Validate Print Help

Tender Inviting Authority: Indian Institute of Packaging. Mumbai

Item Rate BoQ

Name of Work: HT INSTALLATION WORK FOR M/S. INDIAN INSTITUTE OF PACKAGING AT ANDHERI, MUMBAL(SUBSTATION EQUIPMENT & HT PANELS)

Imp Note :- 1. For laying down of any kind of cables all the necessary work such as excavation in all type of soils, compaction, soling, PCC, protection for cables and finally finishing the earth surfaces properly, etc will be under contractor scope of respective items only. No additional or extra payment will be given for the same by client.

2. All the surplus excavated material shall be taken out from the site/ IIP campus by contractor. No additional payment will be given for the same by client.

Contract No:

Name of the	INDIAN INSTITUTE OF PACKAGING
Bidder/ Bidding	
Firm /	
Company :	

PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only) Also enter the GST rate without percent (%) sign for all the items

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NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
SI. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST % (CGST+SGST) Only put number without percent (%) sign	GST Amount (CGST+SGST) in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	3	4	5	13	14	16	53	54	55
1.01	Substation: Supply, Installation, testing and commissioning of 800 kVA, 11KV/433V, copper wound, oil cooled transformer Off Circuit Tap Changer as per IS 1180: Energy Level 2 (BIS Standard)Transformer to be tested as per standard norms. The transformer to be of	ltem1	2.000	Nos			0.00	0.00	0.00	INR Zero Only
1.02	outdoor mounted type(IP 65). Supply, installations, testing & commissioning of incoming 11KV HT RMU with Vaccuum Circuit breaker of 630A. Capacity with 1 no. incomer & 2 nos. outqoing in IP 65 enclosure outdoor type(floor mounted type).	ltem2	1.000	Nos			0.00	0.00	0.00	INR Zero Only
1.03	Supplying and erecting approved make thyrite type lightening arrester suitable for 11 KV supply with necessary ancilliary materials complete erected on provided cross arm and connected to the underground line (similar to Cat.No.22A-18 of IGE/equivalent make) distribution class.	Item3	2.000	Nos			0.00	0.00		INR Zero Only
1.04	Supply, installation, testing & commissioning of UL certified/CPRI tested maintenance free earthing comprising of electrode of 17.2mm diameter low carbon steel with 250 micron molecular copper bonded earthing rod of length 3m. along with 25kg carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity as per specification no. EA-MOBI.	ltem4	20.000	Nos			0.00	0.00	0.00	INR Zero Only
1.05	Supplying, erecting & terminating 3C 300 sq.mm. 11kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench/pipe in an approved manner as per specification No. CB-HT.(Aluminium cable)	ltem5	200.000				0.00			INR Zero Only
1.06	Providing & erecting heat shrinkable outdoor termination kit for 11KV(E) XLPE HT cable 3x240 to 400 sq.mm. With necessary material as per specification No. CB-JT/HT.	ltem6	6.000				0.00			INR Zero Only
1.07	Supplying & erecting GI strip of required size used for earthing on wall &/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joints required as per specification No. EA-EP.	ltem7	2500.000	-			0.00			INR Zero Only
