| INTERNATIONAL CIP | |
|-----------------------|--|
| LOUNGE_JAI T1-PHE &FF | |

JHE + FR

| ! | | | | | | | | |
|---------|---|------|----------|----------|----------------|---------|-------|-------------|
| SI No. | Description | Unit | BOର Qty. | BOO Rate | BOO Amount | | RA-2 | |
| Part II | PHE & FF | | | | , and a second | NT RATE | QTY | KA-Z AMOUNT |
| B | WATER SUPPLY | | | | | | | |
| | Providing and fixing CBVC (Chlorington Balty Carlot) | | | | | | | |
| н | Providing and fixing CPVC (Chlorinated Poly Vinyl Chloride) water supply pipes with pipe as per CTS SDR 11 (operating pressure - 7 Bar @ 82 Deg C and 28 Bar @ 23 Deg C) for pipes from 1/2 Inch to 2 Inch. Schedule 40 Pipe to be used from 2-1/2 Inch to 6 Inch. Pipes shall be joined using solvent welded CPVC fittings i.e. Tees, Elbows, Couplers, Unions, Reducers, brushings etc. including transition fittings (connection between CPVC & metal pipe/GI) i.e. Brass Adaptors (both Male & Female threaded) conforming to ASTM D-2846. ASTM F441 with only CPVC solvent cement conforming to ASTM F-493. | | | | · | | | |
| 0.0.7:0 | Cost shall be inclusive of (a)Making maximum of 7.5 x 7.5 cm chasing in wall and floors for the pipe, making good the same by using 1:1 cement mortar over the wire mesh and providing protection to embedded pipes and fittings (in wall chase) by wrapping two layers of | | | | | | _ | |
| | embedded pipes and fittings (in wall chase) by wrapping two layers of 400 micron polythene sheet including proper overlaps on joints complete as required or (b) Fixing/supporting the pipes (& fittings) at wall/ceiling level supported by galvanized clamps, hangers etc, as per specification. Exposed pipes to be painted of legends with direction arrow. GI pipe sleeves suitable higher size shall be provided wherever the pipes are crossing the fire rated walls / floors slab and sealing the sleeves with glass wool in between and fire sealant compound at either end all as per Project Manager's / Consultant requirement. All termination points for installation of faucets shall have brass termination fittings. Installation shall be to as per Technical Manual of manufacturer of pipes & fittings. | | | | | | | |
| | 15 mm dia | RM | 30 | 384.16 | 11,524.80 | | 1400 | 6050.52 |
| | 20 mm dia | RM | 20 | 432.18 | 8,643.60 | | 3.00 | 71 |
| c) 2 | 25 mm dia | RM | 10 | 504.21 | 5,042.10 | | 3.00 | |
| | 32 mm dia | RM | R/o | 550 | | | 21.00 | 00 11500.00 |
| 2 te | Providing & fixing full way lever operated forged brass ball valve of brass body with forged brass hard chromeplated steel ball tested to a pressure not less than 15 Kg / sqcm with threaded / flanged joints complete with nuts, bolts, gaskets, washers etc. | | | | | | | |
| | | | | | | | | - |

