



Purchase Order

Order Number CHN/PO/23-24/002183

22-09-2023 13:36:13

Shipped Location

CHN ULTRA BAR INTL T2
Travel Food Services Chennai Pvt.Ltd
Ground Floor, Second Floor,

Anna International ,Chennai Airport,Tirusula
CHENNAI, 600027

India

Contact Person

Contact No. 022-43224304
E-Mail kumar.dhulap@travelfoodservices.com

ETA:

Order Address

Invoice Location

CHN ULTRA BAR INTL T2
Travel Food Services Chennai Pvt.Ltd
Ground Floor, Second Floor,

Anna International ,Chennai
Airport,Tirusula

600027

India

IN

022-43224304

kumar.dhulap@travelfoodservices.com

Payment Terms Net 30 days

GSTIN 33AAECT8192M1ZS
No.

Corporate Address

TRAVEL FOOD SERVICES CHENNAI PRIVATE
LIMITED

Central Kitchen, Next to S2 Police Station ,
Chennai International Airport,

CHENNAI, 600027

State 33

State Name Tamil Nadu

Comp GST No. 33AAECT8192M1ZS

Requisition No.

PO Entry Date 22-09-2023

Project ID GEN

Vendor No. V0000409

Shah Enterprises
Unnat Nagar, Tarun Welfare Society, Prem

Nagar, Road No-2, Goregaon West, Mumbai
MUMBAI, 400062
India

P.A.N. No. AYHPS0274P

State Code

Vendor GST No. 27AYHPS0274P1ZQ

Vendor Inv. No. 1

Vendor Fax No.

Vendor Email shahentersindia@gmail.com

HSN\SAC

SNo	Item Code	Code	Item Description	Description 2	Item Category	UOM	Unit Cost	Qty	GST%	VAT %	Excise	Total Tax Amount(ININR)	Total Amount (ININR)
1	7000002	995421	Civil & Interior Works	Civil & Interior work		SquareF	47,53,300.00	1	18.00	0.00		0	4753300.00
2	7000012	995461	Electrical Works	Electrical work		EACH	7,46,700.00	1	18.00	0.00		0	746700.00
								Total Unit					2.00

Advance Payment - 40% along with work order RA BILL - Up to 95% after work completion & submission of invoice. Retention 5% DLP till completion of 6 months.

Total Taxable INR

55,00,000.00

Excise Amount

0.00

IGST Amount

9,90,000.00

Cess

0.00

a) Products to be Supplied by Supplier at own cost

b) Any deficiency in Documents and Process will be liability of the supplier only

c) Delivery schedule to be taken from the Buyer before

d) PLEASE SEND THE ORIGINAL COMMERCIAL/GST INVOICE ALONG WITH THE MATERIAL TO THE DELIVERY ADDRESS.

Despatching the mater

e) The Payment of taxes will be Released once the Taxes is

Credited to our Account or the GST Portal

0.00

Total INR Incl. Taxes

64,90,000.00

Disclaimer - Unless informed to us it is assumed that you are not registered as MSME with the respective government authority. If you have not yet provided the MSME details along with proof kindly provide the same at the earliest. Alternatively once you get registered then provide us relevant proof to update our records.



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Vendor Inv. No. 1

Vendor Fax No.

Vendor Email shahenterindia@gmail.com

INTERIOR CIVIL, CARPENTRY & FINISHES WORK - I

SR NO.	DESCRIPTION	shah Enterprises
1	Civil & Interior work	50,48,707
2	Electrical Work	7,93,156
Total		58,41,863
Discount		3,41,863
Total after discount		55,00,000
		3,41,748.99