1.08	Supplying & erecting copper strip of required size used for earthing on wall &/or any other purpose with necessary copper clamps fixed on wall painted with bituminous paint in an approved manner with joints required as per specification No. EA-EP.	ltem8	500.000	Kg			0.00	0.00	0.00	INR Zero Only
1.09	Supplying & erecting intelligent flush mounted panel meter three phase four wire(IPM) 240V(L - N) SA class 1 flush mounted meter with voltage, current, frequency, power, energy & THD metering with LCD display(excluding CTs)complete with wiring connections & mounting hardware on provided panels complete with calibration certificate from manufacturer.	ltem9	1.000	Nos			0.00	0.00		INR Zero Only
1.1	Supply, installation, testing & commissioning of 11 KV 25KA for 1 sec floor mounting type, front access Metering Kiosk equipped with all accessories, CTs, PTs, Meters, relays etc. as required. Rate shall be for the complete board including foundation bolts connected civil works etc. as follows & including: 11 KV Metering Kiosk (Outdoor type in IP65 enclosure) 3 Nos. 11 KV /RT3 110 /RT3 V, 50 VA air insulated draw out type cast resin transformer with primary and secondary protection fuses. 3 Nos. of 40/5A rating , CL-0.2S, epoxy resin cast 15VA CT for Metering. 1 Nos. of voltmeter range from 0 - 15KV, with selector switch. 1 Nos. of voltmeter range from 0 - 40A, with selector switch. 1 No. Indicating lamps with series resistor (red, green suitable for 110V A.C.). 11KV Load break switch with HT isolators. 2 Nos. Bottom entry and Exit cable box suitable to receive 11KV 3c x 300 sqmm (E) cable (XLPE) AI. Armoured with shrink type cable termination kit and straight through join kit. 2 Nos. Ighning Arrester with Class B type.	ltem10	1.000				0.00			INR Zero Only
1.11	Supplying & laying(including excavation) 25cm. Dia. RCC hume pipe of standard thickness at required depth up to 90cms. Below road/ground surface, for covering provided cable & necessary back filling with light ramming to make the road/ground surface as it was(except bitumen carpet).	ltem11	100.000				0.00			INR Zero Only
1.12	Providing & fixing of 0.9mtr. Long x 1.2mtr. Deep manholes(openable chamber) constructed with 3" thick brick wall plastered on both the sides with angle iron frame & cast iron cover having 3 holes of 250mm dia at 1.25mtr below the ground level, complete with excavation in soil.	ltem12	6.000	Nos			0.00	0.00	0.00	INR Zero Only
1.13	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.	Item13	1300.000	Kg			0.00	0.00	0.00	INR Zero Only
1.14	Providing and fixing G.I. Pre coated trapezoidal 0.8 mm (22 B.W.G.) thick roof (of approved colour shade) for roofing without wind tiles including fastening with galvanised iron screws & bolts, lead & bitumen washers as per drawing etc. complete.	Item14	160.000	Smt			0.00	0.00	0.00	INR Zero Only
1.15	Providing and fixing plain coated sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanized iron sheet roofing including all fastening and bolt galvanised iron screws and bolts, lead and bitumen washers etc. complete.	Item15	18.000	Smt			0.00	0.00	0.00	INR Zero Only
1.16	Providing , laying & fixing ,jointing Supreme Ecodrain 160 mm SN 4 NuDrain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per LS.15328 with fittings such a bends, tees , coupler, etc, jointing with rubber lubricant including necessary exavation, trench refilling with selective exavated materialect. complete.	Item16	30.000	Rmt			0.00	0.00	0.00	INR Zero Only

