to include carting away the debris from the site on the same day. Rate to include making good the damaged portion with Cement plaster as directed. Items to be stored for reuse as needed.			qro	sqm		
	DISMANTLING - FALSE CEILING: Dismantling of existing false ceiling in areas demarcated in DRAWING 0.2. Rate to include demolition w/o any damage to any other other item. Rate also to include carting away the debris from the site on the same day. Rate to include making good the damaged portion with Cement plaster as directed. Dismantled items to be stored for reuse as needed.						

	DISMANTLING - FIXTURES AND FITTINGS: Dismantling of existing fixtures and fittings including electrical, plumbing, civil, wooden and other areas as specified - Rate to include demolition w/o any damage to any other other item. Rate also to include carting away the debris from the site on the same day. Rate to include making good the damaged portion with Cement plaster as directed. Dismantled items to be stored for reuse as needed.	qro	sqm		
2	FLOORING AND CLADDING WORKS				
	Note:				
	Rates quoted in the following items shall include cost of all surface/substrate preparation, base plaster coat in the case of wall cladding/dado works, protection of flooring by providing a polythene sheet and a layer of POP. Rates to including carrying out works on all levels and heights, cartage, wastage etc. Basic rates shall be the cost of material at suppliers place without taxes, Taxes, wastage upto 10%, carting, transport to site, labor for unloading, stacking, laying, cleaning and grouting etc all complete of the following items is to be taken by the contractor and added to basic price for quoting overall rate.				
	ENGINEERED BAMBOO FLOORING: Engineered bamboo flooring as per approved colour and make. Rate to include surface preparation, levelling using POP if required and covering of the floor by plastic sheet securley and re covering it as required. Rate to include transition profiles as per manufacturer's standards fixed all along the edges. Rate to also include 50mm high matching skirting.	1000	sqm		
	POLYURETHANE RESIN FLOORING: 6mm thick polyurethane flooring (Flowcrete Peran SL Grey or equivalent) including necessary preparation of surface, such as sand blasting to remove any other foreign particles). complete all as specified and directed as per manufacturer's instructions.	1800	sqm		
3	OTHERS:				
	WATERPROOFING: Providing and applying Chemical waterproofing treatment using Sika Plastocrete or equivalent system in areas where toilets and other wet areas are being created. Rate to include dismantling existing screed/ flooring, surface preparation of mother slab, laying fresh screed to create slope, applying waterproofing system as per manufacturer's specifications and preparing the surface to received floor finish. Rate to include pond testing and making good any damages if leaks are found. - As per Designer's approved make and method statement for the works shall be submitted/ obtain approval prior to commencement of works.	qro	sqm		
	CORE CUTTING: to be carried out in the site based on the location as required. The location to be marked and approval to be sought from the basebuilder prior to the commencement of the process of core cutting- Hilti core cutting system or equivalent (specify cutting system details)	qro	sqm		