4753300

746700

ULTRA BAR_CHENNAI						
BUDGETARY ESTIMATE FOR INTERIOR CIVIL, CARPENTRY & FINISHES WORK					Shah Enterprises	
SR. NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
I	DEMOLITION & REMOVAL					
1.1	Existing false ceiling rework - Removing & refixing existing false ceiling panels after construction of full ht partiton,MEP services work, light box over bar & fixing of signage works including safekeep during this period.	smt	125	1,614	2,01,750	
1.2	Temporary Barrication - Using 50mm x 50mm wood framework, covered with 6mm plywood & vinyl film, up to 2.1 meter height, including door opening in barirication with lockable door arrangement.(existing at site)	smt	192	1,500	2,87,307	
	TOTAL - I					
II	INTERIOR CIVIL WORKS					
2.1	Vinyl flooring pasting on existing granite flooring - Providing and fixing vinyl flooring of approved shade and approved make as per detail specification or as per detail drawing over granite flooring with required adhesive/ chemical, all as per detailed specification and as per instruction from EIC.	smt	125	2,500	3,12,500	
2.2	S.S. T - profile patti finished in brass coating between airport flooring & outlet flooring - Providing & fixing S.S. T - profile patti finished in Brass coating. All completed as per approved detail drawing. & instuctio given by EIC.	Rmt	34	1,150	39,100	
	TOTAL - II					
III	FRENCH PLASTER WORK					
3.1	Gypsum Skin - Over existing plywood skin. 12.5 mm thk Gypsum board to be used manufactured by "India Gypsum Board" or "La Farge" only. Gypsum Board sheets shall be fitted & finished as per manufacturer's specification. All joints to be filled with jointing compound including fibre tape reinforcement. Exclude painting	smt	7	1,100	7,700	
	TOTAL - III					
IV	PARTITION, SKIN & SKIRTING					
4.1	M.S. Framework - Generally for full ht partition,Overall ht:3900mm,on either side of existing Aluminium partition,with 2 expansion joints, using 50mmx50mmx4mm thk MS vertical sections at approx 1200mm c/c with 15mm thk ms base plate of 300mmx450mm size fixed to bare slab & soffit of slab with hold down bolts, all fixed with welding,all sections duly primered with zinc chromate in 2 coats & finished in black epoxy paint.(Approved by airport authorities for structural stabilty)	Nos	22		-	
4.2	Aluminium Partition framework - Generally for full ht partition, between existing ms verticals, using 75mm x 50 mm, 16 SWG aluminium framework at approx 600 mm c/c bothways fixed to ms vertical securely & at floor / slab.18 mm x 18mm, 3 mm aluminium angle to be used for assembling framework using round head,full thread,sheet metal screws. Framework to be fixed in perfect plum, line and level. Suitable packing to be provided behind framework for correct alignment. Excluding ms veticals & ply.	Sqm	75	4,500	3,37,500	
4.3	Ply skin - Plywood fixed to framework with flat head, full thread, sheet metal screws. Edges of plywood to end at centre of aluminium framework.Edges to be tightly screwed to aluminium framework at 300 mm c/c. Edges to be planed properly to receive finish material. All plywood IS 710 & IS 5509 grade.			2		
4.3.1	9 mm thk plywood	Sqm	7	1,900	13,300	
4.3.2	12 mm thk plywood	Sqm	75	2,100	1,57,500	

