

Bangalore International Airport Limited

BB-PHE BOQ

Item No.	Description	Shah ent			RA-1			RA-2			FINAL BILL		
		Unit	Qty	Rate	Amount	QTY	%	AMOUNT	QTY	%	AMOUNT	%	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 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)												
1.1	20 mm Dia	R.mt	80	925	74,000	80	80%	59,200	80	95%	70,300	108.25	1,00,131.25
1.2	25 mm Dia	R.mt	30	1,020	30,600	30	80%	24,480	30	95%	29,070	40.35	41,157.00
1.3	32mm Dia	R.mt	20	1,250	25,000	20	80%	20,000	20	95%	23,750	14.21	17,762.50
1.4	40mm Dia	R.mt	5	1,550	7,750	5	80%	6,200	5	95%	7,363		
1.5	50mm Dia	R.mt	5	1,750	8,750	5	80%	7,000	5	95%	8,313	6	10,500.00
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.	8	3,150	25,200	8	80%	20,160	8	95%	23,940	0	100%
2.2	25mm Dia	Nos.	1	3,210	3,210	1	80%	2,568	1	95%	3,050	0	100%
2.3	32mm Dia	Nos.	1	3,850	3,850	1	80%	3,080	1	95%	3,658	4	15,400.00
2.4	40mm Dia	Nos.	2	4,500	9,000	2	80%	7,200	2	95%	8,550	0	100%
3	Providing, fixing, testing and commissioning Electromagnetic flow meter-flow (30 GPM-L.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.	0									0	
3.2	32 mm Dia incoming line	Nos.	1	155000	1,55,000	1	40%	62,000	1	95%	1,47,250	1	100%
3.3	40 mm Dia incoming line	Nos.	0									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	10 L Capacity-	Nos.	1	22,500	22,500	1	40%	9,000	1	95%	21,375	1	100%
4.2	20 L Capacity	Nos.	2	27,500	55,000	2	40%	22,000	2	95%	52,250	2	100%
4.3	35 L Capacity- For shower	Nos.	RO						RO			RO	

Item No.	Description	Unit	Qty	Rate	Amount	QTY	%	AMOUNT	QTY	%	AMOUNT	QTY	%	AMOUNT
5	Supply, installation, testing & commissioning of Stuebel Type Electric Hot Water Generator of mentioned capacity, suitable for 3 KG/cm ² 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).	Nos.												
5.1	3.5kw in pantry- optional	RO												
5.2	8kw	RO												
5.3	13kw-3ph- Subject to load permits Note- Geysers shall be placed as per site feasibility. Electrical geyser or Gas geyser to be checked at site prior to proceed.	RO												
6	SITC of Eco smart RO-50 with all required accessories	Nos	2				95%		2	95%		2		
7	SITC of ACO grease trap -model Lipumobil-S -Capacity -32 lit (0.5 LPS) with all required accessories	Nos	2				95%		2	95%		2		
A	SUB TOTAL OF A													
B	DRAINAGE													
1	Providing & Fixing spun C.I.hubless Pipes as per IS 3989 / 1729 (As per IS 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	RO					95%		RO	95%		RO		
1.3	65mm Dia	RO					95%		RO	95%		RO		
1.4	75mm Dia	R.mt	18	2,250	40,500	18	90%	36,450	18	95%	38,475	18	100%	49,398.75
1.5	100 mm Dia	R.mt	25	2,850	71,250	25	90%	64,125	25	95%	67,688	25	100%	57,356.25
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)													
1.1	40mm Dia	R.mt	5	1,075	5,375	5	90%	4,838	5	95%	5,106	5	100%	
1.2	50mm Dia	R.mt	5	1,125	5,625	5	90%	5,063	5	95%	5,344	5	100%	
1.3	65mm Dia	R.mt										0		
3	Supply, Install CI P-Traps including fixing with lead caulked joints and rings, c/w Circular SS 304 Grating, (Subject to site requirement)	Nos.	2	5,500	11,000	2	80%	8,800	2	95%	10,450	2	100%	
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	80%	36,480	8	95%	43,320	8	100%	
5	Supply, Install CI floor Traps including fixing with lead caulked joints and rings, c/w Circular.SS 304 Grating,	Nos.	7	5,800	40,600	7	80%	32,480	7	95%	38,570	7	100%	75,400.00

a	Pre Rinse installation	NOS	2	3,500	7,000
b	Grease Trap installation providing UPVC Pipe 40mm of 1.8meter	NOS	1	12,000	12,000
c	Grease Trap installation providing UPVC Pipe 40mm of 1.3meter	NOS	1	10,000	10,000

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1	WATER METER KRANTI FIXING	NOS	1	1500	1,500.00
2	FIXING ANGLE COCK	NOS	2	400	800.00
3	BALL VALVE FIXING	NOS	2	500	1,000.00
4	CHAMBER WATER PROOFING WORK	NOS	6	2500	15,000.00
5	FLOORING CUTTING	RFT	11	200	2,200.00

Irish

Total



49,500.00