		Total c/o to summary (Rs.)			
B		Doors & Windows			
		TOUGHENED GLASS DOOR - D2: Frameless toughened glass door with 10mm thick toughened glass fixed to glass partition or a civil wall. Rate to include floor spring (dorma or equivalent) SS handles 2' long (Kich or equivalent) all complete. Size 1200 x 2100 mm	1	nos	
		TOUGHENED GLASS DOOR - D1: Same as above but double door of size 1500x2100 with 2 nos 750x2100 panels	2	nos	
		FLUSH DOOR - D4: Solid flush doors 30 mm thick - finished with laminate as per drg. Rate to include all hardware etc. all complete with Door closer (dorma or equiv) and Hafele Euro Profile thumb turn cylinder lock (or equivalent) - key outside, thumb turn inside. With 100 mm x 45 mm + 15 mm rebate solid beech wood frame. Size 900x2100	1	nos	
		WINDOW WITH SHELVES - W1: Custom made tempered glass shelving in window niche, as per DRAWING 3.1.1. Complete with 6mm tempered glass cut to design and fitted with SS fittings of dorma/hafele or equivalent make. Shelves to be backed by fixed 8mm toughened glass sheet complete with SS fittings of Dorma/Hafele or equivalent and sealants as required.	3	nos	
		WINDOW - STAINED GLASS - W2: 8mm toughened glass fixed window complete with SS fittings of Dorma/hafele or equivalent and sealants as required. Design to be approved/provided by client and designer.	1	nos	
		Total c/o to summary (Rs.)			
C		Wall finishes			
		PUTTY - WALL: Application of Altek / Birla or equivalent Putty to wall surfaces. Putty not to be applied on those surfaces which are getting panelled. All wall surfaces to be marked for putty work and approval taken	50	sqm	
		PUTTY - CEILING: Same as above but for ceilings.	qro	sqm	
		PLASTIC EMULSION PAINT - WALL: Supply and application of washable interior grade Dulux 3-in-1 pastic emulsion paint on walls with 1 coat of wallprimer and 2 or more coats of plastic emulsion paint as per manufacturer's specifications etc. all complete. All painting final coats to be done after removal of face plates of switch boards in coordination with the electrical contractor and face plates to be fixed only after satisfactory completion of painting.	qro	sqm	
		PLASTIC EMULSION PAINT - CEILING: Same as above but for ceilings.	qro	sqm	
		TEXTURE PAINT: Providing and applying of texture paint - Asian royale play or equivalent as per manufacturers specifications.	qro	sqm	

	ENAMEL PAINT: P&F applying semi gloss enamel paint on walls as per manufacturer's specifications (Asian paints or equivalent)	qro	sqm		
	Total c/o to summary (Rs.)				
D	Miscellaneous				
	PANELLING - LACQUERED GLASS - With 6mm "" lacquered glass (St. Gobain Planileque or equivalent make). Rate to include fixing directly on walls with SS fittings (Hafele or equivalent make). Rate to include 12x18 Brushed SS U channel when fixed directly on wall.	qro	sqm		
	ARCHITECTURAL FILM: Providing and fixing of 3M dusted crystal film on glass as per design and pattern. Rate to include shape cutting as per design.	qro	sqm		
	BOXING: Providing and fixing Plywood boxing in locations as per drg. with 8mm plywood over necessary Al. framework 50x50 in size finished with 1mm laminate. Rate to include providing grooves, shapes all as per drg., hardware all complete. Surface area of panelling around the boxing will be measured for payment.	qro	sqm		
	BOXING FOR STRETCH CEILING: Providing and fixing 350 mm deep boxing in locations as per drg. With 12mm commercial plywood over necessary framework of Aluminium sections of 50x25mm with painted finish as per shape all as per drg. with hardware all complete. Reflected ceiling area of boxing will be measured for payment.	14	sqm		
	Total c/o to summary (Rs.)				
E	False ceiling works				
	GYPSUM BOARD VERTICAL DROP: Supply and fixing of 12mm gypsum as per specifications mentioned in item 1a. The vertical drop is to be fixed and placed in plumb with the false ceiling below. The board to have wooden framed angle to be fixed to the true ceiling at standard spacing to make the vertical drop stable. The board to be finished with patty and two coats of paint as per approved shade. The bottom to have 25 mm wide mdf beading with duco paint finish as per approved shade.	qro	sqm		
	STRETCH FABRIC CEILING - 'Barisol' or equivalent. Rate to include supply and installation strictly as per manufacturer's specifications- to have maximum light transmission.	14	sqm		
	Extra over rate for removing and refixing the fabric - only erection charges.	15	sqm		
	ROPE CEILING: Providing and fixing false ceiling unit as per DRAWING 1.5.3	2	nos		
	WOODEN TRUSS CEILING: Providing and fixing wooden truss as per DRAWING 1.5.4	1	nos		