| Witten | _ | | | | | | | | | | |
|---|---|----------|----------|--|---|---|---|----------|----------|----------|----------|
| | , L | C | | 4 | T | a) | ω | | | | |
| Providing GI pipe sleeves of suitable higher size wherever pipes crossing a fire rated wall / floor slab and sealing of space around pipe and pipe sleeve with glass wool in between and fire proof sealent at either end to the satisfaction of the Project Manager / Consultants and making good the same after pipes have been duly laid and | Providing, Supply, installation,testing and commissioning of UPVC Soil, Waste & Vent system conforming to IS: 13592 - Type B and UPVC fittings (moulded as well as fabricated) like bends, tees, Y-tees, crosses, boss connections, access pieces, saddle pieces, cleanouts, adaptors for connections to other materials, plugs, reducers, cowls, offSet and other specials. Jointing shall be done with pushfit EPDM ring jointing technique in general. Solvent cement joints may be provided for fittings and specials which are not manufactured with pushfit rubber joints. Pipes may be laid / fixed in sunken floors, under slung from ceiling. The pipes laid in sunken floor shall be encased with 75 mm thick cement concrete (1:2:4) all around. The installation shall be complete in all respects including cutting chases / holes in walls, slabs and making good the same as per specifications. | DRAINAGE | Total | Supply Installation Testing and Commissioning of Horizontal Wall mounted storage type 25 litres Electric water Heater (Geyser) as per specifications. Inclduing supply and fixing of Anchor fastners, nut bolts, supply of accessories, modification/rectification of civil works such as plumbing, wiring etc.if any required to install the Geyser at desired location. | | 25 mm thick mineral wool insulation (20 mm dia) | supplying, laying/ fixing, testing and commissioning of following thickness resin bonded fiber glass pipe section insulation having density 80 kg/cum or mineral wool (non combustible) having density of 144 kg/ cu m duly covered with a layer of 120 gm/sqm polythene sheet (vapour barrier) on existing pipe and finally applying 0.63mm aluminium sheet cladding complete with type3, grade 1 roofing feltstrip(as per IS:1322 as amended up to date) at joints etc. as per specifications and as required. | | mm dia | dia | |
| | | | | No. | | RM | | NOS. | Nos. | Nos. | Nos. |
| | | | | < <u>-</u> | | 25 | | - | - | 5 | - |
| | | | | 14406 | | 192.08 | | 2881.2 | 2401 | 1920 8 | 1440 6 |
| | | 00,745 | 20 141 | 14,406.00 | | 4,802.00 | | 2,881.20 | 2,401.00 | 9,604.00 | 1,440.60 |
| | | | | | | Ju Ju | | 1.00 | 1.00 | | |
| | | 38801.35 | | 14406.00 | | | 17/2 | 2881.2 | 2401.00 | | - |
| | | ŭ | <u>i</u> | - III | | <u> </u> | 77 /3 | S. S. | 3 | | |

| | 7 | T | | T | | 1 | | |
|--|-------------------|----------|---|---------------------------------|---|--------------|------------------------|----------|
| | ס | | ω | a) | 2 | | 1 | |
| Supply, installation, testing and commissioning of following sizes of pipes conforming to IS-1239 with all accessories like all fittings (all pipes & fittings upto 50mm dia threaded shall be the threaded Ductile Iron (ASTM A536) or Cast Iron (ASTM A126) or Forged Steel fittings and for pipes above 50 mm dia MS fitting with welded joint shall be used) including tees, elbows, reducers, union, flanges, rubber gaskets, GI nuts bolts, washer including supporting/fixing the pipe on wall /ceiling with clamps, hangers (using anchor fastners) as per specification, Including synthetic enamel paint of approved shade over a coat of primer. Prior to application of primer the surface should be cleaned for any dirt, rusts, rough substance etc. Including painting of legends both direction arrow as per the approval of the Project Manager | FIRE FIGHTING | lotai | Providing and fixing clean out/floor clean out plug consist of CI bend & GI socket heavy class with cap & key for opening male threaded cap etc. including lead caulked to CI pipes complete in all respects as per drawing/ sample approved by Engineer -in -Charge FCO (floor clean out plug shall be flushed with floor finish).: 100 mm dia. and Matching with Item no.31 or as per Architure approvals. | 110 mm inlet and 110 mm outlet. | Providing and fixing of UPVC Floor Traps formed out of bore 'P' trap with 50 mm water seal, setting in 1:2:4 mix cement concrete block or clamping to the wall or suspending with the ceiling including cutting and making good the walls and floors wherever required, With Heavy class SS grating with Cockroach proof SS strainer of approved design including setting in floor with cement motor to match with floor finish as per architect requirement suitable for waster F.D. & F.T. | JV TITIT VIA | 75 mm dia | o mm dia |
| | 9 (20) 11 1 16 16 | | Nos. | Nos. | | RM | RM RM | |
| | | | 2 | 4 | | 32 | 20 | |
| | | | 3841.6 | 1440.6 | | 624.26 | 960.4 768.32 | |
| | | 67,496 | 7,683.20 | 5,762.40 | | 19,976.32 | 19,208.00 15.366.40 | |
| | | | | | | | | |
| | | |) P | 4.00 | | 0.90 | 30.00 | |
| | | 40807.52 | 7683.20 | 5762.40 | | 4008.92 | 28812.00 | |
| | | | E JA | | | 2/2 | in the | 1 2 |