ULTRA BAR_CHENNAI					
BUDGETARY ESTIMATE FOR INTERIOR CIVIL, CARPENTRY & FINISHES WORK				Shah Enterprises	
SR. NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.3.3	18 mm thk plywood	Sqm	150	2,430	3,64,500
4.4	Laminate over plywood - Generally for full ht partition from outside,Over existing plywood skin. Using 1.0 mm thk matching oak laminate in approved pattern/as directed. Pressed over plywood as per approved design. Figure of Laminate to be matched as per design. Pressing shall be free of defects. From Greenlam or equivalent.	Sqm	75	1,500	1,12,500
4.5	Veneer over plywood - Generally for full ht partition from inside,Over existing plywood skin.Using 4.0 mm thk matching oak veneer of 3000x1200mm size,in approved pattern/as directed including on edges of panels all around.Pressing shall be free of defects.Including NBTW beadings as required.Finished with staining & water based PU.	Sqm	90	5,200	4,68,000
4.6	Metal skirting - Upto 150mm ht x 3mm thick S.S. plate in gold pvd coating to be used as skirting over full ht partition, fixed with epoxy adhesive.	Rmt	23	2,200	50,600
4.7	125mm S.S. Metal Strip in flooring - Providing and fixing/ Pasting 1 to 4mm thick S.S plate in Gold PVD Coating over existing granite flooring, complete as per detail drawing and instruction from EIC.	Rmt	16	2,400	38,400
TOTAL - IV					
V	DOORS				
5.1	Bar door - Single Leaf Door - 900mm wide x 2400mm ht,using 45mm thk marine blockboard shutter covered with 18mm thk ply from inside & finished with 4mm thk oak veneer on both sides including all edging in NBTW, fitted on heavy duty hafele/ hettich floor spring with locking arrangement. 300mm x 300mm S.S.push plates on either side of shutter in brushed gold PVD coating.	no	1	65,000	65,000
V	TOTAL - V				
VI	FURNITURE				
6.1	C shaped Bar counter - in 2 levels, at 1100mm ht x 500mm wide & 950 ht x 600mm wide tops,made using 18 mm ply/ 25mm thk marine block board with supports as shown in drawing, counter top,fascia finished in italian marble as per details in mirror polish, front apron finished in 15mm thick approved WPC panels (black color) & 150mm ht x 3mm thick ss skirting in gold pvd coating(On site cost of Italian marble at Rs.4500/smt without GST)	rmt	13	29,500	3,83,500
6.2	Bar Back counter - Overall size 3660mm long x 750mm deep x 950mm ht in profile made made using 18 mm ply/ 25mm thk marine block board with supports as shown in drawing, counter top,50mm fascia finished in italian marble as per details in mirror polish,shutters in oak veneer as required, All wood & veneer finished in water based PU in approved staining.(Onsite cost of veneer at Rs. 1500/smt without GST),(Onsite cost of Italian marble at Rs. 4500/smt without GST)	no	1	3,25,000	3,25,000
TOTAL - VI					
VII	MISCELLANEOUS WORKS				

ULTRA BAR_CHENNAI					
BUDGETARY ESTIMATE FOR INTERIOR CIVIL, CARPENTRY & FINISHES WORK				Shah Enterprises	
SR. NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7.1	Vertical fin panels - Over full ht partition, overall size:2850mm ht x 675mm width. With 12mm ply backing over existing surface & 75mmx75mm finished vertical fins, total 5 nos, made using 12/18mm thk ply covered with 1mm laminate & all finished in gold metallic duco paint including back ply.	Nos	4	1,25,000	5,00,000
7.2	Sports graphic panels - Over full ht partition,overall size: upto 2950mm ht x 2200mm wide,using custom printed wall paper as per approved graphics,covered with 12mmx25mm wide NBTW pattis with a gap of 50mm between them, duly stained & finished in approved water based PU.	Sqm	13	28,000	3,64,000
7.3	Hanging signage - Overall size: 900mm diameter, 200mm thick,hung from soffit of slab.2nos x 18mm ply covered with 1mm laminate on both sides & 8mm thick ms plate on either side of ply as shown on drawing consist the core with hanging arrangement made using 50mm diameter MS pipe. Outside with 6mm thk milky acylic sheet with back lighting arrangement with laser cut letters in 15mm thick aluminium sheet,upto 250mm ht letters as per drawing,outermost round rim of signage in 9mm aluminium sheet, all in black powder coating.	Nos	1	2,25,000	2,25,000
7.5	Lollypop signage - Providing and fixing Lollypop signage over vertical MS support as per detail drawing and specification, all as per instruction of EIC.	Nos	1	1,25,000	1,25,000
7.6	S.S. inlay in flooring - Fixing125mm wide,4mm thick S.S. plate in profile in gold PVD coating in flooring as insert over ply/wooden base fixed to slab below as per detail.Finished in level with existing flooring,include for safe keeping till handover.	Rmt	17	8,500	1,44,500
7.7	Pest Control - From PCI or equivalent company. As per manufacturers guidelines	smt	125	300	37,500
7.6	Light box - Generally on perimeter, Overall size: 200mmx250mmx900mm height,made in 12mm thick ply boxing finished with 1mm matching oak laminate on all exposed surfaces, including central cutout with light arrangement,including fixing to floor.	Nos	49	3,800	1,86,200
7.7	Planter box - Generally on perimeter, Overall size:1350mmx250mmx900mm height,made in 25mm solid MS rebars welded neatly as skeleton with planter box made in 12mm ply with 1mm oak laminate on outside with 3mm GI tray inside, all metal skeleton finished in black epoxy paint.	Nos	13	15,500	2,01,500
7.8	Hanging light box - Hung from soffit of slab over bar counter in C profile as shown in drawing.Overall size: 250mm height x150mm wide,Made using 18/12mm horizontal ply supports in laminate finish,with 2nosx4mm veneer on both vertical sides including provision for LED light.Light box hung with 6mm twisted S.S.wire supports as required.All exposed surfaces finished in Gold Metallic duco paint.	Rmt	17	3,800	64,600
7.90	Co2 cylinder boxing - Overall size:750mmx330mmx 3050mm ht, made in 12mm ply with openable shutters till 2400mm ht & with fixed band above it, all finished in Oak veneer from outside & 1mm laminate from inside including shelves above 1800mm ht,handle etc complete, all veneer finished in water based PU.	Sqm	3	14,500	36,250
TOTAL - VII					
Total Amount					50,48,707