	STEEL MESH CEILING: Providing and fixing steel mesh ceiling as per DRAWING 2.4.1	9	nos		
	Total c/o to summary (Rs.)				
F	Furniture				
	CASH COUNTER: Rustic (distressed) finish painted teak wood counter as per DRAWING 1.6.9 complete with Dorma/Hafele or equivalent make fittings.	41	sqm		
	WALL MOUNTED SHELVING: Teak wood shelves 200mm deep to be fixed on walls as required finished with clear/stained polyurethane coating of MRF Woodcoat Ultra or equivalent make.	6	rm		
	OPEN SHELVING: Providing and fixing teak wood open shelving as per DRAWINGS 1.6.3, 1.6.4, 1.6.6, 1.6.7. Complete with fittings to mount on floor and ceiling, finished with clear/stained polyurethane coating of MRF Woodcoat Ultra or equivalent make.		lumps um		
	DISPLAY TABLES: Providing and fixing teak wood display tables as per DRAWING 1.6.10. Complete with fittings of Hafele/Hettich or equivalent make finished with paint as approved by designer	6	nos		
	TEA CART: Providing and modifying tea cart as per drawing 1.6.1, finished with rustic paint in colours to be approved by designer	1	nos		
	BENCHES: Providing rustic bench of dimensions 1500mm X 600mm, to be approved by designer	2	nos		
	CRATE SHELF: Providing and fixing good quality pine crates as per drawing 1.6.2, finished with rustic paint finish mounted on wall	5	nos		
	FREE STANDING SHELF UNIT: Teak wood unit as per drawing 1.6.5 complete with Dorma/Hafele or equivalent make fittings and finished with clear/stained polyurethane coating of MRF Woodcoat Ultra or equivalent make.	1	nos		
	CABINET: Teak wood units as per DRAWING 1.6.8 complete with Dorma/Hafele or equivalent make fittings and finished with clear/stained polyurethane coating of MRF Woodcoat Ultra or equivalent make	2	nos		
	Total c/o to summary (Rs.)				
G	Partitions & Structural works				

	FRAMELESS TOUGHENED GLASS PARTITION - 12mm TG 3600mm height: Toughened glass partitions till 3600mm ht. - Providing and fixing of 10mm thick toughened glass full height glazed partitions fixed on top and bottom with SS patches (Hafele., Hettich or equivalent) fixed flush to the floor level. Rate to include providing sealant in the joints, levelling and maintaining uniform grooves and levels.Note: The partition above the glass level would be measured and paid as per the finish in the respective items.	qro	sqm		
	FRAMELESS TOUGHENED GLASS PARTITION - 12mm TG 2400mm height: Same as item 1 but for 2400mm height	qro	sqm		
	FRAMELESS TOUGHENED GLASS PARTITION - 10mm TG: Same as item 1 but for 10mm TG in lieu of 12mm	qro	sqm		
	MS INSERTS, ANGLES AND MISC STRUCTURAL STEEL WORKS: Embedding and placing in position before casting of structural elements, inserts, embedment, edge protection angles, bars, channels, plates incl. Holdfasts, tying up with reinforcement, tack welding where necessary, cut-outs, holes, provisions in shuttering form etc. all complete.	qro	MT		
	Total c/o to summary (Rs.)				

Client:



स्पाइसेस बोर्ड भारत
वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार
SPICES BOARD INDIA
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Architects/Interior Design

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The art of home making

MEP Consultant's



SPICES INDIA
IIPM, Bangalore

TENDER SCHEDULE –AC System
Nov 2017



NO	ITEM DESCRIPTION	UNIT.	QTY	UNIT RATE.	AMOUNT
				Rs.	Rs.
1	SPLIT / PACKAGE UNIT				
	Supply, Installation testing and commissioning of split/ Package air cooled Air-conditioners each complete with scroll compressor, air cooled condensor, GSS casing, filters, cooling coils, fan motors, copper refrigerant piping (insulated) length as per drawing maximum upto 10 mts , control wiring, refrigerant controls and accessories, including MICRO-PROCESSOR CONTROL with indication lamps for the operation of the system with thermostat fixed in the respective rooms to adjust the temperature according to the equipments requirements with Micro- processor control panel for each machine. Tenderes to elaborate the features of Micro- processor panel. GI painted frame works for outdoor units & making good of civil work's				
1.1	2 TR Hi-wall Split	No.	2		
1.2	1.5TR Hi-wall Split	No.	1		
2	Condensate Drain Piping				
	Drain pipe for condensate drain to the nearest drain point with 1" PVC pipe with vidoflex/equivalent insulation to the nearest drain as per consultants instruction.				
2.1	25 mm	Rm	30		
				Grand Total	

BASIS OF DESIGN

The complete air conditioning system shall be designed taking into account the following parameters.

