



The Tamil Nadu Handicrafts Development Corporation Ltd
(a Government of Tamil Nadu Undertaking)

Tender ref: TNHDC/1381/DC/19-20 (2) dated 19.03.2022

Tender for Civil works relating to construction of Craft Display cum Demonstration Centre and additional stalls, Mamallapuram.

CORRIGENDUM-1, Date: 07.04.2022

The tender for the above said civil works was published in the website on 19.03.2022 and the last date for submission of tender documents for the above tender is 11.04.2022 at 3.00 p.m. Based on the queries received during the pre-bid meeting, the following amendments are issued in the tender schedule as per Rule 17(1) of The Tamil Nadu Transparency in Tender rules, 2000:

SI.No.	Queries	Existing clause	Revised Clause
1	Page no. 53 – SI.No.17 Electrical & Illumination works	LS (details not furnished)	As per annexure.1 (LS details furnished)
2.	Page no. 53 – SI.No.18 Plumbing & Sanitation works	LS (details not furnished)	As per annexure.2 (LS details furnished)
3.	Structural & Foundation Drawings to be furnished	-	Enclosed.
4.	Wherether M-Sand can be used?	-	Yes
5.	Whether GST 12% or 18%	-	Whatever applicable
6.	In page no. 54 demonstration yard only mentioned in the drawing BoQ to be furnished.	-	The estimate and BoQ considered the quantity of the whole building.

Managing Director

ELECTRICAL & ELV BOQ FOR DEMO CENTRE

S.No.	Description	Unit	Total		Rate		Amount	
			Qty.		Supply	Erection	Supply	Erection
1.0	POINT WIRING:							
1.1	Supply, installation, testing and commissioning of point wiring using 3 runs of 1.5 sqmm FRLS (P, N & E) PVC insulated, unsheathed, multistrand copper conductor wires in 20mm dia PVC conduit. The rate shall include wall cutting, plastering, supply of wires, conduits, junction box, termination accessories, 16G metal switch boxes modular type one/two way 6A switch/sockets, suitable front plate as required.							
a)	Primary Point(one way)	Point	30					
b)	secondary Point	Point	20					
c)	Mirror light point (one way)	Point	3					
d)	Two way point light point	Point	4					
e)	one way fan point with 1M electronic regulator	Point	16					
f)	Exhaust fan point including 6A socket near fan	Point	2					
g)	Call bell point with bell push	Point	3					
h)	Chandler point with dimmer control	Point	1					
2.0	PRIMARY CIRCUIT WIRING:							
2.1	Supply, Wiring testing & commissioning of 2R 2.5 with 1R 1.5sqmm PVC insulated copper conductor 1100 volts grade FRLS wire in suitable concealed heavy duty PVC conduit with all accessories as required for lighting & small power circuit mains from DB to switch/socket board.	Mtrs	250					

2.2	Supply, Wiring testing & commissioning of 2R 4.0 with 1R 2.5sqmm PVC insulated copper conductor 1100 volts grade FRLS in suitable concealed heavy duty PVC conduit with all accessories as required for 16A power circuit mains from DB to socket.	Mtrs	150				
2.3	Supply, Wiring testing & commissioning of 4R 6.0 with 2R 2.5sqmm PVC insulated copper conductor 1100 volts grade FRLS in suitable concealed heavy duty PVC conduit with all accessories as required for DB incomer.	Mtrs	50				
3.0	POWER OUTLETS:						
3.1	Supply, fixing, testing & commissioning of 6A 5pin modular type socket & switch located at switch box/location with suitable front plate GI back box. The cost of including cutting and filling chases, termination, identification etc as required.	Sets	18				
3.2	Supply, fixing, testing & commissioning of 6A 5pin modular type dependent socket & switch with suitable front plate GI back box. The cost of including cutting and filling chases, termination, identification etc as required.	Sets	12				
3.3	Supply, fixing, testing & commissioning of 6/16A modular type dependent Switch & socket with suitable front plate GI back box. The cost of including cutting and filling chases, termination, identification etc as required.	Sets	15				
3.4	Supply, fixing, testing & commissioning of 20A modular type dependent Switch & socket with suitable front plate GI back box. The cost of including cutting and filling chases, termination, identification etc as required.	Sets	12				
4.0	DISTRIBUTION BOARDS:						
4.1	Supply, installation, testing & commissioning of 8way TPN 7segment double door MCB Distribution boards (IP42) for Lighting distribution as per the technical specification & comprising of following.	set	1				
	Incomer						
	1No 40A 4P MCB						
	Phase control						
	3Nos 40A, 30mA DP RCCB						
	Outgoings						

