

**SCHEDULE OF ITEM RATE AND QUANTITIES (BOQ)**

**Name of Work:**

J&K Rail Link Project – Dharam – Qazigund Section. Construction of Station Building and GRP/RPF's Office Buildings at Banihal yard (Package – SB-1)

<b>Tender Cost / Estimated Cost</b>	: Rs.	<b>320.00</b>	<b>Lacs</b>		
<b>Earnest Money</b>	: Rs.	<b>3.10</b>	<b>Lacs</b>		
<b>Completion Period</b>	:	<b>15 Months including 9 months for Phase-I works</b>			

**SCHEDULE - 'A' (DSR - CIVIL WORKS)**

S.No	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	Ref. To DSR - 2007
<b>SUB HEAD NO 1 : EARTHWORK</b>						
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed					
1.1	All kinds of soil.	cum	2230	101.85	227125.50	2.6.1
1.2	Ordinary rock	cum	240	152.60	36624.00	2.7.1
2	Earth work in excavation mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed , with in a lead of 50m					
2.1	All kinds of soil.	cum	180	103.40	18612.00	2.8.1
2.2	Ordinary rock	cum	20	162.65	3253.00	2.9.1
3	Excavating trenches of required width for pipes, cables etc including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.50m including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50m.					
	All kinds of soil					
(i)	Pipes ,cables etc not exceeding 80 mm dia.	meter	50	70.45	3522.50	2.10.1.1
(ii)	Pipes cables etc exceeding 80 mm dia, but not exceeding 300 mm dia.	meter	30	115.05	3451.50	2.10.1.2
	Ordinary rock					
(i)	Pipes ,cables etc not exceeding 80 mm dia.	meter	50	100.20	5010.00	2.13.1.1
(ii)	Pipes cables etc exceeding 80 mm dia, but not exceeding 300 mm dia.	meter	30	248.10	7443.00	2.13.1.2
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	cum	988	45.70	45151.60	2.25
5	Supplying and filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	cum	175	301.50	52762.50	Similar as 2.27

<b>SUB HEAD NO 2 : CONCRETE WORK</b>						
1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.					
1.1	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	7	3257.45	22802.15	4.1.3
1.2	1 : 4 : 8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	125	2449.00	306125.00	4.1.8
1.3	1:5:10 (1 Cement : 5 Coarse Sand : 10 Graded Stone Aggregate 40 mm nominal size)	Cum	125	2237.75	279718.75	4.1.10
2	Providing and laying damp- proof course 40mm thick with cement concrete 1:2:4 (cement :2 coarse sand :4 graded stone aggregate 12.5mm nominal size)	Sqm	120	144.15	17298.00	4.10
3	Applying a coat of residual petroleum bitumen of penetration 80/100of approved quality using 1.7kg per sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	120	58.60	7032.00	4.13
<b>SUB HEAD NO 3 : REINFORCED CEMENT</b>						
1	Providing and laying in position machine batched, machine mixed, machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work 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 as per IS 9103 to acceelerate, retard settings of concrete, improve workiability without impiring strength & durability as per direction of Engineer-in-charge. M-25 grade reinforced cement concrete by using 410 kg. of cement per cum of concrete. All work up to floor V level.	cum	1032	4147.40	4280116.80	5.33
2	Centring and shuttering including strutting, propping etc. and removal of form for:					
2.1	Foundations, footings, bases of columns etc. fometerass concrete.	sqm	180	119.25	21465.00	5.9.1
2.2	Suspended floors, roofs, landings, balconies and access platform.	sqm	675	187.35	126461.25	5.9.3
2.3	Lintels, Beams, plinth beams, girders, bressumers and cantilevers.	sqm	300	162.65	48795.00	5.9.5 (Similar)
2.4	Edges of slabs and breaks in floors & walls, coping on RRM, etc. under 20 cms wide	meter	60	61.10	3666.00	5.9.16.1 (Similar)
2.5	Shelves ( Cast-in-situ )	Sqm	75	187.35	14051.25	5.9.4
2.6	Columns, Pillars, Piers, Abutments, Posts and Sturts	Sqm	820	238.40	195488.00	5.9.6
2.7	Staircases, (excluding landings) except spiral-staircases	Sqm	30	204.00	6120.00	5.9.7
2.8	Add or deduct for providing richer or leanemeterixes respectively at all floor levels.					
2.8.1	Providing M-30 grade concrete by using 420kg of cement per cum of concrete instead of M-25 grade B.M.C/ R.M.C..	cum	1032	54.55	56295.60	5.34.1