PROJECT		SPICES INDIA, IIPM, BANGALORE						
Outside design condition		Summer: 35.6 ° C. DB, 25.6 ° C WB						
Inside design condition		22 ° C +/- 1.1 °. C, RH 55+/- 5%						
No	AREA DESCRIPTION	AREA SQ.FT	OCCUPAN CY	NO. OF AIR CH.	TR	AIR QTY	fresh air CFM	Indoor Unit proposed
a	Central Hall, Spices Section, Tea Garden	900	15	7.5 cfm/person+ 0.12 cfm/sq.ft	5.5 TR	2200	220	2x2TR+1.5TR Hi wall split

Client:



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SPICES INDIA

IIPM, Bangalore

TENDER SCHEDULE –Electrical Works

Nov 2017



<u>BOQ FOR ELECTRIFICATION OF SPICES BOARD,IIPM,BANGALORE</u>					
Sl.No	Specification	Qty	Unit	Rate	Amount
	Note:				
1	The work & materials shall be carried out strictly as per Electrical Inspectorate standards				
2	All materials used shall be of IS approved and ISI marked.				
3	Contractor shall get approval from the Owner/Consultants for all makes of itmes & its specifications before supply the same at site.				
4	Contractor shall prepare all SHOP FABRICATION drawings & other design documents for execution purpose as per Statutory requirements & Space available in site, and get it approved by the Owner/Client before ommencement of execution/ fabrication.				
5	No claim for escalation of rates due to increase or decrease in quantities will be considered.				
6	Bidder should inspect the site and examine site conditions and its surroundings and satisfy himself before submitting his tender.				
7	The Bidder should study the drawings carefully for assessing the length of circuits from DB to Switch Boards, and from Switch Boards to Points for Point and Circuit Wiring. This will help bidders to quote for competitive rates.				
8	The Earth strip/cable from Earth pit location to Main Ups / Electrical RM is assumed Actual shall be as per site condition				
9	Cables will not be procured based on BOQ only. Actual measurements will be taken by Contractor before ordering, based on Drawings & Site condition.				
10	Item wise tentative quantities are given in this BOQ.Quantities are subject to change as per site conditionsand requirements. Payment will be made for actually executed and measured quantities at site at agreed rates. Balance materials after final measurement, if any, supplied by the Contractor, shall be taken back by him, and will not be considered for payment.				



Sl.No	Specification	Qty	Unit	Rate	Amount
1	LT Panels				
1.1	Main Panel				
	Design, Manufacture, Assemble, Supply, Installation Testing & Commissioning of Sheet steel fabricated panel,made out of 2.5 mm folder sheet / angle iron frame, doors and body of 14 / 16G MS sheet ,Powder coated and wired, completed. All the MCCB's shall have adjustable over current setting, ront door kit and pad locking arrangement , sheet steel, duly treated by 7 tank process,and powder coated,using only approved components , Copper / Aluminium continues Busbars with 2nos.earth terminals, necessary lifting hooks, all necessary gland plates & glands complete as per specifications & single line diagram. Shouding of live parts shall be with 3 mm FRP and two fastner screws and chamber partition at dropper connection with 6 mm FRP Control wiring shall be with 2.5 sq.mm copper cable of 1100 volts grade. Doors shall be provided with 4 sq.mm flexible copper earth leads. All panels with top entry provision. Wherever the multidata meters are shall be with RS 485 ports such ports shall be hard wired and brought to a suitable terminal block in the panel in a selected location in the panel. Only galvanised, Zinc passivated hardware shall be used for assembling..	1	Set		
	Incoming				
	1 nos. 63A TP Isolator				
	Outgoings				
	2 nos. 40A TP Isolator				
	2 nos. 40A TPN MCB,10kA				
	1 no. 32A DP MCB,10kA				
1.2	Panel-1				
	Supply, Conveyance, Installation, Testing and Commissioning of self supported, free standing powder coated cubicle type of CRCA No. 14/16 gauge sheet construction with cable entry facility at top and bottom, cable alley, switchgear compartment, busbar chamber etc. shall be fully segregated and compartmentalized. Shouding of live parts shall be with 3 mm FRP and two fastner screws and chamber partition at dropper connection with 6 mm FRP Control wiring shall be with 2.5 sq.mm copper cable of 1100 volts grad for C.T leads and 1.5 sq.mm for voltage leads .Doors shall be provided with 4 sq.mm flexible copper earth leads . The main earth bus shall be of size 25x3 mm copper and run through the switch board for earthing metallic parts of switch gears. All copper joints shall be tinned. Knock - outs of proper diameter shall be provided on glanding plates. The height of the opertating handle of any switch gear shall not be more than 1.8 meters or less than 0.6 mtrs from bottom level of the switch board.	1	Set		