	24Nos 6-20A SP MCB					
4.2	Supply, installation, testing & commissioning of 12way TPN 7segment double door MCB Distribution boards (IP42) for power distribution as per the technical specification & comprising of following.	set	1			
	Incomer					
	1No 63A 4P MCB					
	Phase control					
	3Nos 63A, 100mA DP RCCB					
	Outgoings					
	30Nos 16-20A SP MCB					
4.3	Supply, installation, testing & commissioning of 8way SPN double door horizontal MCB Distribution boards (IP42) as per the technical specification & comprising of following.	set	1			
	Incomer					
	1No 25A 30mA DP RCCB					
	Outgoings					
	6Nos 6-10A SP MCB					
4.4	Supply, installation, testing & commissioning of 4way VTPN double door MCB Distribution boards (IP42) as per the technical specification & comprising of following.	set	1			
	Incomer					
	1No 80A TP MCCB					
	Outgoings					
	1Nos 63A TP MCB					
	2Nos 40A TP MCB					
	3Nos 6-20A SP MCB					
5.0	CABLE & TERMINATION:					
5.1	Supply, laying, testing & commissioning of following cables with termination using suitable glands & lugs.					
a	4Cx25sqmm A2XFY cable	Mtrs	25			
	Termination for above cable	Ends	2			

b	4Cx16sqmm A2XFY cable	Mtrs	40				
	Termination for above cable	Ends	4				
6	Luminaires						
6.1	Supply, Installation of the following LED light fixtures & fans with necessary accessories such as fasteners, downrods, M.S.pipes & all accessories as required at site.						
a	26W Ceiling/false ceiling mounted LED light	Set	6				
b	20W LED tube light	Set	16				
c	Water proof Wall Mounted fancy 12 W LED light	Set	8				
d	LED-Picture light/ Mirror light (1X8W)	Set	8				
e	LED-Outdoor water proof down light/ focus light (1X8W)	Set	6				
f	Track light fixture for Light fixture	Nos	8				
g	Track light fixture with 8W LED LIGHT	Nos	16				
h	Track light fixture with 4W LED LIGHT	Nos	8				
i	LED strip with regulator	Mtrs	50				
j	Chandliar Light	Set	2				
k	1200mm dia Ceiling Fan	Set	2				
l	600mm dia Ceiling Fan	Set	2				
m	200mm dia Exhaust Fan	Set	2				
n	Wall Mounted fan	Set	5				
o	40W street light with wall bracket	Set	2				
p	bulkhead fitting	Set	3				
q	Buzzer	Set	1				
r	6W Wall mount speaker	Set	3				

7.0	COMMUNICATION CABLE & CONDUITS:						
7.1	Supply and laying following sizes of Heavy duty PVC conduits concealed in the ceiling, floors, wall etc with all accessories like bends, couplers, pullwire etc including cutting and filling the chases						
a	40mm Dia	Mtr	250				
b	25mm Dia	Mtr	200				
c	19mm Dia	Mtr	52				
7.2	Supply, laying of CAT6 cable for Projector cable communication.	Mtr	25				
7.3	Supply and installation of modular flush mounted RJ45 data Outlet with front plate 1.2mm thick GI Box complete with all accessories as required.	Nos	6				
7.40	Supply, laying of twin core twisted pair cable for speaker	Mtr	59				
8.0	EARTHING						
8.1	Supply,Installation, testing & commissioning of 40mm dia chemical Earth electrode with flange of 3m length buried in ground as per IS The rates shall include excavation of the pit, construction of masonry chamber,providing heavy duty concrete cast slab , painting & making etc.,	Set	1				
8.2	Supply, Wiring testing & commissioning of 2R 6.0 sqmm PVC insulated copper conductor in suitable concealed heavy duty PVC conduit with all accessories as required for main earthing	mtr	30				
	SUB TOTAL						
	GRAND TOTAL						

PROJECT: PROPOSED PLUBING & SANITATION WORK BOQ FOR DEMO CENTRE AT MAHABALIPURAM				
SUBJECT: SUMMARY				
PART	SUMMARY	SUPPLY IN INR	ERECTION IN INR	TOTAL AMOUNT IN Rupees
				(SUPPLY & ERECTION)
I	SANITARY FIXTURES & FITTINGS			
II	SOIL WASTE AND RAIN WATER PIPES			
III	INTERNAL WATER SUPPLY SYSTEM			
IV	EXTERNAL SEWERAGE WATER SYSTEM			
V	EXTERNAL WATER SUPPLY			
	TOTAL			
NOTE: TAXES WILL BE EXTRA AS APPLICABLE				