2.9	Providing and filling in position bitumen mix filler of Proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubicmetre of coarse sand for expansion joints.	per cm depth per cm width per 100m	30	98.85	2965.50	5.27
2.10.	Providing and fixing in position 12mm thick bitumen impregnated fibre board conforming to IS: 1838 including cost of primer, sealing compound in expansion joints.	per cm depth per 100m	30	334.55	10036.50	5.28
2.11	Providing and fixing sheet covering over expansion joints with iron screws as per design to match the colour / shade of wall treatment.					
2.11.1	Aluminium fluted strips 3.15mm thick.					
2.11.1.1	150 mm wide.	meter	30	276.80		5.29.2.1
<b>SUB HEAD NO 4: STONE WORK</b>						
1	Random Rubble Masonary (first sort) 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 20mm niminal size) at plinth level with:					
1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	80	1838.90	147112.00	7.1.1
<b>SUB HEAD NO 5 : WOOD WORK AND JOINERY-I</b>						
1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position:					
1.1	Second class teak/deodar wood	Cum	11	52090.00	572990.00	similar as 9.1.1
2	Providing and fixing 35 mm thick wire gauge shutters using galvanized M.S wire gauze of average width of aperture 1.4 mm with wire of dia 0.63 mm for doors, windows and clerestory windows including ISI marked stainless steel but hinges with necessary screws					
2.1	Second class deodar wood	Sqm	200	1632.70	326540.00	similar as 9.28.1
3	Providing and fixing glazed shutters for doors, windows and clerestory windows using 10 kg / sqm ( 4 mm thick ) float glass panes including black enamelled ISI marked M.S butt hinges with necessary screws.					
3.1	35 mm thick Second class deodar wood	Sqm	200	1718.3	343660.00	similar as 9.9.1.1
4	Providing and fixing of Fiber Glass Reinforced plastic (FRP) Door Frames of three legged of cross-section 90mm x 45mm having single rebate of 32mm x 15mm to receive shutter of 30mm thickness .The laminate doorframe molded with fire resistant grade unsaturated polyester resin and chopped mat .Doorframe laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiberglass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	meter	90	398.4	35856.00	9.121
5	Providing and fixing to existing door frames.					

5.1	30mm thick fiberglass reinforced plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF) / Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856 : 2000, complete as per direction of Engineer-in-charge	sqm	50	2362	118100.00	9.122.2
6	Providing and fixing factory made UPVC door frame made of UPVC extruded section having an overall dimension as below (tolerance $\pm 1$ mm) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$ , corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size $19 \times 19\text{mm}$ and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge					
6.1	Extruded section profile size $42 \times 50\text{mm}$ .	metre	50	146.8	7340.00	9.117.2
7	Providing and fixing to existing door frames.					
7.1	24 mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size $59 \times 24\text{ mm}$ and wall thickness $2\text{ mm} \pm 0.2\text{ mm}$ with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanized/plastic brackets of size $75 \times 220\text{ mm}$ having wall thickness $1.0\text{ mm}$ and stainless steel screws. The styles of the shutter reinforced by inserting galvanized M.S. tube of size $20 \times 20\text{ mm}$ and $1\text{ mm} \pm 0.1\text{ mm}$ wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size $100 \times 24\text{ mm}$ and $2\text{ mm} \pm 0.2\text{ mm}$ wall thickness fixed to the shutter styles by means of plastic/galvanized M.S. 'U' cleats. The shutter frame filled with a UPVC multi-hambered single panel of size not less than $620\text{ mm}$ , having overall thickness of $20\text{ mm}$ and $1\text{ mm} \pm 0.1\text{ mm}$ wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally $6\text{ mm}$ galvanized M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	sqm.	16	2190.5	35048.00	9.118.1

