

Bangalore International Airport Limited												
SCHEDULE OF BILL OF QUANTITIES - DRAINAGE & WATER SUPPLY WORK												
KFC - BIAL												
RA-1												
FINAL												
Item No.	Description	Unit	Qty(Total)	Rate	Amount	Qty	%	Amount	Qty	%	Amount	
A	WATER SUPPLY PIPING											
1	CPVC Pipes conforming to ASTM D-2846, SDR-11 grade and CPVC solvent weld fittings like elbows, tees, couplers, brass threaded adaptors, insert ring etc. suitable for (domestic and flushing) cold applications rated, concealed piping within wall / floor including jointing with fittings using solvent cement, brass threaded end fittings for making connection to fixtures. The work shall also include chasing the walls with machine wherever required for concealed piping and making good the same after laying of pipes & necessary pressure testing and Chasing finishing shall be done with 1:1 cement mixed mortar, restore the same original condition for internal and shaft piping, including necessary hot deep galvanised supports vertical / horizontal, as per direction of Site incharge direction. [The rate shall include supply of S.S.screws and nut bolts etc.chasing in walls done by machine] (For Domestic and Flushing water-Toilet internal) (Pipe shall be tested with 1.5 times working pressure as covered in specifications)	R.mt	100	925	92,500	100	90%	83,250	100.6	100%	93,092	
1.1	20 mm Dia	R.mt	30	1,020	30,600	30	90%	27,540	36.51	100%	37,240	
1.2	25 mm Dia	R.mt	10	1,250	12,500	10	90%	11,250	4.7	100%	5,875	
1.3	32mm Dia	R.mt	5	1,550	7,750	5	90%	6,975	0	100%	-	
1.4	40mm Dia	R.mt	2	1,700	3,400	2	90%	3,060	0	100%	-	
2	Providing & Fixing of gun metal heavy Ball Valves-PN-16 (approved makes as covered in specification) screwed type for water system of the following diameters. Valve shall have with unions.											
2.1	20mm Dia	Nos.	4	3,150	12,600	4	90%	11,340	0		-	
2.2	25mm Dia	Nos.										
2.3	32mm Dia	Nos.		3,850					3	100%	11,550	
2.4	40mm Dia	Nos.										
3	Providing, fixing, testing and commissioning Electromagnetic flow meter-flow (30 GPM-1.89 LPS) including providing & fixing matching with required accessories 16Kgs/Sq.cm). - Contractor to check existing make in BILA airport and provide that.											
3.1	25 mm Dia incoming line	Nos.										
3.2	32 mm Dia incoming line	Nos.		1,55,000					1	100%	1,55,000	
3.3	40 mm Dia incoming line	Nos.	1	1,55,000	1,55,000	1	40%	62,000	0		-	
4	Supply, installation,testing & commissioning of Storage Type Electric Hot Water Generator of mentioned capacity, suitable for 3 KG/cm2 pressure, Wall Mounted / Floor standing type, with Auto Shut-off Thermostat, along with isolation Valves, Air Release valve, SS flexible connections and all other std accessories											
4.1	5 L Capacity- Gyeser	Nos.	2	18,000	36,000	2	40%	14,400	2	100%	36,000	