SUBJECT: SANITARY FIXTURES & FITTINGS

SI.No	DESCRIPTION	UNIT	QTY	RATE		AMOUNT	
				SUPPLY	ERECTION	SUPPLY	ERECTION
I	PLUMBING AND SANITATION WORKS						
1	Receiving, Installing, testing and commissioning of white color Indian water closet with dual flush open Cistern with necessary stand, bend, check nut, P-trap (or) S-trap, stop cock etc., solid seat and cover with polythene buffer and flap, CP flanges, CP bolts and nuts, a Pair of chair bracket and painting the brackets with anti corrosive paint with nuts and bolts, wall flanges etc., complete.	Nos	2				
2	Receiving, Installing, testing and commissioning of white color European water closet with dual flush Concealed Cistern with necessary stand, bend, check nut, P-trap (or) S-trap, stop cock etc., solid seat and cover with polythene buffer and flap, CP flanges, CP bolts and nuts, a Pair of chair bracket and painting the brackets with anti corrosive paint with nuts and bolts, wall flanges etc., complete.	Nos	1				
3	supply, Fixing, testing & Commissioning of Rectangular type wash basin white color with single lever sensor tap, 32mm dia.CP bottle trap with extension pipe, 32 mm dia. CP waste Coupling, M.S.wall brackets with a pair of SS screws to support the basin, 1no.15mm CP angle valve with 450 mm long CP inlet connection pipe, CP wall flange all of approved etc.,	Nos	3				

	Sanitary ware:						
	CP fittings						
	Pillar cock:	Nos	3				
4	Supplying, fixing, testing and commissioning, White glazed Hindware urinals with SS connection pipe, Spreader with SS bolts and nuts to fix the urinal with all hangers and brackets complete.						
		Nos	2				
5	Supply Fixing, testing and commissioning, White glazed Hindware urinal Divider with SS bolts and nuts to fix and brackets complete	Nos	1				
6	Supplying, installing, testing and commissioning of CP single lever mixer unit comprising of diverter, spout, with necessary wall flanges etc., complete	Nos	3				
7	Collecting fixing, testing and commissioning of CP brass concealed stop cock with adjustable wall flange for master control in toilets.						
	20 mm dia	Nos	2				
8	supply, fixing, testing CP double coat hook fixed on to toilet doors with SS screws complete.	Nos	3				
9	supply, fixing, testing and commissioning of CP 20mm dia 600mm long towel rail with necessary SS screws, CP end clamps etc.complete.	Nos	2				

10	supply, fixing, testing soap dispenser with metallic bottle and necessary SS screws, etc complete	Nos	2				
11	supply, fixing, testing CP toilet paper holder with SS flap fixed with SS screws etc, complete.	Nos	3				
12	supply, checking, storing & fixing 15 mm. dia exposed angular stop cock with 1/2" outlet with wall flange and all accessories,	Nos	3				
TOTAL - Part I (Amount C/o to Summary)							

SUBJECT: SOIL WASTE AND RAIN WATER PIPES							
SI.No	DESCRIPTION	UNIT	QTY	RATE IN INR		AMOUNT IN INR	
				SUPPLY	ERECTION	SUPPLY	ERECTION
II	SOIL WASTE VENT AND RAIN WATER PIPES						
1	Supplying, fixing, testing and commissioning of PVC Soil, waste and ventilating pipes (SWR) conforming to IS:13592 /1990 -Type B with rubber ring (conforming to IS : 5382) joints inclusive of all necessary specials like bends, tee, offsets, door bends, junctions, cowls etc., laid under floor /fixed on walls and in pipe shaft with proper pipe support like brackets, hangers, MS grip bolts etc., complete. The support shall be painted with two coats of enamel paint.						
	INTERNAL						
	40 mm for Wash basin drains	Rmt	24				
	50 mm for Washing M/c & Sink	Rmt	6				
	75 mm Waste pipe	Rmt	24				
	110 mm soil pipe	Rmt	12				
	VERTICAL RISER						
	110 mm (Rain water -vertical)	Rmt	24				
	110 mm (soil -vertical)	Rmt	12				
	75 mm (waste -vertical)	Rmt	24				
2	Supplying, installing, testing and commissioning of PVC Floor trap with 110mm dia inlet and 75mm dia. outlet fixed on a bed of cement concrete with 150 x 150mm stainless steel type grating with threaded cover (Heavy duty type) etc., complete. The cost shall include Cockroach Traps.,	Nos	4				
3	Providing and fixing Heavy class S.S. grating with cockroach/mosquito proof S.S. strainer of Chilly or equivalent make, as approved, (incl cockroach trap) including setting in floor with cement mortar to match with floor finish as per architect requirements	Nos	4				

4	Fixing of the C.I khurra incl 100x300mm Bell Mouth Roof Drain within the water proofing fill above roof and taking out rain water outlet by fixing an elbow to the khurra outlet and making connection to the rain water down coming pipe, painting the grating with one coat of primer and two coats of black enamel paint.						
	110mm	Nos	2				
T O T A L - PART II (Amount C/o to Summary)							