Sl.No	Specification	Qty	Unit	Rate	Amount
	<u>Incomer</u>				
	1 No. 40A,25kA,4P MCCB with Motor Backup Protection				
	<u>Outgoings</u>				
	5 nos. 32A TP MCB, 10KA- D Curve				
	2 nos. 32A DP MCB, 10KA- D Curve				
1.3	Panel-2				
	Supply, Conveyance, Installation, Testing and Commissioning of self supported, free standing powder coated cubicle type of CRCA No. 14/16 gauge sheet construction with cable entry facility at top and bottom, cable alley, switchgear compartment ,busbar chamber etc. shall be fully segregated and compartmentalized. Shouding of live parts shall be with 3 mm FRP and two fastner screws and chamber partition at dropper connection with 6 mm FRP Control wiring shall be with 2.5 sq.mm copper cable of 1100 volts grad for C.T leads and 1.5 sq.mm for voltage leads .Doors shall be provided with 4 sq.mm flexible copper earth leads . The main earth bus shall be of size 25x3 mm copper and run through the switch board for earthing metallic parts of switch gears. All copper joints shall be tinned. Knock - outs of proper diameter shall be provided on glanding plates. The height of the opertating handle of any switch gear shall not be more than 1.8 meters or less than 0.6 mtrs from bottom level of the switch board.	1	Set		
	<u>Incomer</u>				
	1 No. 40A,25kA,4P MCCB with Motor Backup Protection				
	<u>Outgoings</u>				
	7 nos. 32A TP MCB, 10KA- D Curve				
2	Distribution Boards				
	Supply ,installation, testing & commissioning of sheet steel, phosphatised and painted, dust and vermin proof enclosure of TPN/SPN MCB Distribution Boards complete with comb bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts including accessories suitable for 50 Hz , AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required making good the damages, colour washing etc. as required				
2.1	LDB	1	Set		
	<u>12way - Single phase DB (IP 42/43)</u>				
	<u>Incomer</u>				
	1 No. 32A,DP,30mA RCBO				
	<u>Outgoing</u>				
	10nos. 6/10/16/20A SP MCBs , 10KA				