| QTY | BOU RATE | BOO AMONIAL |

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| | | | | | | 314 | | |
|--------------|------------|---|--------|------|--|-----------|----------------|--|
| | | pipe sleeve of suitable higher size shall be provided wherever the | | | TTT | | | |
| | \ | wool in between & fire sealent commound at either and all as nor | | | - | | | |
| | 1 | Project Manager's requirements including cutting holes and chases in | | | | | | |
| | | complete in all respects. All hangers designs to original conditions | | | | | | |
| <u></u> | | galvanized iron unless specified otherwise and the supply of the same | | | | | | |
| | | the galvanized support / hanger shall not be permitted. | | | | | | |
| € ΰ | | For Sprinkler system - MS `C' Heavy class pipe | | | | | | |
| 7, | a) | 25 mm dia | | 1 | | | 4.4 | |
| | ф) | 32 mm dia | 2 3 | 10 | 1344.56 | 82,834.50 | | Corys . |
| | c) | 40 mm dia | 2 2 | 10 2 | 1776 74 | 17 767 40 | 14790.16 | |
| ST | <u>d</u>) | 50 mm dia | RM | 10 | 2160.9 | 21 609 00 | 36.10 | 1 |
| $4p_{i}$ | е | 65 mm dia | R | 10 | 2737.14 | 27.371.40 | T | |
| | | 80 mm dia | RM | 10 | 3121.3 | 31,213.00 | | 3 |
| ος Ι | (6 | TOO LUM GIS | RM | 10 | 3601.5 | 36,015.00 | | + |
| 12. | | Supply, installation, testing and commissioning of brass quartzoid | | | | | | とところ |
| Dr. | 2 | sprinklers (UL approved) of 15 mm dia size, suitable for sustaining the pressure on the seat & water hammer affect. The type & | | | | | | |
| | | temperature rating shall be as follows : | | | | | | |
| | | Note: | | | | | | |
| 18 · | | i)All sprinkler shall be chrome finish / powder coated. | | | | | 0 | |
| · | | additional cost, as required by the Client, | | | | | | |
| | | | | | | | 11201 | |
| 100) LIGC | | Spray recessed (adjustable) rossette (68°C) sprinkler quick | Nos. | 28 | 960.4 | 26,891.20 | 26891.20 | |
| 7 | | I capoliac aprigin cross | | | 0 | | | |
| rove | | Spray recessed (adjustable) rossette (68°C) sprinkler quick | Nos. | 28 | 960.4 | 26,891.20 | 2) 28 26891.20 | |
| | | lesponse beliaelit (Fbe | | | | | | |
| | | Providing and fixing fully charged ABC powder type (Mono- Ammonium Phosphate - MAP 90) portable fire extinguishers | ė H | | | | | |
| | ω | conforming to IS:15683, fixed to wall with brackets complete with | | | | | | |
| | | included in this rate) | | | | | | 3. |
| ř | | Ospacity & Ko | No. | 2 | 7683.2 | 15,366.40 | 19300:40 | The state of the s |
| | | Capacity o reg. | | | | | 707 | F |
| | 4 | Providing and fixing CO2 type cylindrical shape fire extinguisher with fixing hangers, hose, brackets, screws to required size etc.complete fixing hangers, hose, brackets, screws to required size etc.complete | | | | | 400 | ^{2 (V} = 82) |
| | | as per 15:10003.2000 wall lives | | | Position of the Control of the Contr | | | |
| | | | | | | | | |