8	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately) :					
8.1	For fixed portion					
8.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	160	290.45	46472.00	21.1.1.1
9	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).					
9.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	220	310.45	68299.00	21.1.2.1
10	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item) :					
10.1	With float glass panes of 5.50 mm thickness	sqm	100	673.55	67355.00	21.3.2
11	Providing and fixing ISI marked flush door shutters non decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces.					
11.1	35mm thick including stainless steel butt hinges with necessary screws.	sqm	107	929.95	99504.65	9.21.1
11.2	Extra for providing liping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters ( over all area of door shutter to be measured )	sqm	107	284.55	30446.85	9.23
<b>Sub Head NO 6 :Flooring</b>						
1	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1;4 (1 cement: 4 coarse sand)					
1.1	25mm thick		540	694.4	374976.00	11.26.1

2	Kota stone slab 25mm thick in risers of steps, skirting, dado and pillars laid on 12 mm thick cement mortar 1:3 (1Cement:3 Coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing.	sqm	550	676.75	372,212.50	11.27
3	Providing and fixing 18mm thick gang saw cut mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1cement: 4coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.					
4.1	Granite of any colour and shed					
4.1.1	Area of slab upto 0.5 sqm	sqm	10	2480.2	24802.00	8.2.2.1
4.2	Extra for providing opening of required size and shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/ granite/kotastone/stone work including necessary holes for pillars taps etc. including rubbing and polishing of cut edges etc. complete.	Each	4	151	604.00	Similar to 8.5
4.3	Extra for fixing marble/ granite stone over and above corresponding basic item. In facia and drops of width upto 150mm with epoxy resin based (Araldite or equivalent) adhesive including cleaning etc. complete.	meter	10	106.8	1068.00	8.4
4.4	Extra for providing edge moulding to 18mm thick marble stone counters, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by the Engineer-in-Charge.					
4.4.1	Granite work	meter	10	97.6	976.00	8.3.2
5	Providing & fixing 1st quality ceramic glazed wall tiles conforming to IS 15622 ( thickness to specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:3 (1cement :3coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment to matching shade complete.	sqm	295	556.60	164197.00	11.36
6	Providing and laying Ceramic glazed floor tiles 300*300mm (Non slippery) (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in clours such as white, Ivory,Grey,Fume,Red Brown, laid ton 20mm thick Cement Mortar 1:4 (1 cement : 4 Coase sand) including pointing the joints with white cement and matching pigment etc. complete.	sqm	130	598.65	77824.50	11.37

7	Providing and fixing 10mm thick acid and or alkali resistant tiles of approved make and colour using acid and or alkali resisting mortar bedding and joints filled with acid and or alkali resisting cement as per IS: 4457 complete as per direction of the Engineer-in-Charge.					
7.1	In flooring on a bed of 10mm thick mortar 1:4 (1Acid proof cement: 4coarse sand). Acid and alkali resistant tiles.	sqm	15	873	13095.00	11.21.1.1
7.2	In dado/ skirting on 12mm thick mortar 1:4 (1Acid proof cement: 4coarse sand). Acid or alkali resistant tiles.	Sqm	20	909.15	18183.00	11.21.2.1
8	62 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardenemeterix : 2 graded stone aggregate 6mm nominal size) by volume. Hardening compound is mixed @ 2 litre per 50kg of cement or as pemeteranufactures specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	sqm	20	318.65	6373.00	11.5
9	40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powdermeterix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete					
9.1	Medium shade pigment with 50% white cement and 50% ordinary cement	Sqm	450	392.2	176490.00	11.10.3
10	40 mm thick Cement concrete flooring 1: 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.	sqm	390	192.95	75250.50	11.3.1
10.1	10 cm high and 18 mm thick Cement plaster skirting (upto 30 cm height) with cement mortar 1 : 3 ( 1 cement : 3 coarse sand ) finished with a floating coat of neat cement.	sqm	120	168.5	20220.00	11.6.1
11	Providing and fixing 40 mm wide and 6 mm thick glass strips in joints of cement concrete floor.	metre	2000	17.6	35200.00	11.13
<b>SUB HEAD NO 7 : FINISHING</b>						
1	Providing 12 mm thick cement plaster of mix 1:6 (1 cement : 6 Fine sand)	Sqm	1500	67.65	101475.00	13.1.2
2	Providng 15 mm thick cement plaster on rough side of single or half brick wall of mix 1:6 ( 1 cement : 6 fine sand)	Sqm	2200	78.55	172810.00	13.2.2
3	Providing 6 mm thick cement plaster 1:3 (1 cement : 3 medium sand) to the exposed surface of R.C.C work	Sqm	1600	85.55	136880.00	Similar to 13.17

