

### Proposed extension of Goa Bagayatdar Valpoi - Goa

#### BOQ

| Sr. No. | Description  | Unit           | Qty.   | Rate | Amount |
|---------|--|----------------|--------|------|--------|
| 1       | Demolishing laterite stone masonry in cement mortar including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead.   | m <sup>3</sup> | 4.2    |      |        |
| 2       | Dismantling the tile work in floors laid in cement including stacking of materials within 50 meters..  | m <sup>2</sup> | 48     |      |        |
| 3       | Dismantle of Existing GI sheet roofing   | m <sup>2</sup> | 58     |      |        |
| 4       | Earthwork in excavation in trenches for all leads & lifts in all type of strata comprising of any type of materials either in full or part as the case may be adopting any method/methods as may be convenient as permitted excluding blasting in all conditions such as dry, moist, foul, saturated, submerged, etc., including dressing of sides, planking & strutting, timbering ,ramming of bottom ,pumping and bailing out water ,barricading danger lighting guarding, breaking of asphalt and concrete as directed by Engineer for all leads & lifts etc. complete  | m <sup>3</sup> | 13.608 |      |        |
| 5       | Refilling the pipeline/foundation trenches plinth sides, foundation etc. with available excavated earth in layers not exceeding 20 cm depth consolidating each layer ramming and watering lead upto 50 M and all lifts and disposal of surplus earth as directed by Engineer in Charge.  | m <sup>3</sup> | 6.084  |      |        |
| 6       | Rubble packing with hard laterite stone under floors including watering ramming and consolidating etc. in pipeline trenches and other foundations complete.  | m <sup>3</sup> | 13.344 |      |        |
| 7       | Providing & laying cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded granitic or basaltic stone aggregate. 40 mm. nominal size) including cost of centering, shuttering and finishing (all works upto plinth level)   | m <sup>3</sup> | 6.672  |      |        |
| 8       | Laterite masonry in neatly dressed stones of size as specified in cm. 1 : 4 (1 cement : 4 coarse sand) in foundation upto plinth level   | m <sup>3</sup> | 14.4   |      |        |
| 9       | Laterite masonry in neatly dressed stones of size as specified in cm. 1 : 4 (1 cement : 4 coarse sand) in superstructure   | m <sup>3</sup> | 7.3    |      |        |
| 10      | Providing and laying in position machine batched concrete (BMC), machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to the site of laying but excluding the cost of centering , shuttering, finishing and reinforcement including admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing the strength and durability as per the direction of the Engineer-in-charge. M25 grade of reinforced cement concrete by using 410 kg of cement per cu.m. of concrete. All works upto floor V level. (Design Mix by Ready mixed concrete ( RMC) may be used at no extra cost.) | m <sup>3</sup> | 3.2805 |      |        |
| 11      | Providing TMT steel reinforcement bars of (SAIL, TATA. VIZAG, JSW Steel Ltd.) (Confirming to IS 1786 of 1986) for RCC work (conforming to I.S. 1786 of 1986) including bending, binding & placing in position in all the floors along with the factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in the structural member.  | Kgs.           | 262.44 |      |        |

|    |  |                |      |  |  |
|----|--|----------------|------|--|--|
| 12 | Precast wall panels of approved brand(Everest Rapicon, Birla Aerocon) having thickness of 75mm, including bottom and top alluminium channel of width 77mm, fixing using approved chemical, also including filling of gaps with cement based putty and mesh for smooth finish, all complete.  | m <sup>2</sup> | 80   |  |  |
| 13 | Providing, fabricating (where necessary), erecting and fixing in position colour coated galvalume sheet in cladding 0.45 mm TCT of TATA make including all necessary hooks, bolts, self-tapping screws for fixing of cladding sheet to the cladding runner, use of sealing tape at overlaps & sidelaps, stitch bolting at sidelaps, EPDM washers, all accessories, as directed, all labour & material, tools & plant, complete (overlaps, sidelaps are not payable).   | m <sup>2</sup> | 158  |  |  |
| 14 | Steel work in built up tubular (round, square or rectangular hollow tubes etc.) (Square Hollow Section (SHS) IS4923 /Rectangular Hollow Section (RHS) IS4923/ Circular Hollow Section (CHS) IS1161 closed Structural Steel of approved make (Min Yeild Stress 310 Mpa)) trusses etc., including cutting, hoisting, fixing in position and including welding and bolted with special shaped washers etc. including 2 coats of epoxy primer & 2 coats of epoxy paint.  | Kgs.           | 1550 |  |  |
| 15 | Providing & fixing in position Galvalume flashings, cappings, ridges upto 600mm/610mm girth and min 3.00m in length (cold Rolled Steel 550 MPa yeild Stress ASTM A 446 Grade E) with hot-dip metallic coating of aluminium zinc alloy(AZ 150 galvalume) (150 gms/sqm total of both sides with Al-Zn Composition= 55% & 43.5% resp. & 1.5% Si conforming to ASTM 792/ AS 1397) 0.45 mm base metal thickness and 0.50mm total coated thickness, factory cut at all heights for roof, side & gable cladding complete in all respects with AZ 150 GSM SMP color Coated (20mic exterior coat of Silicon Modified Polyester paint system over 5 mic primer and 5 mic polyester back coat over 5 mic primer) incl. fixing to purlins with no 12x14x55mm mechanically galvanised hex head self drilling screws of the best quality as per AS-3566 class 3-4 approved, which should be compatible to be used with sheets. with integral washers and EPDM seals etc. Silicon sealant non-hardening neutral cure type shall be applied at all end laps, complete as directed by Engineer-in-Charge. | Rmt.           | 23   |  |  |
| 16 | Cudappah stone slab machine cut flooring over 20mm(average)thick base laid over & jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing & polishing complete-25mm thick with base of cement mortar 1:4 (1cement : 4 coarse sand)   | m <sup>2</sup> | 60   |  |  |
| 17 | Providing and laying vitrified floor tiles of size 600X600mm of Johnson, Somany, Kajaria, and 10mm thick tiles in floor, treads of steps, landing on 25mm thick bed of cement mortar 1:3 and jointed with cement slurry complete.  | m <sup>2</sup> | 15.2 |  |  |
| 18 | Providing and laying heavy duty parking tiles floor tiles pavit brand, in floor, treads of steps, landing on 25mm thick bed of cement mortar 1:3 and jointed with cement slurry complete.  | m <sup>2</sup> | 72   |  |  |
| 19 | Providing, fabricating & installing G.I. welded mesh with square bars of 12X12mm spaced at 100mm c/c painted with 2 coats of epoxy primer & 2 coats of epoxy paint for all structural steel and 2 coats of epoxy paint to GI welded mesh complete as per drawing and as directed & instructed by Engineer / Owner.   | m <sup>2</sup> | 5.7  |  |  |