| No. 2 9604 Nos. 1 12005 Nos. 0 0 | \ | | - | | 5,/1,6/6 | | | | Total | |
|--|---------|-------|---|---------|-----------|-------|---|------|--|---|
| No. 2 9604 19,208.00 2 14000.00 Nos. 0 7000.00 2 13000.00 | 25 | 27000 | 2 | | | | 0 | Nos. | Providing & fixing of PRESSURE GUAGE in FF line as required by EIC | 2 |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 266943.18 3,37,341 266943.18 | 00.00 | 1300 | | 6500.00 | | | 0 | Nos. | 1'x1' SIZE | Α |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 2 12005.00 3,37,341 266943.18 | 0000 | 1400 | J | 00 0002 | | | | | requirement suitable for waster r.D. & 1.1. | |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 266943.18 3,37,341 266943.18 | | | | | | | | | 1100r With cement motor to match with hoor illustrate per architect | |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 266943.18 3,37,341 266943.18 | | | | | | 2000 | | | Cockroach proof SS strainer of approved design including setting in | |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 266943.18 | | | | | | | | | walls and floors wherever required, With Heavy class SS grating with | _ |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 2 12005.00 3,37,341 266943.18 | | | | | | | | | suspending with the ceiling including cutting and making good the | |
| Iterfly valve (PN 16) with flanges, nut bolts, pad locking arrangement complete required. Nos. 1 12005 12,005.00 1 12005 266943.18 Iterfly valve (PN 16) with flanges, nut bolts, pad locking arrangement complete required. Nos. 1 12005 12,005.00 1 12005.00 1 12005.00 266943.18 | | | | | | | | | setting in 1:2:4 mix cement concrete block or clamping to the wall or | |
| tterfly valve (PN 16) with flanges, nut bolts, pad locking arrangement complete required. No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 12,005.00 12005.00 266943.18 | | | | | | | | | Providing and fixing of clean out chambers with 50 mm water seal, | |
| Total No. 2 9604 19,208.00 2 19208.00 No. 2 9604 19,208.00 2 19208.00 A 19208.00 19,208.00 2 19,208.00 2 19,208.00 2 19,208.00 2 19,208.00 2 19,208.00 2 10,208.00 2 | | | | | | | | | DRAINAGE | |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 2 12005.00 3,37,341 266943.18 | | | | | | | | | NON TENDERED ITEMS | |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 2 12005.00 | 3.18 | 26694 | | | 3,37,341 | | | | Total | |
| No. 2 9604 19,208.00 2 19208.00 Nos. 1 12005 12,005.00 | | | | 1 | | | | | | |
| No. 2 9604 19,208.00 2 19208.00 | 05.00 | 120 | 4 | 1 | 12,005.00 | 12005 | 1 | Nos. | 80 mm dia | |
| No. 2 9604 19,208.00 2 19208.00 | | | 5 | 3) | | | | | | |
| No. 2 9604 19,208.00 2 19208.00 | 1= | 7 | _ | | | | | | gaskets and necessary pad locking arrangement complete required. | 1 |
| No. 2 9604 19,208.00 2 19208.00 | - 6 | | | | | | | | Providing & fixing of butterfly valve (PN 16) with flanges, nut bolts, | Y |
| No. 2 9604 19,208.00 2 | 10 | | | | | | | | | |
| | 3208.00 | 19 | 2 | 1 | 19,208.00 | 9604 | 2 | No. | City 4.5 Kg. | |

Halling.

JAIPUR AIRPORT (PHE & FF M.B SHEET)