4	Providing White washing with lime to give an even shade:					
4.1	New work ( three ometereore coats)	Sqm	1900	6.75	12825.00	13.37.1
4.2	Colour washing of any shade to give an even shade :					
4.2.1	New work (two ometereore coats) with a base coat of white washing with lime	sqm	1450	9.3	13485.00	similar as 13.39.1
5	Providing Distemping with dry distemper of approved brand and manufacture (two ometereore coats) and of required shade on new work. Over and including priming coat of whiting to give an even shade.	Sqm	1000	26.3	26300.00	13.40
6	Providing 20 mm thick plaster in cement mortar 1:4 (1 cement : 4 coarse sand) in sunken slab & septic tank etc	Sqm	160	118.25	18920.00	similar as 13.6.1
7	Finishing walls with water proofing cement paint "Snowcem-plus" of M/s Snowcem India Ltd. or equivalent of required shade.					
7.1	New work (two ometereore coats applied @3.84kg/10 Sqm)	sqm	250	30.80	7700.00	13.44.1
8	Applying priming coat With ready mixed pink or grey primer of approved brand and manufacture on wood work ( Hard and Soft wood )	sqm	550	16.55	9102.50	13.50.1
9	Providing and Applying priming coat with ready mixed Zinc chromate yellow primer of approved brand and manufacture on steel galvanised iron/steel works.	Sqm	1600	12.65	20240.00	13.50.3
10	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:					
10.1	Two ometereore coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	sqm	550	51.30	28215.00	13.62.1
11	12 mm cement plaster finished with a floating coat of neat cement of mix :					
11.1	1:4 (1 cement: 4 fine sand)	sqm	100	97.90	9790.00	13.7.2
12	Extra for providing and mixing water proofing compound in 20 mm thick plaster in cement mortar 1:4 in proportion recommended by manufacruer in sunken slab & Septic tank.	Per bag of 50 Kg cement used in the mix	45	28.85	1298.25	similar as 13.21
<b>SUB HEAD NO 8 : MISCELLANEOUS BUILDING</b>						
1	50 mms thick plinth protection of cement concrete 1 : 3 : 6 ( 1cement : 3 coarse sand : 6 graded stone aggregate 20 mms nominal size) over 75 mm bed of dry brick ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including	Sqm	215	222.65	47869.75	4.17
2	Brick edging 7 cm wide 11.4 cm deep to plinth protection with bricks of class designation 75 including grouting with cement mortar 1 : 4 ( 1 cement : 4 fine sand )	R.M.	270	16.25	4387.50	6.44
3	Reinforced cement concrete work in platform and shelves excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 ( 1 Cement : 2 Coarse sand : 4 Graded Stone Aggregate 20 mm nominal size) etc.	Cum	4	3359.60	13438.40	Similar to 5.1.3
<b>SUB HEAD NO 9 : SANITARY INSTALLATIONS -I</b>						

1	Providing and fixing white vitreous china Orissa pattern water closet squatting pan ( Indian type W. C. pan ) with 100 mm sand cast iron P or S trap, 10 litre low level P.V.C. flushing cistern (of approved make) with fittings, C.I./M.S. brackets, 32 mm					
1.1	Orissa pattern W.C. pan of size 580 x 440 mm with integral type foot rests flush pipe and overflow arrangement	each	11	2304.65	25351.15	17.1.1
2	Providing and fixing white vitreous china pedestal type water closet ( European type W. C. ) with seat and lid, 10 litre low level . flushing cistern (of approved make) with fittings, C.I./M.S. brackets, 40 mm dia flush bend with fittings and clamps ,	each	15	3282.95	49244.25	17.3.1
3	Providing and fixing white vitreous china wash basin with C.I. Brackets, 15 mm C. P. brass pillar taps, Kingston/ Gem/ Parko, 32 mm CP brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the walls wherever					
3.1	White vitreous china wash basin size 550x400mm with a pair of 15mm C.P. brass pillar taps.	each	18	1176.10	21169.80	17.7.3
3.2	White Vitreous China Angle back wash basin size 400x400 mm with single 15 mm C.P. brass pillar tap.	each	4	925.25		17.7.6
4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.					
4.1	One urinal basin with 5litre white P.V.C. automatic flushing cistern .	Each	8	2018.70	16149.60	17.4.1
5	Providing and fixing 600 mms x 450 mms bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete.	each	14	493.65	6911.10	17.31
6	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality colour and make (Prayag or equivalent).					
6.1	600mm long towel rail with total length of 645mm width 78mm and effective height of 88mm, weighing not less than 190 gms.	Each	14	329.50	4613.00	17.73.2
7	Providing lead caulked joints to sand cast iron / centrifugally cast (spun) iron pipes and fittings of diameter					
7.1	100 mm	each	76	126.50	9614.00	17.58.1
7.2	75 mm	each	76	107.80	8192.80	17.58.2
8	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2 (1cement: 2 fine sand) in SCI/ CI pipes					
8.1	75mm dia pipe	each	16	25.30	404.80	17.36.1
8.2	100 mm dia pipe	each	16	29.80	476.80	17.36.2