Sl.No	Specification	Qty	Unit	Rate	Amount
2.2	TPN DB	1	Set		
	6way-Three phase DB(IP 42/43)				
	Incomer				
	1 No. 32A,4P,30mA RCBO				
	Outgoing				
	18nos. 6/10/16/20A SP MCBs , 10KA				
2.3	Isolator				
2.3-a	32A DP Isolator	2	Nos		
2.3-b	32A TP Isolator	11	Nos		
3	LT Cables				
	Supply and laying of 1.1 kV grade armoured XLPE sheathed, steel armoured, aluminium conductor, power cables of only approved make: Laying rates to include for all required Cable Clamps, Cable Identification Tags at required intervals,& other items like cable ferrules / cable-tags at each end of the cables laid. For the same Cross Sectional area of Cables, The cables shall be laid in tray, as required. Cables will not be procured based on BOQ only. Actual measurements will be taken by Contractor before ordering, based on Drawings & Site condition. Cables should be as per IS 7098, Part 1.				
3-a	2 core 4 sq mm	42	Mts		
3-b	2 core 10 sq mm	10	Mts		
3-c	3 core 4 sq mm	156	Mts		
3-d	4 core 16 sq mm	20	Mts		
4	Cable Termination				
	Supply and Providing end termination for the above mentioned cables including supply of brass glands, solder less crimping type copper sockets,earth clamps etc., complete. These gland earthing must be connected to the nearby earthing bus/grid using suitable copper wire.				
4-a	2 core 4 sq mm	4	Nos		
4-b	2 core 10 sq mm	2	Nos		
4-c	3 core 4 sq mm	22	Nos		
4-d	4 core 16 sq mm	4	Nos		
5	Supply & drawing copper wires				
	Supply and drawing 650/1100 V grade PVC insulated stranded single core copper conductor cables conforming to IS 694 part I 1990 in the existing surface conduit as required including giving necessary connections of the following sizes. The scope of wiring will commence from respective DBs to switch boxes and from one switch boxes to another switch boxes, if looping is adopted.				
5-a	1.50 sq mm 2 run + 1 sq.mm 1 run	290	Mts		



Sl.No	Specification	Qty	Unit	Rate	Amount
5-b	2.50 sq mm 2 run + 1.5 sq.mm 1 run	85	Mts		
5-c	4.00 sq mm 2 run + 2.5 sq.mm 1 run	45	Mts		
6	Cable Tray & Accessories				
	Supplying, laying and jointing of perforated cable tray shall be designed and tested as per IEC 61537. The perforated cable tray shall be of strip galvanised conforming to DIN E 12329 for indoor closed and dry atmospheric application. Perforated cable tray should be interlocked for connecting the consecutive length of 3 mtr tray with or without additional connectors. the thickness of the perforated tray for 60 mm side height for 100mm is 0.6mm, 150 to 200 is 0.7mm, for 300 mm is 0.9mm, and thickness of the 400mm to 500mm is 1.2 mm thickness. The perforated cable tray shall be supplied with the standard length of 3 mtr. The weight bearing capacity at 1.5 meter span distance is 150Kg/meter for 60mm side height, 185Kg/meter for 100mm side height. Including adequate size MS support.				
6-a	600mm width x 60mm height	Mts	2.5		
6-b	300mm width x 60mm height	Mts	35		
7	Point Wiring				
	Point Wiring of light points complete with all wiring materials such as 1100V grade multi strand flexible FRLS copper wire of minimum size of 3R x 1.5Sq.mm, suitable size 2mm thick FRLS PVC conduits with couplers and accessories like bends, junction box etc. and including providing and fixing of 6 Amp single pole switch of approved make & shade with silver tipped contact inside, suitable base plate, cover plate, back boxes of adequate module size and ceiling rose/brackets etc complete in all respect. Points shall be terminated at light fixtures with ferrules, wire ends shall not be loose / bare.				
7-a	1 light point controlled by one switch	1	Each		
7-b	3 light point controlled by one switch	4	Each		
7-c	4 light point controlled by one switch	1	Each		
7-d	9 light point controlled by one switch	12	Each		
7-e	10 light point controlled by one switch	4	Each		
8	Supply & wiring of Exhaust fan point with all wiring materials such as 1100V grade multi strand flexible FRLS copper wire of minimum size of 3R x 2.5Sq.mm, suitable size 2mm thick FRLS PVC conduits with couplers and accessories like bends, junction box etc. and including providing and fixing of 6 Amp single pole switch of approved make & shade with silver tipped contact inside, suitable base plate, cover plate, back boxes of adequate module size and ceiling rose/brackets etc complete in all respect. Points shall be terminated at light fixtures with ferrules, wire ends shall not be loose / bare.	2	Each		