ELECTRICAL AND ALLIED WORKS FOR THE ULTRA BAR, CHENNAI INTERNATIONAL AIRPORT, TAMIL NADU						
BILL OF QUANTITIES FOR ELECTRICAL WORKS						
Sr. No.	Item Description	Qty	Unit	Shah Enterprises		AMOUNT
				Supply Rate	Installation Rate	
A LIGHTING AND SMALL POWER INSTALLATION						
POINT WIRING						
ALL CONDUITS AND ACCESSORIES SHALL BE MINIMUM 1.60mm THICK, MS BSE CONDUIT						
ALL WIRES SHALL BE FLEXIBLE COPPER CONDUCTOR (CLASS 2 AS PER IS 8130) ZHFR INSULATION						
ALL CONCEALED CONDUITS WORKS SHALL BE FINISHED WITH CHICKEN MESH JALI AND RATE SHALL BE INCLUDED IN THE SAME						
RATE TO INCLUDE CIRCUIT WIRING FROM DB TO SWITCH BOX OR FROM SWITCH BOX TO SWITCH BOX.						
MAX 10 POINTS OR 800W WHICHEVER IS LESS SHALL BE CONSIDERED PER LIGHTING CIRCUIT						
1 Light Point Wiring						
Providing light/fan/6A socket outletpoint wiring using 3 x 2.5/1.5mm2 stranded class 2 copper conductor/ ZHFR insulated wires laid in 1.60mm thick MS BSE conduits; installed surface to ceiling/concealed in walls, within timber partitions complete as directed and as per the layout drgs. Conduits shall be cleated to the surface/walls with HG gauge GI saddles and spacers as per engg practice. Rate to include all conduits and accessories, wires. modular type wiring accessories with flush mounting MS yellow zinc passivated switch/socket boxes complete and civil works and making good.						
NOTE: ALL LIGHT POINTS SHALL BE TERMINATED WITH 3 WAY 20A CONNECTORS WITH SUFFICIENT SLACK OF WIRES in GI FLEXIBLE CONDUITS ONLY						
Rate to include supply and installation of						
a MS conduits with HG GI saddles and spacers, junction boxes, accessories and hardware etc complete						
b Wires and connections						
c Flush Mouting GI back box and wiring accessories						
d Civil works such as chasing etc and making good till rough finish plaster complete with materials						
1.1	Primary light point with 6A switch	-	nos			
1.2	Primary light point with DB controlled	6	nos	2,750	199	17,694
1.3	Signage point directly DB controlled	1	nos	3,100	199	3,299
1.4	Primary Emergency light point with 6A switch control	-	nos			
1.5	Primary Emergency light point with DB controlled	-	nos			
1.6	Secondary looping light point for normal circuits with 3 x 1.5mm2 wires	5	nos	1,250	100	6,750
1.7	Secondary looping light point for emergency circuits with 3 x 1.5mm2 wires	-	nos			
1.8	Control circuit wiring with 3 x 2.5mm2 wires for dimming	2	nos	2,250	135	4,770
2 Power point wiring for 16A, 3 pin socket outlets - for general power only						
Providing power point wiring to 16A socket outlets using 2 x 4.0mm2 + 1 x 2.5mm2 stranded class 2 copper conductor/ZHFR insulated wires laid in 1.60mm thick MS BSE conduits; installed surface to ceiling/concealed in walls, within timber partitions complete as directed and as per the layout drgs. Conduits shall be cleated to the surface/walls with HG gauge GI saddles and spacers as per engg practice. Rate to include all conduits and accessories, wires. modular type wiring accessories with flush mounting MS yellow zinc passivated switch/socket boxes complete and civil works and making good.						
GENERAL POWER SOCKET (4mm2 wiring)						
2.1	3pin/16A switched socket outlet with indicator as first point in circuit	2	nos	3,190	199	6,778
2.2	3pin/16A switched socket outlet with indicator looping point in circuit - max 3 sockets to be looped	6	nos	2,560	95	15,930
2.3	3pin/16A switched socket outlet with indicator adjacent point in the circuit	-	nos			
EQUIPMENT WIRING						