<b>SUBHEAD NO. 10 : WATER SUPPLY-I</b>					
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1	Providing and placing on terrace polythylene water storage tank with ISI: 12701 marked of approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. The capacity of each tank shall be 500 litres or as specified by the Engineer-in-charge.	Per lit.	10000	5.25	52500.00	18.48
<b>SUBHEAD NO. 11 : DRAINAGE</b>						
1	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1(1 cement :1 fine sand) including testing of joints etc. complete.					
1.1	200 mm dia metre	meter	70	247.15	17300.50	19.1.3
2	Providing and laying cement concrete 1 : 5 : 10 ( 1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) upto haunches of S.W. pipes including bed concrete as per standard design:					
2.1	200 mm diameter S. W. pipe	meter	70	472.15	33050.50	19.2.3
3	Providing and Fixing square-mouth S.W. gully trap grade 'A' complete with C.I. Grating brick masonry chamber with bricks of class designation 75 and water tight C.I. Cover with frame of 300x300 mm size(inside)the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:					
3.1.1	With F.P.S. bricks class designation 75	Each	11	935.15	10286.65	19.4.1.1
4	Constructing brick masonry manhole with 75 class designation bricks in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix ( 1 cement :1 coarse sand:4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1 cement :4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 ( 1 cement :3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 ( 1 cement :1 coarse sand:4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design.					

4.1	Inside size 90x80 cm and 45 cm deep including C.I. Cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)					
4.1.1	With F.P.S. bricks	Each	12	5383.7	64604.40	19.7.1.1
5	Making soak pit 2.50m diameter and 3.00m deep with 0.45cm x 45cm dry brick honey comb shaft with bricks of class designation 75 and SW draun pipe 100mm diameter, 1.80m long complete as per standard design					
5.1	With FPS bricks	each	4	9938.65	39,754.60	19.32.1
<b>SUB HEAD NO. 12 : Water Proofing</b>						
1	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of : (i) 1st course of applying cement slurry @ 4.4 Kg/Sqm mixed with water proofing compound 'Impermo' of Snowcem or equivalent conforming to IS 2645 in recommended proportions. (ii) 2nd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion. (iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 Kg. per Sqm of area. (iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to Each other with bitumen @ 1.7 Kg/Sqm.)	Sqm	90.00	272.5	24525.00	22.3
<b>SUB HEAD NO. 13 : BRICKWORKS</b>						
1	Brick work with bricks of class designation 75 in foundation and plinth.					
1.1	Cement mortar 1 : 6 ( 1 cement : 6 coarse sand )	cum	45	2121.75	95478.75	6.1.2
1.2	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	20	2293.40	45868.00	6.1.1
2	Providing F.P.S brick work with bricks of class designation 75 in steps on waist slab of stair vase in cement mortar 1:4 ( 1 Cement : 4 Coarse Sand)	Cum	8	2529.05	20232.40	Similar to 6.4.1
3	Brick work with FPS bricks of class designation 75 in superstructure above plinth level upto floor five level in shapes and sizes in cement mortar 1:6 ( 1 cement : 6 coarse sand)	cum	525	2357.40	1237635.00	6.4.2
4	Half brick masonry with FPS bricks of class designation 75 in superstructure above plinth level upto floor five level cement mortar 1:4( 1 cement :4 coarse sand)	Sqm	130	302.80	39364.00	6.13.2
<b>SUB HEAD NO. 14 : ROAD WORKS</b>						
1	Providing & laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction and of approved size and design /shape laid in required colour and pattern over and including 50 mm thick compacted bed of course sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	300	345.45	103635.00	16.68
<b>Total of Schedule 'A'</b>					<b>11612685.90</b>	