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1	2	3	4 5	13	14	16	53	54	55
1.17	Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 rm B guage thick and fixed 75 mm above Ground level on vertical M.S. Angle of 40 x 40 x 6 mm size including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M.c/c with inon bar 16 mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal Including cross support 0 40 x 40 x 6 mm Angles both sides at every corner or bends embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete.		104.000 Rmt			0.00			ly
		Item17							
1.18	Providing and fixing mild steel grill gate with angle iron frame 65 mm x 65 mm x 10 mm with iron bars at 150 mm C/C and diagonal flats as per the detailed drawing including hinges, pivot blocks locking arrangement welding, revetting with oil painting in three coats of approved colour shade. (Weight of gate 35 kg/Sq.m.)	Item18	4.000 Smt			0.00	0.00	0.00 INR Zero On	ly
1.19	Providing & spreading stone metal 25mm size for 100mm depth above the ground level.	Item19	36.000 Cubic mtr.			0.00	0.00	0.00 INR Zero On	ly
1.2	Testing & commissioning of existing earthing pits for the transformer including the earthing strips.	Item20	10.000 Nos			0.00	0.00	0.00 INR Zero On	ly
2	Miscllaneous Works:								
2.01	Providing printed instruction chart for treating persons suffering from electric shock, printed in English & Marathi & duly laminated.	ltem21	2.000 Nos			0.00	0.00	0.00 INR Zero On	ly
2.02	Providing and Fixing in Position the best quality danger boards of approved quality and size as specified by local Electrical		2.000 Nos			0.00	0.00	0.00 INR Zero On	ly
2.03	Authorities written in English, Marathi and Hindi. Supplying & erecting DCP TYPE FIRE EXTINGUISHER 10KG capacity cartridge type with Gun Metal cap 150 gram CO2 gas	Item22	4.000 Nos			0.00	0.00	0.00 INR Zero On	ly
	cartridge, powder and brackets confirming to IS 2171 - 1985 and complete erected with necessary clamps made from 50x6mm MS flat with nuts & bolts grouted in wall complete.	Item23							
2.04	Providing round bottom FIRE Bucket of 9 litres capacity as per IS:2546 made out of 24 Gauge GI sheet with extra handle at bottom		4.000 Nos			0.00	0.00	0.00 INR Zero On	ly
2.05	duly painted white inside & red outside with FIRE mark on provided stand/wall hook. Providing floor mounting stand for keeping 4 nos. of FIRE buckets 1500mm in length, 900mm in height frame made out of 30x30x4	Item24	1.000 Nos			0.00	0.00	0.00 INR Zero On	lv
	mm. angle iron with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of silver paint.	ltem25							,
2.06	Supplying & fixing PVC synthetic elastomer electrically insulating mat with Class B insulation confirming to IS:15652 - 2006 & CPRI tested having 2.5mm. thickness upto 11KV.	Item26	5.000 sq.mtr.			0.00	0.00	0.00 INR Zero On	ly
2.07	Supplying Standard first aid box with necessary antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage(Band - Aid) adhesive tape for medicinal use, scissors, anti-septic solution(Savion or similar) etc.	Item27	2.000 Nos			0.00	0.00	0.00 INR Zero On	ly
2.08	Provided pair of duly tested rubber hand gloves as per IS:340715 suitable for working on 22kV supply.	Item28	2.000 Nos			0.00	0.00	0.00 INR Zero On	ly
2.09	Earth work in excavation for foundation of footings,walls, ms stanchions, platforms, etc in all soils, sand,gravel, clay, murum, etc. to depth upto 3Meter, including clear of site,removing shrubs,trees roots, rank vegetation etc. and including shoring,struting dewatering if required, as per site conditions, refilling in plinith and around foundations with approved excavated materials in layers not exceeding 200mm, well consolidated and disposing/ carting away surplus excavaterd materials as directed, complete as per direction of Architect / engineer in-charge. Note : No extra charges will be paid for removing of extra surplus excavated material from site.	ltem29	40.000 Cu.Mt.			0.00	0.00	0.00 INR Zero On	ly
2.1	Providing lst class brick masonry work in 1:3 in sub / super structure complete with watering as per drawings and technical specifications etc. complete. (excluding pointing and plastering)	Item30	17.000 Cu.Mt.			0.00	0.00	0.00 INR Zero On	ly
2.11	Providing sand faced plaster externally in coment mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	licinou	60.000 Smt			0.00	0.00	0.00 INR Zero On	ly
2.12	Description doutrop/ whole stope equiling 15 pm to 22 pm thick inclusion band and the stope of a superstation of a superstation of	Item31	26.000 0		-	0.00	0.00	0.00 ND 7- 0	h.
2.12	Providing dry trap/ rubble stone soiling 15 cm to 23 cm thick including hand packing and compacting etc. complete. Filling in plinth in 15cm to 20cm layers including watering and compaction complete with existing murum brought from within site	Item32	26.000 Cu.Mt. 18.000 Cu.Mt.			0.00	0.00	0.00 INR Zero On 0.00 INR Zero On	iy Iy
2.14	campus (upto 1000m transportation) Providing and laying in situ plain cement concrete 1:2:4 using graded stone aggregate of 30mm and down grade, including	Item33	5.000 Cu.Mt.			0.00		0.00 INR Zero On	
2.15	necessary formwork, consolidation, finishing, curing and dewatering if required etc. complete. A) In mud mat foundations of columns , walls, raft, any type of Platform, etc. Providing ist class half brick masonry work in 1:3 in super structure complete with watering as per drawings and technical	ltem34	14.000 Smt			0.00	0.00	0.00 INR Zero On	lv
2.16	specifications etc. complete. including pointing and plastering Removal of existing transformer & existing HT breaker and HT metering panel, Shade and shade structure & handing over the	Item35	1.000 Job			0.00		0.00 INR Zero On	
	same to the client.	ltem36							-
2.17	Preparing LT control panel plinth 1.5mtr. X 5mtr. X 1.0mtr. In size with necessary excavation in the ground at the bottom with 150mm. Thick M 10 PCC at the bottom & top & 250mm thick burnt brick wall construction at periphery & remaining hollow portion shall be filled with 60mm. hard broken aggregate, external surface duly plastered 15mm. thick including watering etc. complete.(1.0mtr. height)	ltem37	1.000 Nos			0.00	0.00	0.00 INR Zero On	ly
2.18	Supplying shock proof leather Safety Shoes of Electrical Grade of standard size as IS:11226, 14544 duly tested, with necessary		1.000 pair			0.00	0.00	0.00 INR Zero On	ly
3	test certificate from manufacturer. MAIN LT CONTROL PANELS:	Item38							

