



Tender Details

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Tender ID: 218382	IFB/Tender Notice No.:HD-24/25	Description of Material/Name of Work: Construction of new godown in place of dismantled Godowns No. G8 to G16
ECV (INR):760525132.00	Last Date For Bid Submission: 03-10-2025 16:00	Tender Type/Tender Category :Open/WORKS
Location: Kachchh	Department: Deendayal Port Authority	Sub Department: Town Development Division

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BOQ

Item No.	Item Description	Qty	Unit
1	Providing and fixing of Self Supported Structure Less Roofing systems with proper overlapping and seaming between different sheets without making holes or preventing the overturning the roof by wind addition made up from Regular Modified Polyster Imported Color Coated Galvalume Cold Rolled Structural Steel Sheet Coils of superior quality structural steel. The works includes design, supply, & fabrication of self supported single span arch roof fabricated by mechanically seamed in Machines to profiles as per standard ASTM A792, Steel Sheet, Aluminum-Zinc Alloy Coated by Hot-Dip process. The work should be carried out by specialize agency as approved by Engineer in charge only. The rate of item is including fitting and fixing as per standard specification. (Only net area of sheet to be measures i.e. clear length without corrugation & curved/sloping width. No extra measurements/ payments shall be given for corrugation/profile & overlapping. The area of skyligh sheet/turbo ventilators will be deducted.) (A) For main roof of shed with c/c span Supporting beam up to 32 m. minimum thickness of sheet 1.60 mm BMT, 1.65 mm APT with tolerance of +/- 0.04 mm. Base metal width 912 mm, and profiled width of 625 mm +/-10mm.	76374.000	M2

Item No.	Item Description	Qty	Unit
2	Providing and fixing of hangers/clamps as per manufacturers specifications for laying of cables and hanging of bulbs/light fixtures etc. from Self Supported Systems Roofing	5016.000	Each
3	Providing and fixing of modules of 2 no of 24" dia Wind operated Aluminium Turbo Ventilators with single Transperant Skylight Sheet (minimum 2 mm thick) of 2ft width and 28ft length at required intervals in Self Supported Roofing Systems on center as per manufacturers specificaions	348.000	Each
4	Providing and fixing Structural Steel sliding- shutters/ heavy duty gates, made up with M.S. chennel, angles, flats, plates, bars etc. with necessary EN-18 or suitable steel wheel with S.S. Bearing & Shaft, handles & locking arrangement including required inserts to be grouted at the time of concrete as directed by engineer in charge. The Regular Modified Polyster Imported Color Coated Galvalume Cold Rolled 1.6 mm sheet to be fixed on the structural steel frame work by self driven screw as directed. Whole payment of the various materials like structural steel, wheels, S.S. bearing, shaft, galvalume sheet etc. will be paid in this item on the actual weighthment basis. No seperate payment for wheel. bearing, shaft, sheet will be paid.	113983.000	Kg.
5	Construction of granular sub - base by providing, laying, spreading and compacting CLOSE/ COARSE GRADED MATERIAL mixing at O.M.C spreading in uniform layers with motor grader on prepared surface and compacting with roller of required type and capacity to achieve the desired density including all labour, material , machinery complete as directed.(Mix in place method Grading III as per MORTH 5th edition (Including sattelment of ground)	42250.000	M3

Item No.	Item Description	Qty	Unit
6	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in- charge.	10995.000	M3
7	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer -in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	1461.000	M3
8	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	2922.000	M3
9	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (A) Lift up to 1.50 m.	28621.000	M3
B	Extra for excavating trenches for in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre).	11151.000	M3
10	Disposal of excavated stuff/demolished concrete etc. up to lead of 3.50 km by motor truck including loading, unloading and dressing at the disposal site as directed by engineer in charge.	60355.000	M3
11	Supplying and laying of Biaxial Geo-grid, made from virgin high density polypropylene, having aperture size of 65mmx 65mm and ultimate tensile strength of 30 kN/m with minimum junction efficiency of 95 percent & minimum radial stiffness of 350 kN/m (@0.5 percent strain. Only plan area to be measured and no extra payment to be given for overlaps.	81041.000	M2