|    |   |                 |       |              |  |
|----|---|-----------------|-------|--------------|--|
| 20 | Supplying and fixing rolling shutters of approved make, made of 80 x 1.25 mm M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of 1.25mm thick for falling shutter stop cover and spring including 2 coats of epoxy primer & 2 coats of epoxy paint. | m <sup>2</sup>  | 15.75 |              |  |
| 21 | 12mm cement plaster 1:3 (1 cement : 3 fine sand) including cost of all labour, material, scaffolding etc complete.  | m <sup>2</sup>  | 42    |              |  |
| 22 | Providing and applying white cement based putty of average thickness 1.00mm of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete   | m <sup>2</sup>  | 22    |              |  |
| 23 | Painting three or more coats with acrylic exterior paint of approved brand and manufacture (such as weathershield, APEX) including applying one coat of cement primer and one coat of surface treatment etc. complete.  | m <sup>2</sup>  | 95.8  |              |  |
| 24 | Painting two or more coats with interior paint of approved brand and manufacture including applying one coat of cement primer and one coat of surface treatment etc. complete.  | m <sup>2</sup>  | 97.8  |              |  |
| 25 | Providing and fixing of PVC false ceiling with aluminium framing, all complete.   | ft <sup>2</sup> | 118.4 |              |  |
| 26 | Providing and fixing Square PVC Rain Water Gutter with clear depth up to 150 mm for roofs including fixtures like downcomer end stop and clamping, bolting, screwing etc complete as per direction of Engineer in charge.   | Rmt.            | 21    |              |  |
| 27 | Providing and fixing rigid PVC S.W.R. (soil, waste & rain water) drainage pipes of (Finolux, Supreme, Prince) including lubricant, clamps for fixing, scaffolding at required height etc. complete (single/double) socketed: 110 mm dia   | Rmt.            | 16.2  |              |  |
|    |   |                 |       | <b>Total</b> |  |

**Notes:**

1. Payment will be done in suitable installments including that of advance. Final payment will be made based on the final measurements of the actual work completed, and the contractor shall ensure all measurements are verified and agreed upon by the Goa Bagayatdar Engineer.
2. Arrangement of all materials, machines & equipments required for construction, loading and unloading of materials, equipment, and fabricated items shall be the responsibility of the contractor.
3. The contractor shall ensure the site is kept clean, and all debris generated during the work shall be removed and disposed of properly by the contractor at their own expense. The contractor shall handover the site after completion of the work, with thorough deep cleaning of the entire site.
4. Any separation or protection required to prevent dust, debris, or damage to adjoining shops or common passages shall be arranged and maintained by the contractor at their own expense.
5. Electricity will be provided at the site by the client, but the contractor shall ensure safe and efficient use of the same.
6. Upon completion of the work, a final inspection shall be conducted, and the contractor shall rectify any defects or deficiencies identified during the inspection.
7. The contractor shall immediately attend any breakages or defects that occur due to use of faulty materials or poor workmanship for a period of 1 year from the date of handover.
8. Any extra work not included in the BOQ shall be carried out at the market rate, and the rate must be submitted before starting the said work & any extra work which is included in the BOQ but has increased during execution shall be carried out at the same quoted rate.
9. The contractor shall maintain the existing flooring while carrying out the work; any damage to the flooring shall be rectified by the contractor at its own cost.