| 10 | 80 | |
|-----------|----------|--|
| | 1 | Providing and trixing CPVC (Chlorinated Poly Vinyl Chloride) water supply pipes with pipe as per CTs SDR 11 (operating pressure - 7 Bar @ 82 Deg C and 28 Bar @ 23 Deg C) to pipes from 1/2 Inch to 2 Inch. Schedule 40 Pipe to be used from 2-1/2 Inch to 6 Inch. Fibes shall be joined using solvent welded CPVC fittings i.e. Tees, Elbows, Couplers, Unions, Reducers, brushings etc. including transition fittings (connection between CPVC & metal pipe/GI) i.e. Brass Adaptors (both Male & Fernale threaded) conforming to ASTM D-2846, ASTM F441 with only CPVC solvent cement conforming to ASTM D-2846. |
| | | Cost shall be inclusive of (a)Making maximum of 7.5 x 7.5 cm chasing in wall and floors for the pipe, making good the same by using 1:1 cement mortar over the wire mesh and providing protection to embedded pipes and fittings (in wall chase) by wrapping two layers of 400 micron polythene sheet including proper overlaps on joints complete as required or (b) Fixing/supporting the pipes (& fittings) at wall/ceiling level supported by galvanized clamps, hangers etc, as per specification. Exposed pipes to be painted of legends with direction arrow. GI pipe sleeves suitable higher size shall be provided wherever the pipes are crossing the fire rated walls / floors slab and scaling the sleeves with glass wool in between and fire sealant compound at either end all as per Project Manager's / Consultant requirement. All termination points for installation of faucets shall have brass termination fittings. Installation shall be to as per Technical Manual of manufacturer of pipes & fittings. |
| | b) | 20 mm dia Oven wall hot and cold pipe |
| | | Oven wall for equipment pipe connection Basin wall hot and cold pipe Sub Total |
| 1 1 1 1 1 | | 25 mm dia Oven, Basin and eqiupment connection Sub Total |
| 1 1 1 1 | ا ا ه | 32 mm dia Main pipe line connection Sub Total |
| | 0 | DRAINAGE Providing, Supply, installation, testing and commissioning of UPVC Soil, Waste & Providing, Supply, installation, testing and commissioning of UPVC Soil, Waste & Vent system conforming to IS: 13592 - Type B and UPVC fittings (moulded as well Vent system conforming to IS: 13592 - Type B and UPVC fittings (moulded as well vent system conformations, access pieces, as fabricated) like bends, tees, Y-tees, crosses, boss connections, access pieces, as fabricated) like bends, tees, Y-tees, crosses, boss connections, access pieces, as fabricated and the pieces of the provided and the pieces of |
| | - | reducers, cowls, offset and other specials. Jointing shall be done with pushfit EPDM reducers, cowls, offset and other specials. Jointing shall be provided for ring jointing technique in general. Solvent cement joints may be provided for fittings and specials which are not manufactured with pushfit rubber joints. Pipes fittings and specials which are not manufactured with pushfit rubber joints. Pipes laid in may be laid / fixed in sunken floors, under slung from ceiling. The pipes laid in sunken floor shall be encased with 75 mm thick cement concrete (1:2:4) all sunken floor shall be complete in all respects including cutting chases / |
| | | holes in walls, slabs and mainly good the size wherever pipes crossing a fire Providing GI pipe sleeves of suitable higher size wherever pipes crossing a fire Providing GI pipe sleeve with glass rated wall / floor slab and sealing of space around pipe and pipe sleeve with glass rated wall / floor slab and sealing of space around pipe and pipe sleeve with glass wool in between and fire proof sealent at either end to the satisfaction of the wool in between and fire proof sealent at either end to the satisfaction of the project Manager / Consultants and making good the same after pipes have been project Manager / Consultants and making good the same after pipes have been duly laid and testing complete. |
| | | |

110 mm dia

12/12/1

| | | | | | Sprinkler Line I ken DO | |
|---------------|-------|----|------|------|---|----|
| | | - | | | Sub Total | |
| The Wallet | 200 | 10 | | 2.00 | Providing and fixing clean out/floor clean out plug consist of CI bend & GI socket heavy class with cap & key for opening male threaded cap etc. including lead caulked to CI pipes complete in all respects as per drawing/ sample approved by Engineer -in -Charge FCO (floor clean out plug shall be flushed with floor finish).: 100 mm dia. and Matching with Item no.31 or as per Architure approvals. | ω |
| | | 2 | | | | |
| | 4.00 | * | | 4.00 | 110 mm inlet and 110 mm outlet. Sub Total | a) |
| | | | | | | |
| | | | | | water seal, setting in 1:2:4 mix cement concrete block or clamping to the wall or suspending with the ceiling including cutting and making good the walls and floors wherever required, With Heavy class SS grating with Cockroach proof SS strainer of approved design including setting in floor with cement motor to match with floor finish as per architect requirement suitable for waster F.D. & F.T. | 2 |
| | 6.00 | | | | | |
| 1 2000 | 6.00 | | 6,00 | 1.00 | Sub Total | |
| | 30.00 | | | | 75 mm dia | 0) |
| A Proposition | 30.00 | | 6.00 | 5.00 | Sub Total | \ |
| | | | | | to become the connection of | |

25mm dia line - 67:4 mtp (0) 6 min 194 32 mn dia line - 25 mtp (0) 6 min 194 50 mm dia line - 15 mtp (0) 6 min 194 So mm dia line - 15 mtp (0) 6 min 194 So mm dia line - 25 mtp (0) 6 min 194 So mm dia line - 25 mtp (0) 6 min 194 So mm dia line - 25 mtp (0) 6 min 194 So mm dia line - 25 mtp (0) 6 min 194 So mm dia line - 25 mtp (0) 6 min 194 So mm dia line - 25 mtp (0) 6 min 194 So mm dia line - 25 mtp (0) 6 min 194 So mm dia line - 15 mtp (0) 6 min 194 So min 194 So

1 K2/4/11