ELECTRICAL AND ALLIED WORKS FOR THE ULTRA BAR, CHENNAI INTERNATIONAL AIRPORT, TAMIL NADU						
BILL OF QUANTITIES FOR ELECTRICAL WORKS						
Sr. No.	Item Description	Qty	Unit	Shah Enterprises		
				Supply Rate	Installation Rate	AMOUNT
	Input Power Wiring from Cafe Panel / DBs, laid partly in ceiling trunking and partly in surface trunking or conduits in walls/partition drops etc. Rate to include supply and installation of 1.60mm thick MS BSE conduits . Wires shall be 650V, stranded class 2 copper conductor ZHFR Insulated wires to IS:8130 latest. Wires shall be ISI branded and BIS approved. All connections at DB and Panel end shall be provided with lugs and ferrules for identification of DB and circuit no. Wires shall be colour coded as per the phase. Rate to exclude S&I of Trunking and Wiring Accessories which is covered separately.					
2.4	Wiring for 16A/20A/25A 1PH Power Point with 2x4mm ² +1x2.5mm ² wires	400	m	210	35	98,000
2.5	Wiring for 32A 1PH Power Point with 2x6mm ² +1x4mm ² Cu./FRLS wires	-	m			
	WIRING ACCESSORIES FOR EQUIPMENT					
	S/I/T/C of the following wiring accessories complete with flush mounting boxes and connections and earth as directed and as per specifications. All respective civil works are included in the quoted rate					
2.6	3pin/16A switched socket outlet with indicator	21	nos	600	85	14,385
2.7	Industrial type 20A plastic plug & socket with 20A SP MCB in surface or concealed as single point in circuit	7	nos	2,650	225	20,125
2.8	Industrial type 32A plastic plug & socket with 32A SP MCB in surface or concealed as single point in circuit	-	nos			
2.9	Industrial Three phase point in cafeteria with 20A 5 pin socket with plug top and 20A TP MCB flush or surface mounting PLASTIC BODY - NOTE - 3phase point cable is measured seperately	-	nos			