Sl.No	Specification	Qty	Unit	Rate	Amount
9	Supplying & fixing of 6Amps Power outlet point with 2x1.5 Sq.mm for Phase & neutral and 1x1 sq.mm for earthing, ISI marked FRLS PVC insulated copper conductor wires of approved make in 20mm dia heavy duty PVC conduit including providing and fixing one no. 6Amps, 5pin, 250V socket outlet with shutters along with 6Amps single pole switch with built in indication lamp of approved make & shade with silver tipped contact inside, suitable base plate, cover plate and back boxes of adequate module size, etc complete in all respect. The scope of wiring will commence from the respective DB up to outlet box as per drawing and as directed.	2	Nos		
10	Supplying & fixing of Twin 6Amps Power outlet point with 2x2.5 Sq.mm for Phase & neutral and 1x1.5 sq.mm for earthing, ISI marked FRLS PVC insulated copper conductor wires of approved make in 20mm dia heavy duty PVC conduit including providing and fixing one no. 6Amps, 5pin, 250V socket outlet with shutters along with 6Amps single pole switch with built in indication lamp of approved make & shade with silver tipped contact inside, suitable base plate, cover plate and back boxes of adequate module size, etc complete in all respect. The scope of wiring will commence from the respective DB up to outlet box as per drawing and as directed.	1	Nos		
11	Supplying & fixing of 6/16Amps Power outlet point with 2x2.5 Sq.mm for Phase & neutral and 1x1.5 sq.mm for earthing, ISI marked FRLS PVC insulated copper conductor wires of approved make in 20mm dia heavy duty PVC conduit including providing and fixing one no. 6/16Amps, 5pin, 250V socket outlet with shutters along with 16Amps single pole switch with built in indication lamp of approved make & shade with silver tipped contact inside, suitable base plate, cover plate and back boxes of adequate module size, etc complete in all respect. The scope of wiring will commence from the respective DB up to outlet box as per drawing and as directed.	5	Nos		
12	Supplying & fixing of 16Amps Power outlet point for AC with 2x4 Sq.mm for Phase & neutral and 1x2 sq.mm for earthing, ISI marked FRLS PVC insulated copper conductor wires of approved make in 20mm dia heavy duty PVC conduit including providing and fixing one no. 6/16Amps, 5pin, 250V socket outlet with shutters along with 16Amps single pole switch with built in indication lamp of approved make & shade with silver tipped contact inside, suitable base plate, cover plate and back boxes of adequate module size, etc complete in all respect. The scope of wiring will commence from the respective DB up to outlet box as per drawing and as directed.	3	Nos		



Sl.No	Specification	Qty	Unit	Rate	Amount
13	Supply and fixing the following sizes of PVC Conduit conforming to IS 9537 / 1983 part III along with all required accessories on surface/recess including making good the damages etc as required.	3	Nos		
13-a	20 mm dia medium gauge	445	Mtrs		
13-b	25 mm dia medium gauge	45	Mtrs		
14	Supply and Fixing 2 compartment Floor service outlet box for accommodating data socket, RJ11 and power socket with all connected accessories in floor and giving inter connection(265mmx 265mm)	1	No		
15	Installation and Fixing of Light Fixtures				
15-a	Conveyance, installation, testing and commissioning of 10W LED Decorative hanging light fittings (DL1) of all types on ceiling including giving connections with required length of 16/0.20 mm 3 core round copper conductor flex wire conforming to relevant ISS or with the extended original wiring etc as required.	6	Nos		
15-b	Conveyance, installation, testing and commissioning of 15W LED Decorative hanging light fittings (PL2) of all types on ceiling including giving connections with required length of 16/0.20 mm 3 core round copper conductor flex wire conforming to relevant ISS or with the extended original wiring etc as required.	50	Nos		
15-c	Conveyance, installation, testing and commissioning of 15W Decorative LED filament hanging light fittings (PL1) of all types on ceiling including giving connections with required length of 16/0.20 mm 3 core round copper conductor flex wire conforming to relevant ISS or with the extended original wiring etc as required.	5	Nos		
15-d	Supply, installation, testing and commissioning of 12W, 4000K LED track light fittings with a 24° beam angle , surface mounted fixtures, with adjustability, including hanging track complete with all hanging & connecting accessories complete. Hanging track length - 1meter No.of light fittings in one track - 3Nos. Make: K-Lite -ID 7693	36	Set		
15-e	Supply and fixing single phase, heavy duty exhaust fan in plastic body with self opening louvers	2	Nos		
16	Earthing				
	Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.				
16-a	3.251 mm copper conductor (10 SWG)	10	Mtrs		
16-b	4.064 mm copper conductor (8 SWG)	8	Mtrs		
16-c	25x3mm strip	70	Mtrs		
17	Supply of superior quality copper earth socket for the following sizes of earth conductor including crimping etc. as required.				