<b>SCHEDULE - 'B' (DSR Steel items)</b>						
1.1	Structural steel work welded/riveted in built up sections, trusses and framed work including cutting, hoisting, fixing in position, rivetting/welding and applying a priming coat of approved steel primer and two or more coats of synthetic enamel paint approved brand and shade to give an even shade all complete with all contractor's, tools & plants, lead & lift, labour and materials etc as per specifications and as directed by Engineer-in-charge. or,	kg	26500	46.35	1228275.00	10.2
1.2	Structural steel work in single section fixed with connecting plate including cutting hoisting, fixing in position rivetting/welding and applying a priming coat of approved steel primer and two or more coats of synthetic enamel paint approved brand and shade to give an even shade all complete with all contractor's tools & plants, lead & lift, labour and materials etc as a complete job as per specifications and as directed by Engineer in-charge.	kg	3300	42.15	139095.00	10.1
	<b>Note</b> for item 1.1 and 1.2 above (1) The quoted percent above/below/at par as per the accepted rate will apply for any single section (DSR item no. 10.1 rate Rs. 42.15 per kg) or built-up sections (DSR item no. 10.2, rate Rs. 46.35 per kg) which means during execution total quantity of item 1.1 and 1.2 shall be considered as one unit. <u>During execution the quantity of one item may increase or decrease. However negotiation shall be held only if quantity of item 1.1 and 1.2 put together exceeds BOQ quantity + 50% of item 1.1 and 1.2 put together.</u> Till such time quantity of item 1.1 and 1.2 put together is within BOQ + 50%. The payment shall be made even for increased quantity as per rate applicable for item 1.1 or item 1.2 as the case may be.					
2	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and two or more coats of synthetic enamel paint of approved brand and shade using structural steel etc. as required with all contractors material, labour, transportation, lead & lift etc. complete including cost of incidental charges for successful completion of work as per specification and as directed by Engineer-in-charge at site.					
2.1	In gratings, frames, guard bar, ladders, railings, brackets, gates and similar works.	kg	1050	51.20	53760.00	Similar as 10.25.2

	<b>Note. For item no. 1.1, 1.2 &amp; 2 above, rates includes cost of applying two or more coats of synthetic enamel paint of approved brand and shade to give an even shade etc. The tenderer shall take note of this and quote their rates accordingly.</b>					
3	Providing, cutting, straightening, hooking, bending, placing and binding in position cold twisted reinforcement of TMT steel bars for RCC works or as temperature reinforcement wherever required as per approved drawings including binding wire and all lead & lift as a complete job as per specification and as per instructions of Engineer-in-charge.  NOTE - Payment for above shall be made only for quantity actually used as per approved drawing excluding all wastages and binding wire.	kg	154800	42.70	6609960.00	5.22.6
<b>Total of Schedule "B"</b>					<b>8031090.00</b>	
<b>SCHEDULE - 'C' (DSR- C.I, G.I, &amp; Other metal items)</b>						
<b>SUB HEAD NO. 1 : WOOD WORK AND JOINERY-II</b>						
1	Providing 40 x 5mm fit iron hold fast 40 cm long including fixing to frame with 10mm dia bolts, nuts and wooden plugs and embedding in cement concrete blocks 30 x 10 x 15 cm. 1:3:6 (1 cement : 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) complete with all Contractor's material, labour, tools and plants, lead and lift, as per approved detailed drawings, as per specifications and as directed by Engineer in-charge.	each	390	61.50	23985.00	9.53
2	Providing and fixing ISI marked M.S Powder coated sliding door bolts of size 250x16 mm with necessary screws etc complete.	Each	90	69.65	6268.50	Similar to 9.62.2
3	Providing and fixing ISI marked M.S Powder coated tower bolts of size 250x10 mm with necessary screws etc complete.	Each	88	33.9	2983.20	Similar to 9.63.1
4	Providing and fixing ISI marked M.S Powder coated tower bolts of size 150x10 mm with necessary screws etc complete.	Each	88	23.4	2059.20	9.63.3
5	Providing and fixing ISI marked M.S Powder coated tower bolts of size 100x10 mm with necessary screws etc complete.	Each	200	17.25	3450.00	9.63.4
6	Providing and fixing ISI marked M.S Powder coated handles of size 125 mm long with necessary screws etc complete.	Each	180	10.2	1836.00	9.66.1
7	Providing and fixing ISI marked M.S Powder coated handles of size 100mm long with necessary screws etc complete.	Each	240	7.75	1860.00	9.66.2
8	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (Anodic coating not less than Grade AC 10 as per IS : 1868) transparent or dyed to the required colour or shade with necessary screws etc complete.					
8.1	Single rubber stopper	Each	90	19.05	1714.50	9.101.1