2	Providing, fixing, jointing and testing in position the following U-PVC Pipes as per ASTM D 1785 Schedule 80 and threaded conforming to IS:554, All fittings to be of Schedule 80. . Cut to required lengths including all necessary fittings and specials such as bends, tees, unions, reducers, flanges and plugs etc. The pipes & fittings shall be tested to a pressure as per IS & suppliers standards. he pipes shall be duly fixed at site, with necessary cutting & jointing of pipe with approved quality jointing lubricant. The pipes shall be erected plumb in the risers. Erection of the above pipe including cutting, jointing of pipes with necessary fittings, erection of the pipes plumb to vertical, clamping the pipes on to MS Hot dip galvanized clamps, pressure testing of pipes, complete.						
	Riser & Terrace Ring Main						
	b) 25 mm dia (I.D)	Rmt	12				
	c) 32 mm dia (I.D)	Rmt	18				
	e) 40 mm dia (I.D)	Rmt	12				
	f) 50 mm dia (I.D)	Rmt	12				
3	Supplying, installing and testing and commissioning of approved make PN 16 class GM ball valves with necessary unions etc., complete in all respect.						
	a) 20 mm dia	Nos	4				
	b) 25 mm dia (Screwed ends)	Nos	2				
	c) 32 mm dia (Screwed ends)	Nos	1				
	d) 40 mm dia (Screwed ends)	Nos	1				
	e) 50 mm dia (Screwed ends)	Nos	1				
4	Supplying, installing, testing and commissioning approved make pilot operated float valve with 2 Nos. bypass connection lines						
	a) 40mm dia	Nos	1				

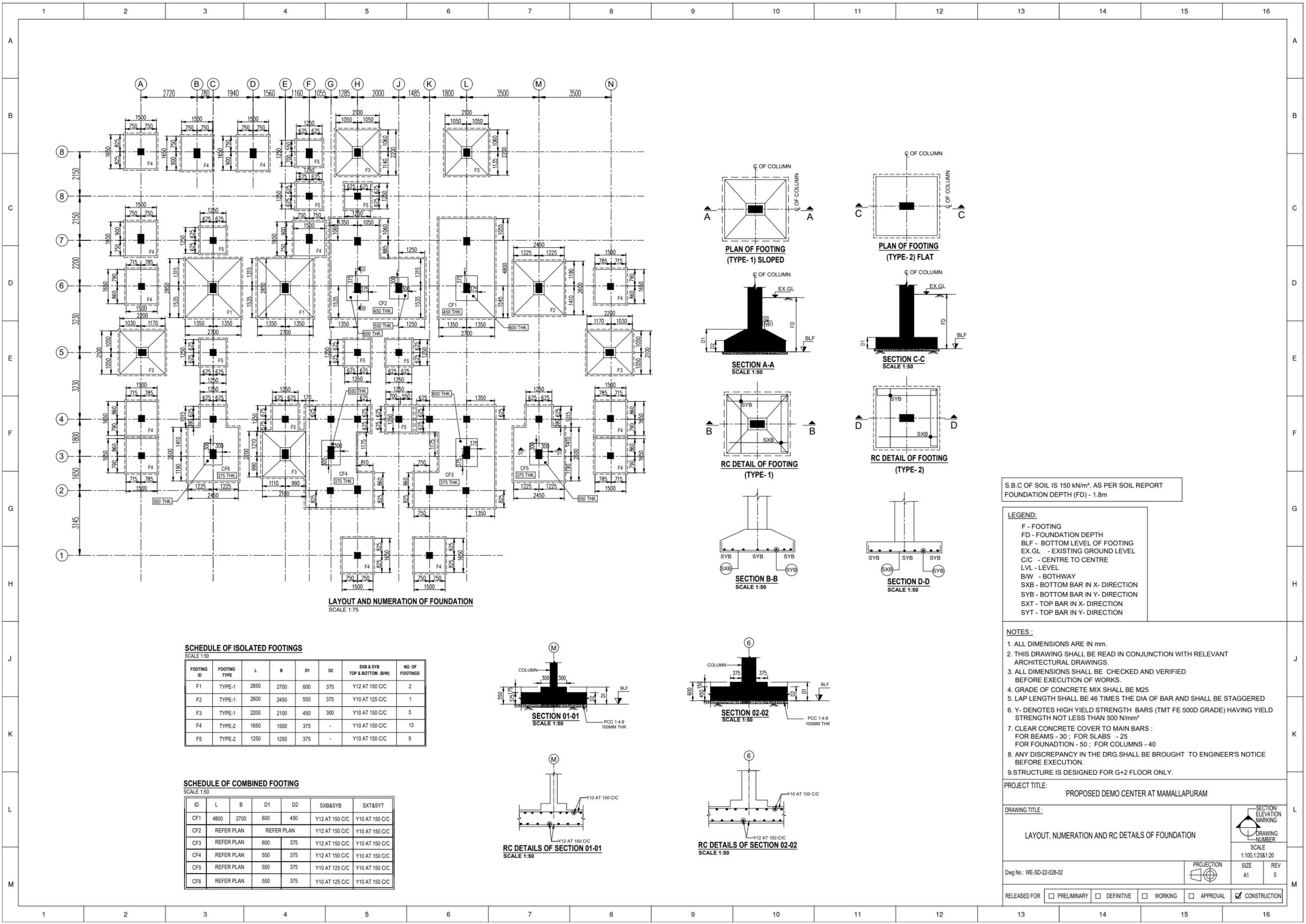
5	Providing and fixing GM Air release valve incl 25 to 20 reducer , double acting, of approved make, having 2 chambers with ebonite ball, small and large orifices with isolating stop screw down valve, GM seats, high tensile brass spindle with cap, conforming to standard water works pattern. Flanges as per IS : 15381, flat faced and drilled, complete of the following nominal bore (NB) size:	Nos	1				
6	M.S brackets for the supports of pipes	Kg	15				
T O T A L - PART III (Amount C/o to Summary)							