Sl.No	Specification	Qty	Unit	Rate	Amount
17-a	3.251 mm copper conductor (10 SWG)	2	Nos		
17-b	4.064 mm copper conductor (8 SWG)	28	Nos		
	Miscellaneous Items				
18	Supply and providing First Aid Chart duly framed and placed in a conspicuous location for clear vision.	1	No		
19	Obtain test certificates for all protective devices, preparation of schematic drawings and obtain approval from respective statutory authorities and obtain energisation certificate excluding statutory fee remitted to different statutory authorities.	1	Job		

Client:



स्पाइसेस बोर्ड भारत
वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार
SPICES BOARD INDIA
Ministry of Commerce & Industry, Govt. of India

Architects/Interior Design

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TENDER SCHEDULE –PLUMBING WORKS

Nov 2017



Item no.	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
I	Sanitarywares				
1.1	Supplying and fitting 15mm long body CP Hose tap with CP flanges including necessary Fixing materials etc., complete	No	4		
	Water Supply System				
2.1	Supplying, conveying, Installation, testing and commissioning of water supply system pipe work for lines for water supply in all areas including solvent welded suitable fittings Hi tech GI hangers, supports brackets, bolts accessories etc suitable for working pressure of 10 bars and including chasing the wall where ever necessary and making good the wall after installation all in accordance with drawings and specifications and relevant standards.				
II	COLD WATER SUPPLY – ASTM pipe Sch.40 with Sch.80 fittings as per IS- 1785				
2.1.1	20 mm ID	Rmt.	25		
2.1.2	25 mm ID	Rmt.	10		
2.1.3	32 mm ID	Rmt.	3		
2.1.4	40 mm ID	Rmt.	RO		
3	Supplying, cleaning and fixing in position DRIP irrigation system for the vertical garden with piping as required at site	Lot	2		
4	Supplying, Conveying, Installing and testing and commissioning of approved make GM ball valves conforming to IS 1703 with unions etc., complete.				
4.1	20 mm dia (Screwed ends)	No.	4		
4.2.	25 mm dia (Screwed ends)	No.	2		
4.3	32 mm dia (Screwed ends)	No.	RO		
III	Drainage System				
5	Supplying, conveying, Fixing, testing and commissioning of UPVC soil and waste (SWR) pipes, Supreme / Finolex or equivalent make conforming to IS13592: 1992, class B with fittings solvent cement (conforming to IS14735:99) joint inclusive of all necessary specials like bends, tees, offsets, door bends, junctions, cowls etc, below grade and above grade on suitable supports etc, complete as required and directed. (within the building and ducts)				
5.1	75 mm dia	Rmt.	30		
5.2	110 mm dia	Rmt.	12		
6	Supplying, cleaning, Fixing, testing and commissioning of PVC floor trap/ Floor sump with heavy duty hinged type stainless steel frame and cover (150mm x 150mm). Trap of 100mm dia.at top and 75/ 50 mm dia. out let fixed on a bed of cement concrete complete as required and directed.	No.	4		



Item no.	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
7	Supplying and placing in position stainless steel floor drains upto 3.00M long well placed at specified slope and connecting to the drainage line	Set	3		
8	Construction, Installation, erection, testing , and commissioning of gully traps chamber 300x300mm including excavation, back filling , disposal, concrete, water proofing all in accordance with the drawings, specification and relevant standards excluding cost of Gully Traps	No.	2		
9	Supplying, Conveying, cleaning and laying PVC pipes and specials for Soil/Sullage/Rain water drainage as directed - Supreme/ Finolex or equilant make				
9.1	110 mm dia. 6 kg/cm2	Rmt.	12		
				TOTAL	