Item No.	Description	Unit	Qty/Total	Rate	Amount	Qty	%	Amount	Qty	%	Amount
4.2	25 L Capacity- Boiler	Nos.	-	33,000	-	-	-	-	1	100%	33,000
4.3	35 L Capacity- For shower	Nos.	-	-	-	-	-	-	-	-	-
5	Supply, installation, testing & commissioning of Stiebel Type Electric Hot Water Generator of mentioned capacity, suitable for 3 KG/cm2 pressure, Wall Mounted / Floor standing type, with Auto Shut-off Thermostat, along with isolation Valves, Air Release valve, SS flexible connections and all other std accessories (Optional in pantry)										
5.1	3.5kw in pantry- optional	Nos.	RO								
5.2	8kw	Nos.	RO								
5.3	13kw-3ph- Subject to load permits	Nos.	RO								
	Note- Geyser order shall be placed as per site feasibility. Electrical geyser or Gas geyser to be checked at site prior to order.										
6	SITC of Eco smart RO-200 with all required accessories . Contractor has to co-ordinate with PM prior to order for capacity type & specification	Nos	1								
7	SITC of Eco smart RO-50 with all required accessories . Contractor has to co-ordinate with PM prior to order for capacity type & specification	Nos	1								
8	SITC of ACO grease trap -model Lipumobil S-Capacity with all required accessories	Nos	2								
A	SUB TOTAL OF A										
B	DRAINAGE										
1	Providing & Fixing spun C.I.hubless Pipes as per IS 3989 / 1729 (As per ISO 6594/As per IS 15905) to correct grade length and alignment including cutting pipes to correct lengths joining as specified by manufacturer including required h M.S.brackets, clamps, testing, painting the pipes with three coats of bitumatic paint complete as per specifications for the following diameters including fittings such as tees, bends, single junction, double junction etc.										
1.1	40mm Dia	R.mt									
1.2	50mm Dia	R.mt									
1.3	65mm Dia	R.mt									
1.4	75mm Dia	R.mt	30	2,250	67,500	30	90%	60,750	16	100%	35,741
1.5	100 mm Dia	R.mt		2,850					17	100%	47,638
1.6	150 mm Dia	R.mt									
2	Providing & fixing P.V.C waste pipes as per IS:4985-2000 in correct grade,length & alignment in Solvent Cement joints including cutting the pipes to correct length, jointing with solvent cement joints;fixing with M.S heavy brackets/clamps testing, including cutting holes in R.C.C walls/floors making good the same etc all complete including plain fittings such as bends, tees etc. of the following diameters (basin to FT in toilet internal)										

Item No.	Description	Unit	Qty/Total	Rate	Amount	Qty	%	Amount	Qty	%	Amount
1.1	40mm Dia	R.mt	6	1,075	6,450	6	90%	5,805	0		-
1.2	50mm Dia	R.mt	6	1,150	6,900	6	90%	6,210	0		-
1.3	65mm Dia	R.mt	4	1,450	5,800	4	90%	5,220	0		-
3	Supply, Install CI floor-Traps including fixing with lead caulked joints and rings, c/w Circular SS 304 Grating, (Subject to site requirement	Nos.	4	5,500	22,000	4	90%	19,800	14	100%	77,000
4	Supply, Install CI Multi Traps including fixing with lead caulked joints and rings, c/w Circular SS 304 Grating,	Nos.	8	5,700	45,600	8	90%	41,040	0		-
5	Supply, Install urinal Traps including fixing with necessary consumables with Circular SS Grating with anti cockroach jali Suitable for 75mm Dia outlet	Nos.	RO								
6	Supply, Install PVC P-Traps including required accessories	Nos.	-								
	SUB TOTAL OF B										
C	SANITARY AND C. P. FITTINGS & FIXTURES										
	Supply, installation, testing and commissioning of sanitary and C.P. fittings										
1	P/F Angle Cock.	Nos.	24	2,950	70,800	24	40%	28,320	26	100%	76,700
2	P/F Sink Mixer, Swinging Casted Spout. (Wall Mounted Model)	Nos.		6,300							
3	P/F Sink Mixer, Swinging Casted Spout. (Table Mounted Model) Make- Jaquar	Nos.		6,500					4	100%	26,000
4	P/F Long Neck Bib Cock with wall Flange.	Nos.		3,400					2	100%	6,800
5	Providing & Fixing Bib Cock chrome finish with wall Flange.	Nos.		3,100							
6	P/F Fixed Sink Cock.	Nos.	9	4,150	37,350	9	40%	14,940	3	100%	12,450
7	Foot Paddle Operated Faucet. (Below Hand Wash)	Nos.									
8	Providing & fixing 32mm CP finished Bottle Trap with wall flanges.	Nos.	9	2,750	24,750	9	40%	9,900	0		-
9	Providing Waste Coupling 32mm size full thread waste coupling to be use.	Nos.	9	950	8,550	9	40%	3,420	0		-
10	Providing & Fixing Ball Valve ISI mark. (For Inlet)										
10.1	15mm dia	Nos.									
10.2	20mm dia	Nos.	10								
10.3	25mm dia	Nos.	4								
10.4	32mm dia	Nos.	2								
10.5	40mm dia	Nos.									

NON TENDERING ITEM

NT ITEM SL NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Grease Trap installation with all necessary fittings	NOS	3	9500	28,500
2	Pre Rinse installation	NOS	1	2500	2,500
TOTAL					31,000