SUBJECT: EXTERNAL SEWERAGE SUPPLY							
SI.No	DESCRIPTION	UNIT	QTY	RATE IN INR		AMOUNT IN INR	
				SUPPLY	ERECTION	SUPPLY	ERECTION
IV	EXTERNAL SEWERAGE SYSTEM						
1	Providing and fixing testing and commissioning of PVC pipe for Risers to IS:13592 of SWR quality Type B, for ground floor buried lines, external buried including all fittings like tees, elbows, bends, collars, coupling, brackets, clamps, fasteners, , etc jointing with rubber ring / solvent cement followed by application of leak proof adhesive like FRP paste complete. The pipes shall be fixed properly aligned vertical with suitable Galvanized MS pipe clamps. Work to include making necessary holes in the masonry walls etc.. and making good the damaged portions with mortar filling with 1:4 mix. Before handing over, leak test shall be carried out and any defects found shall be rectified. ,						
	75mm dia	Rmt	3				
	110mm dia	Rmt	9				
	160mm dia	Rmt	6				
2	Supplying, fixing and testing of PVC Fabricated Gully Trap with top square bodies 300mm x 300mm, set in PCC 1:3:6 bed with RCC chamber and top cover shall be as indicated in the drawings, internal and external plastering 12mm thick in CM1:6 with water proofing compound including, excavating, refilling and ramming ,D.I (heavy duty type 40T) manhole cover with frames Heavy duty etc., complete	Nos	1				

3	Construction of inspection chamber with 230mm best quality approved Table Moulded bricks in CM 1:3 over a bed of 100mm thick PCC 1:4:8, internal walls plastered in CM 1:3 with water Proofing Compound and external wall with CM1:3 with sponge finish, benching and channeling in PCC1:4:8. Supplying and fixing D.I (heavy duty type 40T) manhole cover with frames (Heavy duty) . The quoted rate shall also include necessary excavation and backfilling the area around the inspection chamber with proper compaction. Internal chamber maximum depth not exceeding 1200mm.						
	Soil Network						
	a) 450mm x 450mm (clear internal dimension)	Nos	1				
	b)600x600 internal dimension Depth up to 600mm	Nos	1				
5	FOR INJECTION WELL: Earth work - digging the well 4feet dia- 10feet deep for injection well. supply and installation of Reinforced concrete Rings - 3 feet OD & 1 feet Height, 65 MM Thick - 10 no's. supply and installation of Reinforced concrete slab- 3 feet in dia, 75 mm thick, and 25 mm perforated - 8 mm mild steel rods used for reinforcement -1" Perforated - 1no's. supply and installation of Reinforced concrete closing slab - 3 feet in dia OD, 75 mm thick, 8 mm mild steel rods used for reinforcement with 600mm x 600mm Square FRP/Plastic manhole cover - 1no's. supply and installation of MS grating - 6*6inch square - 2no's Filtration Media Installation For Injection Well Unit: 40 mm crushed stones - 0.12cum, 20 mm crushed stones - 0.12cum, Brick Bats - 0.12cum, Mixture of Brick Bats and Gravels for filling the gap between excavated earth and RCC rings- 1.6cum Shifting of excavated earth to the approved / authorized dumping yard as directed by the authorities / Site in charge	Nos	1				
	T O T A L - PART IV (Amount C/o to Summary)						