Item No.	Item Description	Qty	Unit
12	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	41002.000	M3
13	Providing, laying, spreading 40 to 60 mm size crushed trap stone metal in uniform layers not exceeding 200mm including leveling, dressing, watering and compaction of each layer with power roller. The work includes filling the voids of metals by providing & spreading of river sand or stone dust of averag 50 mm thick over each layer of crushed stone metal layer. (No deduction for voids to be done)	42994.000	M3
14	Providing and laying in position cement concrete of mix 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including the cost of centering and shuttering, mixing in mechanical mixer, laying over prepared bed, levelling, dressing and compacting with required rammer as directed by engineer in charge - All work up to plinth level :	1801.000	M3
15	Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to 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 strength and durability as per direction of Engineer-in-charge. (A) All works upto floor V level for Raft, Plinth Beam, Column, Sill, Lintel, Chajja, Slab	15397.000	M3

Item No.	Item Description	Qty	Unit
16	"Providing and laying design mix reinforced cement concrete of M-30 grade, in Roads/Floors, using cement content as per design mix, using coarse sand and graded stone aggregate of 20 mm nominal size in appropriate proportions as per approved & specified design criteria, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture and polishing with mechanical trowel/ steel plate thali like tri-mix floor, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/expansion, construction & longitudinal joints (5 mm wide x 50 mm deep)by groove cutting machine, complete all as per direction of Engineer-in- charge (necessary reinforcement to be paid separately). (A) Reinforced Cement concrete manufactured in automatic batching plant (RMC plant) including transportation to site in transit mixer.	18324.000	M3
17	Providing and spreading metallic floor hardening compound of approved quality as per manufacturer's specification on cement concrete surface @ 3kg/m2 and polished the surface by mean of machine operated polisher in 2 to 3 stage polish after spreading the same on concreted surface.	73296.000	M2
18	Providing steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete. Thermo-Mechanically Treated bars of grade Fe- 500D or more. (A) Up to plinth level.	1749325.000	Kg.
B)	Above plinth level.	1111155.000	Kg.
19	Centering and shuttering including strutting, propping etc. and removal of form for all heights : (A) Foundations, footings, bases of columns, etc. for mass concrete	8478.000	M2
B)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	6742.000	M2
C)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	8423.000	M2
D)	Columns, Pillars, Piers, Abutments, Posts and Struts	20916.000	M2
E)	Suspended floors, roofs, landings, balconies and access platform	4552.000	M2
20	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) A) upto plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand)	2029.000	M3

Item No.	Item Description	Qty	Unit
21	Providing & laying cement concrete solid blocks 1:8:6 (machine made) confirming to relevant IS (Latest Edition) masonry 200mm thick set in cement mortar 1:6 including curing etc. complete as directed. A) In superstructure upto floor two level.	5216.000	M3
22	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. (A) 40 mm thick (average) with 20 mm nominal size stone aggregate.	2754.000	M2
23	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing (A) 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) up to all heights.	389.000	M3
24	Cement plaster of mix 1:3 (1 cement: 3 sand) with course sand, including finishing smooth, curing etc. complete for all heights. (A) 6mm thick	60890.000	M2
25	White washing with lime to give an even shade : New work (three or more coats)	39306.000	M2
26	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	21584.000	M2
27	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. (A) 110 mm diameter	510.000	M
28	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : (A) 150 mm dia. R.C.C. pipe	720.000	M
B)	300 mm dia. R.C.C. pipe	900.000	M

Item No.	Item Description	Qty	Unit
29	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	3402.000	M2
30	Lettering with black Japan/ Synthetic enamel/ floor enamel/ enamel paint of approved brand and manufacture as directed by engineering incharge.	14880.000	Per Letter Per Cm Height
31	Providing and fixing Galvalume sheet of 150 mm wide and 1.6 mm thick over expansion joint of two RCC Columns/Beams/Gutter/Wall etc. including drilling the holes and fixing necessary stainless steel screws etc. as directed by engineer in charge.	60.000	M

Notes

Subwork Name	Description	Period of Completion	Scope of Subwork
BOQ	As per tender	24.0	As per tender

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