9	Extra for providing frosted glass panes 10 kg/sqm (4 mm thick) instead of ordinary glass panes 10 kg per sqm ( 4 mm thick ) in doors, windows and clerestory windows shutters ( area of the openings for glass panes excluding portion inside the rebate shall be measured).	Sqm	45	10.45	470.25	9.12
10	Providing and fixing circular cast iron for ceiling fan clamps 140 mm internal diameter, 73 mm height, 5mm thick rim, bottom and top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding top lid shall be screwed into the cast iron box by means of 3.3 mm dia round headed screws, one lock at the corners, clamps shall be made of 12 mm dia M.S bar bent to shape as per standard design.	Each	70	81.20	5684.00	10.18
11	Providing and fixing powder coated M.S. Casement window stays (Straight peg type) of size 250 mm & of weight not less than 150 gms with necessary screws etc complete.	Each	220	69.3	15246.00	Similar to 9.86.2
<b>SUB HEAD NO 2 : MISCELLANEOUS BUILDING WORKS-II</b>						
1	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.					
1.1	With Stainless Steel cover plate	Each	8	1733.5	13868.00	21.4.1
2	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc. complete as per direction of Engineer - in - charge.					
2.1	Anodised ( AC 15) aluminium tubular handle bar	Each	16	433.75	6940.00	21.12.1
<b>SUB HEAD NO 3: SANITARY INSTALLATIONS-II</b>						
1	Providing and fixing soil, waste, and vent pipes :					
1.1	100mm-Centrifugally cast (spun) iron S&S pipe as per IS:3989.	meter	170	730.40	124168.00	17.35.1.2
1.2	75mm-Centrifugally cast (spun) iron S&S pipe.	meter	105	629.85	66134.25	17.35.2.2
2	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
2.1	100 mm					
2.1.1	Centrifugally cast (spun) iron S&S pipe.	each	16	291.00	4656.00	17.38.1.2
2.2	75 mm dia					
2.2.2	Centrifugally cast (spun) iron S&S pipe.	each	16	210.00	3360.00	17.38.2.1
3	Providing and fixing plain bend of required degree.					
3.1	100 mm					
3.1.1	Centrifugally cast (spun) iron S&S pipe.	each	12	236.40	2836.80	17.39.1.2
3.2	75 mm dia C. I. Pipe					
3.2.1	Centrifugally cast (spun) iron S&S pipe.	each	12	178.65	2143.80	17.39.2.2
4	Providing and fixing sand cast iron S&S terminal guard for 100 mms diameter C.I. pipes	each	10	194.60	1946.00	17.56.1.2
5	Providing and fixing sand cast iron S&S terminal guard for 75 mms diameter C.I. pipes	each	10	177.45	1774.50	17.56.2.2

