

NDSR BOQ

**Name of works : Annual maintenance contract of civil works of stations and other various buildings of Line-1
(Dilshad Garden – Rithala Metro stations)**

S.NO	DESCRIPTION OF ITEMS	UNIT	QTY	Rate	Amount
1	providing and fixing false ceiling using Armstrong ceiling tiles conforming to BS-470 part 6 (1989) for fire propagation and meet the requirement for a class O material for both their decorative front and back surface ceiling tiles shall be bolt/triangular edge mineral fiber acoustic ceiling having noise reduction coefficient of 0.55 light reflectance of more than 80% thermal conductivity K=0.052 to 0.057% w/m and humidity resistance of 95% (Armstrong prima or equivalent) in size 600x600x15 mm. The edge of tiles laid on Armstrong stitched trilock F-24 exposed grid system with 24mm side T section flanges powder coated colour white. The 1200mm long cross T shall have double stitching. The suspension system shall comprise of main summer T shaped section made from 0.33mm thick G.I sheet and of size 24x38mm and 3.60m long spaced 1200mm centers and screwing fixed to the structure soffit by approved hanger at 1200mm maximum centers flush fitting 1200mm cross summer shall be T shaped with double stitching made from 0.25 mm thick G.I sheet and of size 24x3	Sqm	230		
2	Removing and refixing of inter locking tiles over 50mm over plain concreting (1:3:6) and sand cost of demolishing old PCC and lay on new PCC include (BOQ NO- DMRC/ISBT/13/011/2004	Sqm	2200		
3	Providing and fixing in position polysulphide sealant upto 50 x 25 thick in all locations including separation / expansion/seismic / movement joints and preparation of surfaces & edges , applying appropriate primer , backstop, bond preventive material/ tape, masking tapes, applying the sealant and tooling the same to correct shape and dimensions all as per drawings , specifications and manufacturer's recommendation & as directed	Rm	400		
4	Providing and fixing of precast concrete kerb stone of size 500x300x125mm using M-25 grade concrete by vibro compaction technology and joint less fibers glass moulds, so as to achieve shuttering finish on five faces (except the pouring face) and to be demoulded after minimum 12 hours. Each kerb stone shall have a cavity of size 115x95x40mm as per sample, for fixing fluorescent stickers when fixed will be facing traffic light, when fitted on left or right side of approaching traffic. The kerb stone shall be fixed in position with cement mortar 1:3 including the cost of florescent stickers, required centering, shuttering and finishing.	Rm	175		
5	Providing and fixing punched type concertina coil of 750mm diameter over the boundary wall for all lifts and lead with S and U clips etc, complete as per manufacturer specifications. Each coil to be spread to 5.4m	Coil	180		

6	Providing and fixing 10 mm dia stainless steel tower bolt. 200 mm long	Each	145		
7	Providing and fixing razor type barbed wire fencing above boundary wall	Rm	800		
8	Providing and fixing of aluminum handle for aluminum window shutter as per approved quality with required screws	Each	260		
9	Providing and fixing SS 304 assembly to fasten the stones etc, complete	No.s	1900		
10	Breaking of RCC with pneumatic hammer for demolishing pile heads and making holes in RCC wall of drain for drainage purpose	Hrs.	150		
11	Fixing of 6mm MS/GI nozzles including drilling holes and fixing of nozzle with cement and CICO no 3 Quick setting compound	No.s	95		
12	Providing and fixing of 75mm thick thermocole sheet of 24kg/cum density for expansion joints for RCC piers, pier caps, columns, beams and slabs including cutting placing in position with bitumastic adhesive as per the detailed drawing and the instruction of the Engineer	Sqm	40		
13	Supplying fabricating fitting and fixing GI sheet 18 SWG sheet tray fixing with dash fastener of 100x100mm with the help of supporting MS flat clamps arrest water leakage through paper joint in between deck slab and beam. Tray will rest on MS flat clamp of 50x4 mm and clamp will be fixed on beam by dash fastener. Tray will be made / fabricated by way of rivets. Nuts/bolts m-seal, and sealant thoroughly provided to make the joint of tray perfect water proof. Rate is inclusive of all tools and plants such as cutter, welding set, power hammer driller, drilling machine etc, scaffolding, transportation of material to site of work and rate also inclusive of all skilled and un-skilled labour. Work shall be carried out as per the direction of site engineer. Rate are inclusive of all lead, lift, ascent and descent etc, complete.	Sqm	30		
14	Providing and fixing 6 lever/pin cylinder mortise lock, latch set, complete with door strike, lever or knob handles, screws etc complete in stainless steel of approved manufacturers, for use on paneled/solid/ glazed doors etc, including all fixing and other accessories as required and as per drawings, specifications and as directed complete.	Set	42		
15	Providing and laying Flamed black granite tiles as per control sample, size 1200x600x30mm using approved thick bed adhesives as per specification M40/710 over minimum 65 mm thick trowel finished, bonded and un bonded concrete screed in 1:4(1cement :4 total aggregate) using 43grade cement, cement water reducing admixture as per IS9103-1999, in leveling course laid tp proper slopes in all public and back of house areas				
(a)	Honed finished,30mm thick, for public area floor.	Sqm	50		
(b)	Shot blast finish,30mm thick, in tread including grooves as per drawings (with adhesive, without screed)	Sqm	22		
(c)	Shot blast finish , 20 mm thick in riser (with adhesive, with out screed	Sqm	23		