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1	2	3	4	5	13	14	16	53	54		55
3.01	Providing, fixing, testing & commissioning of the indoor type L.T. control panel(cubical) in IP 65 enclosure suitable for outdoor mounting of the panel. The main panel is for the electrical power distribution of the entire premises. a) 4 nos of 250 Amps. Aluminium busbar b) 3 Nos. of Neon indicating bulbs to indicate three different phases with potential fuses. Digital voltmeter & ammeter to be installed with CTs & PTs of equivalent size & rating. Panel to be mounted with 3''33'' 112'' NS 'C' channel with hold fastner etc. c) Load Manager with CTs & PTs of equivalent size & rating. Panel to be mounted with 3''33'' 112'' NS 'C' channel with hold fastner etc. c) Load Manager, with CTs & PTs of equivalent size & rating with RS 485 port equivalent to Conzerve make	Item39	1.000	Nos			0.00			INR Zero Only	
3.02	Supply, installation, testing & commissioning of fixed type capacitor double dielectric type of 75KVAR rating with incomer MCCB of 160A. 36kA. TP MCCB in MS enclosure(for no load losses of transformer).	ltem40	3.000	Nos			0.00	0.0	0 0.0	INR Zero Only	
4	BUS BAR TRUNKING SYSTEM, LT CABLES & CABLE TERMINATION:										
4.011	Supplying & erecting Siemens type brass cable glands for 3.5 core 240 sq.mm. for PVC armoured cable as per specifications no. CB - GL.	ltem41	6.000	Nos			0.00	0.0	0 0.0	INR Zero Only	
4.012	Supplying & erecting Siemens type brass cable glands for 3.5 core 300 sq.mm. for PVC armoured cable as per specifications no. CB - GL.	ltem42	28.000	Nos			0.00	0.0	0 0.0	INR Zero Only	
4.013	Supplying & erecting Siemens type brass cable glands for 3 to 4 core 16 sq.mm./3 to 4 core 25 sq.mm./3 core 35 sq.mm. for PVC armoured cable as per specifications no. CB - GL.	Item43	4.000	Nos			0.00	0.0		INR Zero Only	
4.021	Supplying & erecting crimping type aluminium lugs for cable 300sq.mm. complete as per specification no. CB-CL/AL.	ltem44	90.000				0.00			INR Zero Only	
4.022	Supplying & erecting crimping type aluminium lugs for cable 240sq.mm. complete as per specification no. CB-CL/AL.	Item45	18.000				0.00			INR Zero Only	
4.023	Supplying & erecting crimping type aluminium lugs for cable 25sq.mm. complete as per specification no. CB-CL/AL.	Item46	6.000				0.00			INR Zero Only	
4.024	Brick work in C.M 1:5 mix using 2nd class ground moulded chamber burnt bricks with including cost	Item47	3.000				0.00			INR Zero Only	
4.025	Supplying & erecting crimping type aluminium lugs for cable 150sq.mm. complete as per specification no. CB-CL/AL.	Item48	30.000				0.00			INR Zero Only	
4.026	Supplying & erecting crimping type aluminium lugs for cable 120sq.mm. complete as per specification no. CB-CL/AL.	Item49	18.000				0.00			INR Zero Only	
4.03	Supplying & erecting PVC armoured cable 3.5 core 300 sq.mm. aluminium conductor continuous 12.97sq.mm. (8SWG) GI earth wire complete erected with glands & lugs, on walls/trusses/pole or laid in provided trench/pipe as per specification no. CB-LT/AL.	ltem50	80.000	mtrs			0.00	0.0	0 0.0	INR Zero Only	
4.04	Supplying, installation, including suspension, testing and commissioning of following capacity bus trunking with aluminium bus bars in IP65/IP66 enclosure in convenient sections for use on, 3 phase, 4 wire, 415 volts, 50 Hz, A.C. supply including jointing of sections, flexible joints, expansion joints, bends and earthing with 2 runs of galvanised iron strips, suspenders, angle iron bracket, steel fasteners, connecting to earthing system etc. as required for 1600A. rating.	ltem51	10.000	mtrs			0.00	0.0		INR Zero Only	
Total in Figures								0.00	0.00	INR Zero Only	
Quoted Rate in	Words						INR Zero (Only		·	