ELECTRICAL AND ALLIED WORKS FOR THE ULTRA BAR, CHENNAI INTERNATIONAL AIRPORT, TAMIL NADU						
BILL OF QUANTITIES FOR ELECTRICAL WORKS						
Sr. No.	Item Description	Qty	Unit	Shah Enterprises		
				Supply Rate	Installation Rate	AMOUNT
TABLE SOCKET POWER WIRING & ACCESSORIES						
2.10	Table socket power wiring with 3c x 2.5mm ² copper flexible ZHFR/ZHFR cable in under floor raceways/under floor conduits. (Note raceways and conduits measured separately) for RAW power. Flex Cable shall be ZHFR insulated, ZHFR outersheath.	100	m	165	35	20,000
WIRING ACCESSORIES FOR ABOVE						
2.11	S & I of 3pin,6A switch/socket outlet for RAW power.Configuration shall be 2 nos for RAW power with 1no 16A switch with 1 no. of USB port shall be fixed on wall partition or as per the architect directed at site. All sockets shall be provided with surface mounting PVC or flush mounting MS concealed back box. Colour of SSO will be WHITE. Rate to consider with MS concealed back box and all the necessary hardware required.	4	sets	650	150	3,200
2.12	100x100x50mm GI Back box for Data /voice/TV outlets concealed inside the wall / partitions including all civil works	10	nos	150	40	1,900
TOTAL FOR LIGHTING AND SMALL POWER INSTALLATION						
B LIGHTING FIXTURES AND FANS						
NOTE- LIGHT FIXTURES WILL BE SUPPLIED BY ELECTRICAL CONTRACTOR						
	Supply, Intstallation, Testing and Commissioning of the following light fixtures complete with all tubes, lamps, starters, HF electronic ballast, fixing arrangements, ball and sockets and suspension conduits connections, earthing complete with all hardware, clamps, etc as per below specification. Rate to include all the accessories required to complete the installation of the fixtures.					
	All light fixtures shall have CRI>85, UGR<19, Lm 80, H<65%, TCT 55°C - 85°C,Burning Hours 50000hr. Hf Electronic driver - RatedV 240 Vac, Opr.V 130Vac~277Vac, 50/60Hz, IC (max) 0.19A, PF>.98, Athd <20%, Eff. >85					
1	DECORATIVE HANGING TYPE LIGHT FIXED ON BARE SLAB, 100W, 3000K, BASIC PRICE Rs.40,000/- . FINAL DETAIL AND REFERENCE IMAGE TO BE PROVIDED BY THE ARCHITECT	8	nos	40,000	2,000	3,36,000
2	5W/M LED STRIP IN COVE WITH ACRYLIC COVER 25MM WIDE, 3000K SUITABLE FOR DALI DIMMABLE BALLAST (BALLAST CONSIDERED SEPARATE)	13	m	200	100	3,900
3	10W/M LED CONCEALED STRIP WITH ACRYLIC COVER 25MM WIDE, 3000K SUITABLE FOR DALI DIMMABLE BALLAST (BALLAST CONSIDERED SEPARATE)	11	m	350	100	4,950
4	DIMMABLE BALLAST FOR THE ABOVE LED STRIP LIGHTS	4	nos	3,000	200	12,800
5	MANUAL REGULATORY LIGHT DIMMER 500W, 1 MODULE TO CONTROL THE ABOVE LED STRIP LIGHTS	1	nos	1,000	200	1,200
6	REMOVAL & REFIXING OF THE EXISTING LINEAR LIGHTS AND RECONNECTION WITH ALL THE CIRCUITS	10	nos	-	800	8,000
TOTAL FOR LIGHTING FIXTURES						
C RACEWAYS						
1 Ceiling Suspended / Surface Mounted Raceways/Trunking						
	S & I of ceiling suspended OR surface mounted MS powder coated raceways/trunking with openable flange type cover as indicated on the layout drgs. fabricated from 1.60mm sheet steel complete with couplers and hardware. MS raceway shall be factory fabricated and only minor cutting is allowed at site. The surface mounted MS shall be fixed with screws & hardware so that there is no movement of the channels. The raceway/trunking shall be earthed at the boxes/joints with 14SWG bare copper wire with screws so that earth is continuous. The raceway/trunking shall have provision of sufficient (dia) knockout at the sides at every 1 meter interval along the length of the trunking/raceways. All hardwares & accessories cost shall be included.					
1.1	100 x 50mm x 1.6mm trunking with cover of 1.60mm thick on surface (25mm dia provision of knockout)	10	m	650	150	8,000
1.2	50 x 50mm x 1.6mm trunking with cover of 1.60mm thick on surface (25mm dia provision of knockout)	15	m	450	120	8,550
1.3	Supports 2 nos x 6mm GI rods of max length 1.5m with GI C type bracket and anchor fasteners, hardware etc complete as per manufacturer for supports for the above raceways	-	nos			