SUBJECT: EXTERNAL WATER SUPPLY

SI.No	DESCRIPTION	UNIT	TOTAL	RATE IN INR		AMOUNT IN INR	
				SUPPLY	ERECTION	SUPPLY	ERECTION
V	EXTERNAL WATER SUPPLY						
1	Providing, fixing, jointing and testing in position the following U-PVC Pipes as per ASTM D 1785 Schedule 80 and threaded conforming to IS:554, All fittings to be of Schedule 80. . Cut to required lengths including all necessary fittings and specials such as bends, tees, unions, reducers, flanges and plugs etc. The pipes & fittings shall be tested to a pressure as per IS & suppliers standards. he pipes shall be duly fixed at site, with necessary cutting & jointing of pipe with approved quality jointing lubricant. The pipes shall be erected plumb in the risers. Erection of the above pipe including cutting, jointing of pipes with necessary fittings, erection of the pipes plumb to vertical, clamping the pipes on to MS Hot dip galvanized clamps, pressure testing of pipes, complete.						
	a) 32 mm dia (I.D)	Rmt	12				
	b) 40 mm dia (I.D)	Rmt	6				
2	Supplying, installing, testing and commissioning butterfly valves with standard lever conforming to IS standard 13039 with necessary flanges, nuts and bolts etc., complete.						
	a) 100 mm dia	Nos	1				
3	Supplying and fixing in position approved make PN 16 non-return valve conforming to IS 778 with unions etc., complete.						
	a) 32 mm dia		1				
	b) 40mm dia	Nos	1				
4	Supplying and fixing in position approved make pot / Y - strainer complete conforming to IS standards etc., complete.						
	a) 50 mm dia	Nos	1				
TOTAL -PART V (Amount C/o to Summary)							



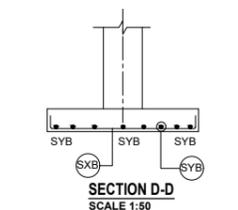
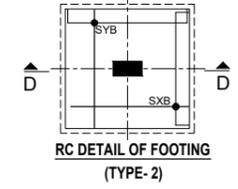
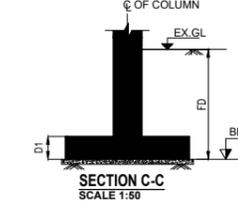
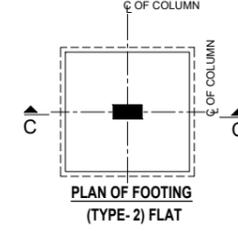
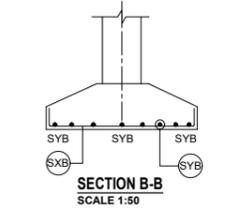
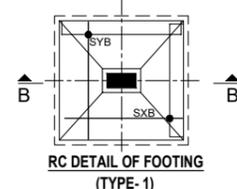
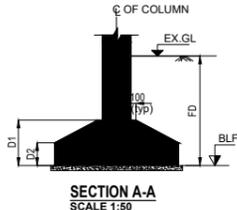
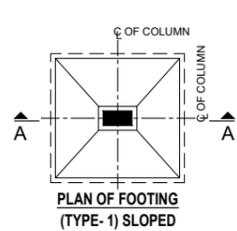
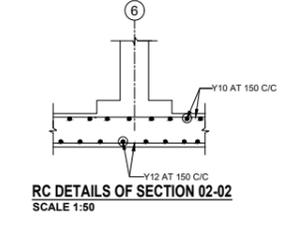
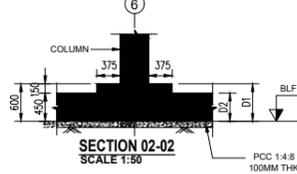
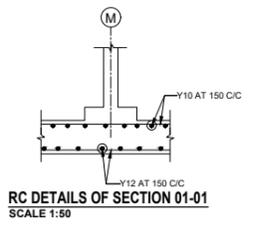
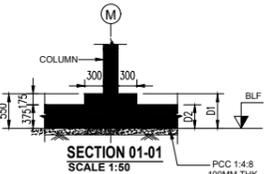
LAYOUT AND NUMERATION OF FOUNDATION
SCALE 1:75

SCHEDULE OF ISOLATED FOOTINGS
SCALE 1:50

FOOTING ID	FOOTING TYPE	L	B	D1	D2	SXB & SYB TOP & BOTTOM (B/W)	NO. OF FOOTINGS
F1	TYPE-1	2850	2700	600	375	Y12 AT 150 C/C	2
F2	TYPE-1	2600	2450	550	375	Y10 AT 125 C/C	1
F3	TYPE-1	2200	2100	450	300	Y10 AT 150 C/C	5
F4	TYPE-2	1650	1500	375	-	Y10 AT 150 C/C	13
F5	TYPE-2	1250	1250	375	-	Y10 AT 150 C/C	9