16	Providing and installing approved silicon sealant for 75mm wide expansion joint including necessary back up road.	Rm	98		
17	Providing and fixing CP brass towel ring of size 300mm dia fixed to wooden cleats with CP brass screws.	Each	18		
18	Providing and fixing CP automatic liquid soap dispenser, complete in all respects, including cutting and making good the walls wherever required	Each	26		
19	Providing and fixing 15mm CP brass angle valve with CP copper connecting pipe 375mm long with nuts , washer and CP brass flange complete, including cutting and making good the wall wherever required	Each	35		
20	Providing and fixing CP toilet paper holder, with aluminum roller complete including cutting and making good the walls wherever required.	Each	36		
21	Providing and fixing of CI butterfly valves for pressure rating of 150 psi with lever/T-key actuator complete with locking arrangements as per instructions.(C&R make) (Flanges to be paid separately)				
(a)	200mm dia	Each	6		
(b)	150mm dia	Each	6		
22	Providing and fixing CI flanged horizontal/ vertical type non return valve including nuts ,bolts 3mm thick rubber insertions complete to IS:5312 Part-I swing type, class PN1				
(a)	150mm dia	Each	5		
23	Supply of DJB Water tanker of capacity 10000Ltrs	Each	18		
24(a)	Providing and fixing CP bottle trap for wash basin and sink 32mm single piece molded with height of 270mm, effective length of tail pipe 260mm from the center of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260 gms	Each	14		
(b)	Providing and fixing CP bottle trap For washbasin and sink 40mm single piece molded with height of 270mm, effective length of tail pipe 260mm from the center of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 263 gms	Each	12		
25	Supply, delivery and installation of yellow coloured vitrified tactile as per controlled sample in 300X300 X12mm thick size with 1.5mm joints, pigmented grout to match the colour and shade of tactile tile. Tiles shall be laid over a bed mortar of 1:3 (1 cement : 3 course sand) average 45 mm thick and installation to be carefully coordinate with adjacent flooring modules i.e tiles shall be coplanar with the nearby floor with uniform joints. All tactile guide path shall be in strict accordance to relevant drawings for barrier free movement by blinds.	Each	420		

26	Providing and laying yellow visibility vitrified tile as per control sample of size 200 X 100 X 8mm thick at platform level using approved thick bed adhesive over minimum 65mm thick trowel finished bonded concrete screed in 1:4 (1 cement : 4 total aggregate sand and 10 mm single sized aggregate) using 43 grade cement water reducing admixture as per IS 9103-1999 in leveling course laid to proper slope all complete as per drawin.	Sqm	95		
27	Repairing / strengthing of existing raised false floor consisting of pedestals, and floor panels. By providing extra support like the provision of stringers made of 25mm MS aquare pipe etc. all complete as per the direction of the engineer in charge. The rate are inkusive of each indivisual materials, labours, machining/ equipments all lead lift transportation, painting and priming of stringers with anti corrosive / fire redardant paints etc complete for panels will be properly re-fixed by maintaining its shape size level, alignments free from any undulation etc complete.	Sqm	105		
28	Aluminum windows/ Glazing/ doors : Providing, fabricating and installing in position, pure polyester powder coated aluminum doors, windows, skylights, partitions, grilles, glazing, louvers with extruded aluminum sections and profiles complete in all respects in straight or faceted profile including arched angular in elevation including sub frames in tubular aluminum (having mill finish), outer frames, architraves, beading, wool pile, 6mm thick tinted toughened float glass / 6mm thick clear toughened float glass / obscured glass, gaskets, sealant etc all complete as shown in the approved drawing. The aluminum sections shall have a minimum weight as shown in the drawings. However nothing extra shall be payable to the contractor for using larger / heavier section than those given, if found inadequate.				
A	Windows / glazings				
(a)	Openable sliding / side hung / top hung windows	Sqm	2.5		
(b)	Fixed glazing	Sqm	2.5		
29	Providing and fixing 2mm thick vinyl flooring and skirting tiles / sheets as manufactured by ARMSTORNG or approved equivalent of approved colour and make with rubber base adhesive as per manufacture's specifications including with light wooden roller, drying the base surface and finally polishing / cleaning and laid surface all as directed in one more colours to desired pattern including any rectification, filling, leveling to give true level surface all as per specifications complete.	Sqm	100		
30	P/F leak proof fire retardant and UV resistant escalator covering at all heights of Laxan compact clear 5mm thick sheet of GE plastics of approved make conforming to IS 14443-1987, the rate includes the cost of fasteners silicon sealant EPDM gasket and all other ancillary works as required for completion of work as per drawings and direction of Engineer in charge.	Sqm	10		

31	Removal of old expansion joint treatment. Providing and fixing BITUFLEX close cel foam twice for overlapping of close cell foam joints, filling of POLYDEE-41, highly flexible sealant with excellent bonding in gap up to 75mm wide and 50mm deep. Including making a side edges with POLYDEE GROUTFAST non curing mortar and applying POLYDEE liquid membrane on the entire area of expansion joint mfg by M/s Greensboro Polychem Pvt. Ltd and fixing of 6mm thick and 150mm wide aluminimum sheet one with sliding screw complete.	Rm	10		
32	Providing and fixing in position frameless glass partition walls made out of 12mm thick toughened clear float glass held in position by wall connecting.				
A)	With openable door	Sqm	2.5		
B)	Without openable door	Sqm	2.5		
Total cost of NDSR Items Rs.					