ELECTRICAL AND ALLIED WORKS FOR THE ULTRA BAR, CHENNAI INTERNATIONAL AIRPORT, TAMIL NADU						
BILL OF QUANTITIES FOR ELECTRICAL WORKS						
Sr. No.	Item Description	Qty	Unit	Shah Enterprises		AMOUNT
				Supply Rate	Installation Rate	
1.4	MS Powder Coated trunking with cover of size 100 x 100mm x1.60mm for DB drops and vertical drops in DB cupboards for wires	3	m	950	100	3,150
2	HG FRLS PVC Conduits					
	S & I of FRLS HG PVC conduits with accessories installed underfloor/within walls/within timber partitions from underfloor junction boxes upto outlets within the table/walls etc complete as per specifications.					
2.1	25mm dia 2.00mm thick HG PVC conduit	-	m			
2.2	25mm dia flexible conduit with coupling at both ends	-	m			
3	MS BSE Conduits (for surface wiring only)					
	S & I of 1.60mm MS BSE conduits with all the accessories bolts,screw,coupler,jb,3/4ways,etc, installed surface on ceiling, walls, partitions etc complete as per the specifications					
3.1	25mm dia 1.60mm thick MS BSE conduit	50	m	135	45	9,000
3.2	25mm dia GI flexible conduits complete with coupler at both ends with all hardware	15	m	75	25	1,500
	TOTAL RACEWAYS & CONDUITS					
D	PANELS & DISTRIBUTION BOARDS					
	S/I/T/C of the following panels,DBs with all fuses switches, MCBs, ELCBs, busbars interconnections, earthing, angle iron frame work, etc complete as per the specifications and drgs.					
	REFER SLD FOR DETAILS					
1	MAIN DB WITH ELR, CBCT & SHUNT TRIP	1	nos	95,000	10,000	1,05,000
	Isolators/MCCBs/SFUs					
2	S/I/T/C of the following ratings of MCCBs/Isolators/SFUs/Switches in powder coated MS enclosure with cable end boxes to suit the incoming and outgoing armoured or flexible cables as per the diagram, Rate to include all hardware, supports etc complete. MS fabrication works shall be measured and paid for separately					
2.1	125A,TP+NL,FIXED,25kA,MCCB,in MS Enclosure with cable end box for termination	1	nos	20,000	7,000	27,000
	TOTAL FOR PANELS & DISTRIBUTION BOARDS					