SCHEDULE OF COMBINED FOOTING
SCALE 1:50

ID	L	B	D1	D2	SXB&SYB	SXT&SYT
CF1	4800	2700	600	450	Y12 AT 150 C/C	Y10 AT 150 C/C
CF2	REFER PLAN	REFER PLAN			Y12 AT 150 C/C	Y10 AT 150 C/C
CF3	REFER PLAN		600	375	Y12 AT 150 C/C	Y10 AT 150 C/C
CF4	REFER PLAN		550	375	Y12 AT 150 C/C	Y10 AT 150 C/C
CF5	REFER PLAN		550	375	Y10 AT 125 C/C	Y10 AT 150 C/C
CF6	REFER PLAN		550	375	Y10 AT 125 C/C	Y10 AT 150 C/C



S.B.C OF SOIL IS 150 kN/m², AS PER SOIL REPORT
FOUNDATION DEPTH (FD) - 1.8m

- LEGEND:**
- F - FOOTING
 - FD - FOUNDATION DEPTH
 - BLF - BOTTOM LEVEL OF FOOTING
 - EX.GL - EXISTING GROUND LEVEL
 - C/C - CENTRE TO CENTRE
 - LVL - LEVEL
 - B/W - BOTHWAY
 - SXB - BOTTOM BAR IN X- DIRECTION
 - SYB - BOTTOM BAR IN Y- DIRECTION
 - SXT - TOP BAR IN X- DIRECTION
 - SYT - TOP BAR IN Y- DIRECTION

- NOTES:**
- ALL DIMENSIONS ARE IN mm.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
 - GRADE OF CONCRETE MIX SHALL BE M25
 - LAP LENGTH SHALL BE 46 TIMES THE DIA OF BAR AND SHALL BE STAGGERED
 - Y - DENOTES HIGH YIELD STRENGTH BARS (TMT FE 500D GRADE) HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm²
 - CLEAR CONCRETE COVER TO MAIN BARS :
FOR BEAMS - 30 ; FOR SLABS - 25
FOR FOUNDATION - 50 ; FOR COLUMNS - 40
 - ANY DISCREPANCY IN THE DRG. SHALL BE BROUGHT TO ENGINEER'S NOTICE BEFORE EXECUTION.
 - STRUCTURE IS DESIGNED FOR G+2 FLOOR ONLY.