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				Supply Rate	Installation Rate	AMOUNT
E CABLES & TERMINATION						
1	SI/T/C of 1100V grade, stranded copper/ aluminum conductor, XLPE insulated, inner sheathed, armoured and overall FRLS PVC sheathed, cable to IS 7098 Pt (I) latest; cable installed within raised access floors, cleated on walls, trays etc with AL clamps, as indicated on the drg and as directed by the Architects/Consultant. Rate to exclude all excavation, ducts, trays etc - measured sep. Rate to include all clamps/GI saddles and spacers, hardware, cable identification tags, etc as per specifications.					
REFER SLD & CABLE SCHEDULE FOR DETAILS						
AL. ARMoured XLPE CABLES						
1.1	3.5c x 70mm2 A2XFY AL/XLPE/PVC cable	-	m			
1.2	3.5c x 35mm2 A2XFY AL/XLPE/PVC cable	25	m	300	85	9,625
2	Cable end terminations with Double Compression type cable glands and crimping type copper or aluminium lugs, connections, hardware and earth and shrouds covering the gland. Note the earth shall be provided in continuity for all the glands within a panel with 2.5mm2 wire and the cost for the same shall be included in the quoted rate. Aluminium cables will be provided with aluminium lugs; copper cables shall be provided with copper lugs. In case the busbar material and lug material are different Bi metallic washers shall be provided for the same. note that the lug dimension and bolt dimension shall be same and there shall not be any play between the two. Spring and plain washers shall be provided for each lug					
AL. ARMoured XLPE CABLES						
2.1	3.5c x 70mm2 A2XFY AL/XLPE/PVC cable	1	nos	700	250	950
2.2	3.5c x 35mm2 A2XFY AL/XLPE/PVC cable	2	nos	500	180	1,360
TOTAL FOR CABLES & TERMINATION						
F EARTHING AND GROUNDING SYSTEMS						
1	S & I of the following sizes of earthing conductors laid in ground/cleated on wall ceiling etc complete with all joints/welding brazing etc and all hardware as per specs.					
GI Earth Strips						
2.1	25 x 3mm GI strip for body earthing systems	-	m			
2.2	20 x 3mm GI strip for body earthing systems	-	m			
2.3	14SWG GI wire	-	m			
2.4	8SWG GI wire	50	m	40	10	2,500
TOTAL FOR EARTHING AND GROUNDING SYSTEMS						
G MISCELLANEOUS ITEMS						
1	Charges for providing temporary wiring with a distribution board and flexible wires with tube lights and socket for temporary lighting and power for construction. Note ELCB shall be provided.	1	job	15,000	6,000	21,000
2	Providing the following safety equipments/accessories of I.S. approved make.					
2.1	2mm thick rubber mat of suitable dimension in front of L.T. Panels as per IS 15625	-	m2			
2.2	First aid boxes with all standard contents.	1	set	2,000	100	2,100
2.3	Shock treatment instruction charts in Local Language & English in good quality frame & glass cover.	1	nos	2,000	100	2,100
2.4	Providing the Floor SLD printed on A2/A3 size paper and stucked on high quality wooden frame with glass cover in the floor electrical room	1	nos	990	100	1,090
5 TV SYSTEM WIRING						
5.1	Providing and pulling co axial RG 11 armoured cable for SMATV system main run per floor including all end connections and terminations (Considering RG 11 cable will be provided by airport authority team upto the store outlet, further cabling will be in scope of contractor)		m			
5.2	Providing and pulling co axial armoured RG6 cable for taps offs to TV outlets in different areas	50	m	130	45	8,750
5.3	Providing and fixing at approved locations the following Splitters/ Tapp offs for SMATV System					
	3 Ways Tap offs/Splitters.	1	nos	500	100	600
	2 Ways Tap offs/Splitters.	-	nos			
	4 Ways Tap offs/Splitters.	-	nos			
5.4	Providing and fixing Modular TV Outlet BNC type connector in concealed MS Box.	2	nos	500	100	1,200

ELECTRICAL AND ALLIED WORKS FOR THE ULTRA BAR, CHENNAI INTERNATIONAL AIRPORT, TAMIL NADU						
BILL OF QUANTITIES FOR ELECTRICAL WORKS						
Sr. No.	Item Description	Qty	Unit	Shah Enterprises		AMOUNT
				Supply Rate	Installation Rate	
	TOTAL FOR MISCELLANEOUS					
	SUMMARY OF TENDER					
	PART A - LIGHTING AND SMALL POWER INSTALLATION					
	PART B - LIGHTING FIXTURES					
	PART C - RACEWAYS & CONDUITS					
	PART D - PANELS & DISTRIBUTION BOARDS					
	PART E - CABLES AND TERMINATIONS					
	PART F - EARTHING AND GROUNDING SYSTEM					
	PART G - MISCELLANEOUS ITEMS					
	TOTAL					
	TOTAL SUPPLY AND INSTALLATION					7,93,156