PROJECT TITLE: PROPOSED DEMO CENTER AT MAMALLAPURAM

DRAWING TITLE: LAYOUT, NUMERATION AND RC DETAILS OF FOUNDATION

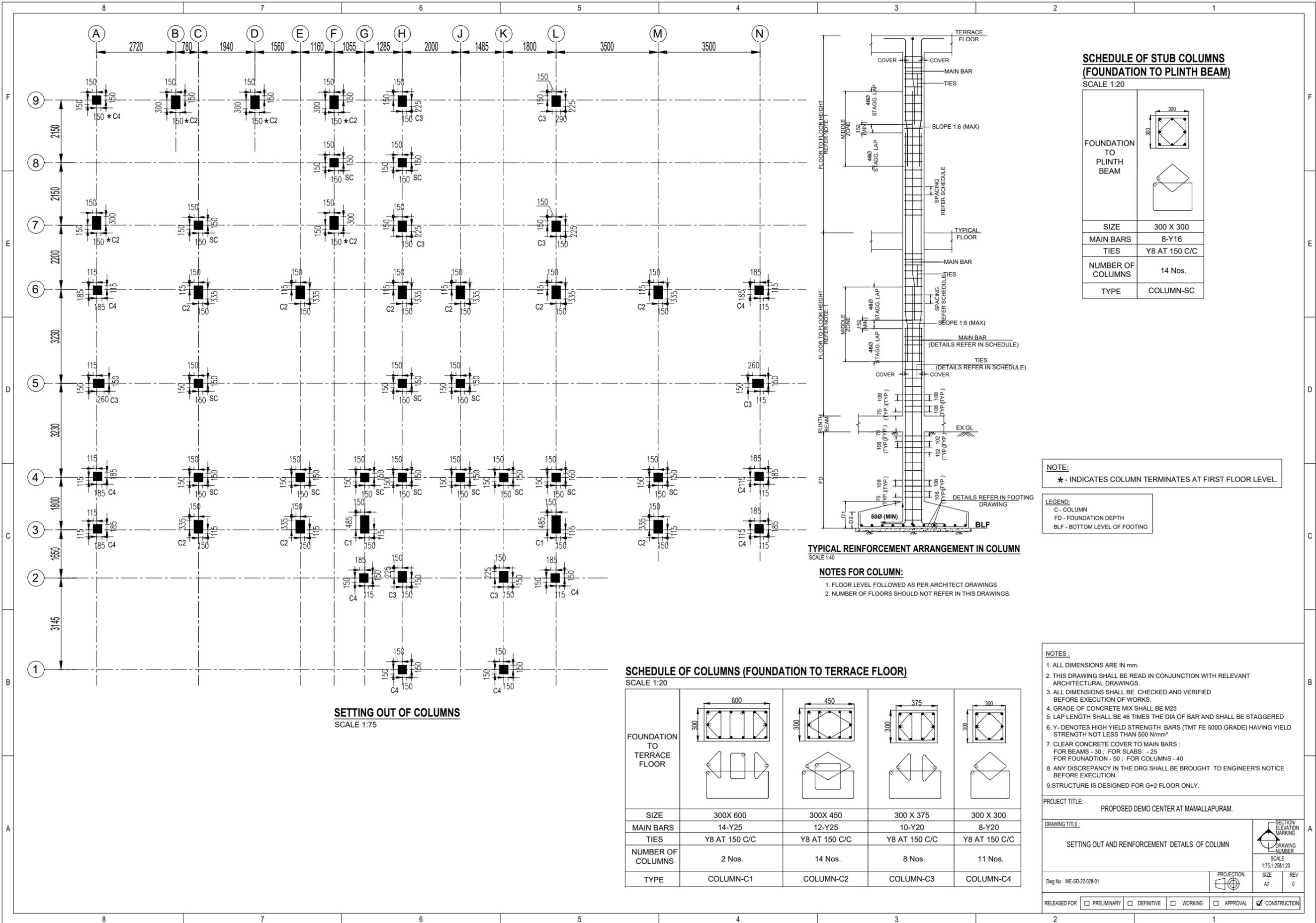
Dwg No : WE-SD-22-028-02

PROJECTION:

SIZE: A1

REV: 0

RELEASED FOR: PRELIMINARY DEFINITIVE WORKING APPROVAL CONSTRUCTION



SCHEDULE OF STUB COLUMNS (FOUNDATION TO PLINTH BEAM)

SCALE 1:20

FOUNDATION TO PLINTH BEAM	
SIZE	300 X 300
MAIN BARS	8-Y16
TIES	Y8 AT 150 C/C
NUMBER OF COLUMNS	14 Nos.
TYPE	COLUMN-SC

TYPICAL REINFORCEMENT ARRANGEMENT IN COLUMN

- SCALE 1:40
- NOTES FOR COLUMN:**
- FLOOR LEVEL FOLLOWED AS PER ARCHITECT DRAWINGS
 - NUMBER OF FLOORS SHOULD NOT REFER IN THIS DRAWINGS.

SETTING OUT OF COLUMNS

SCALE 1:75

SCHEDULE OF COLUMNS (FOUNDATION TO TERRACE FLOOR)

SCALE 1:20

FOUNDATION TO TERRACE FLOOR				
SIZE	300X 600	300X 450	300 X 375	300 X 300
MAIN BARS	14-Y25	12-Y25	10-Y20	8-Y20
TIES	Y8 AT 150 C/C			
NUMBER OF COLUMNS	2 Nos.	14 Nos.	8 Nos.	11 Nos.
TYPE	COLUMN-C1	COLUMN-C2	COLUMN-C3	COLUMN-C4

NOTE:
* - INDICATES COLUMN TERMINATES AT FIRST FLOOR LEVEL.

LEGEND:
C - COLUMN
FD - FOUNDATION DEPTH
BLF - BOTTOM LEVEL OF FOOTING

- NOTES:**
- ALL DIMENSIONS ARE IN mm.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
 - GRADE OF CONCRETE MIX SHALL BE M25
 - LAP LENGTH SHALL BE 46 TIMES THE DIA OF BAR AND SHALL BE STAGGERED
 - Y - DENOTES HIGH YIELD STRENGTH BARS (TMT FE 500D GRADE) HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm²
 - CLEAR CONCRETE COVER TO MAIN BARS :
FOR BEAMS - 30 ; FOR SLABS - 25
FOR FOUNDATION - 50 ; FOR COLUMNS - 40
 - ANY DISCREPANCY IN THE DRG. SHALL BE BROUGHT TO ENGINEER'S NOTICE BEFORE EXECUTION.
 - STRUCTURE IS DESIGNED FOR G+2 FLOOR ONLY.

PROJECT TITLE: PROPOSED DEMO CENTER AT MAMALLAPURAM.

DRAWING TITLE: SETTING OUT AND REINFORCEMENT DETAILS OF COLUMN

Dwg No : WE-SD-22-028-01

RELEASSED FOR: PRELIMINARY DEFINITIVE WORKING APPROVAL CONSTRUCTION

SECTION ELEVATION MARKING:

DRAWING NUMBER: 1

SCALE: 1:75, 1:25 & 1:20

PROJECTION:

SIZE: A2

REV: 0