6	Providing and fixing Centrifugally Cast (spun) Iron S&S trap of self cleansing design with sand cast iron screwed down or hinged grating without vent arm complete, including the cost of cutting and making good the walls and floor					
6.1	100 mm inlet and 75 mm outlet	each	36	375.90	13532.40	17.60.2.2
<b>SUBHEAD NO. 3 : WATER SUPPLY-II</b>						
1	Providing and fixing GI pipes complete with GI fittings and clamps, including cutting and making good the walls etc (internal work) exposed on wall .					
1.1	15 mm dia nominal bore	meter	60	105.85	6351.00	18.10.1
1.2	20 mm dia nominal bore	meter	120	133.85	16062.00	18.10.2
1.3	25 mm dia nominal bore	meter	180	179.65	32337.00	18.10.3
2	Providing and fixing unplasticised PVC connection pipe with brass unions 45 cm length					
2.1	15 mm nominal bore	Each	48	44.75	2148.00	18.21.2.1
3	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet with 150 mm diameter	Each	9	55.80	502.20	18.22.2
4	Painting GI pipes and fittings with white paint over ready mixed priming coat, both of approved quality for New work					
4.1	15 mm dia	meter	60	4.65	279.00	18.38.1
4.2	20 mm dia	meter	120	5.45	654.00	18.38.2
4.3	25 mm dia	meter	60	7.20	432.00	18.38.3
5	Painting G.I. Pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality					
5.1	15 mm dia	meter	0	2.60	0.00	18.40.1
5.2	20 mm dia	meter	0	3.05	0.00	18.40.2
5.3	25 mm dia	meter	120	3.90	468.00	18.40.3
6	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931					
6.1	15 mm dia nominal bore	Each	25	207.00	5175.00	18.49.1
7	Providing and fixing 15 mm nominal bore C.P. brass long body bib cock of approved quality conforming to IS standards and weight not less than 690 gms.	Each	5	253.95	1269.75	18.51.1
8	Providing and fixing 15 mm nominal bore C.P. brass angle valve for wash basin and WC cisterns of approved quality conforming to IS: 8931.	Each	48	347.65	16687.20	18.53.1
9	Providing and fixing 32 mm dia medium quality G.I. pipe to waste of sink and wash basin etc.	meter	44	226.10	9948.40	Similar to 18.10.4
10	Providing and fixing 40 mm dia medium quality G.I. pipe to waste of sink and wash basin etc.	meter	30	264.05	7921.50	Similar to 18.10.5
11	Providing and fixing gun metal gate valve Of 25mm dia with C.I wheel of approved quality ( Screwed End)	Each	12	285.50	3426.00	18.17.1
12	Providing and fixing G.I union in GI pipe including cutting and threading the pipe and making long screws etc. complete (New work)					
12.1	15 mm nominal bore	Each	14	75.90	1062.60	18.46.1
12.2	20 mm nominal bore	Each	20	96.80	1936.00	18.46.2
12.3	25 mm nominal bore	Each	14	107.25	1501.50	18.46.3
13	Providing and fixing C.P brass stop cock (concealed) of standard design and of approved make conforming to IS : 8931, 15 mm nominal bore	Each	6	262.55	1575.30	18.52.1
<b>SUB HEAD NO. 4 : OTHER WORKS</b>						

1	Providing and fixing M.S. round holding down bolts with nuts and washer plates complete with all Contractor's material, labour, tools and plants, lead and lift, as per approved detailed drawings, as per specifications and as directed by Engineer in-charge.	kg	3300	52.05	171765.00	10.19
2	Providing and fixing 20 mm diameter 16 gauge mild steel conduits pipe hanger rods duly nickle plated in cup boards fixed to walls by cutting holes and making good the same with cement mortar 1:3 ( 1 Cement : 3 Coarse sand) etc all complete as per drawing	Rm	70	65.00	4550.00	Similar to 9.47.1
4	Providing and fixing M.S. holder bat clamps of approved design to Sand Cast iron/ cast iron (spun) pipe embedded in and including cement concrete blocks 10 x 10x 10cm of 1:2:4 (1cement: 2coarse sand: 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.:					
4.1	For 100mm dia pipe	each	35	65.35	2287.25	17.37.1
4.2	For 75mm dia pipe	each	35	63.00	2205.00	17.37.2
7	Providing and fixing M.S. grills of required pattern in frames of windows etc with M.S. Flats, square or round bars etc all complete and fixed to opening/ wooden frames with rawl plugs screws etc.	kg	3338	64.4	214967.20	9.48.2
8	Supplying and fixing rolling shutters of approved make, made of required size 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 required thickness for rolling shutters.					
8.1	80x1.25mm M.S. laths with 1.25 mm thick top cover.	sqm	7	1208.45	8459.15	10.6.1
8.2	Providing and fixing ball bearing for rolling shutters.	each	4	356.50	1426.00	10.7
8.3	Extra for providing grilled rolling shutters manufactured out of 8 mm dia. M.S. bar instead of laths as per design approved by Engineer-in-charge.(area of grill to be measured).	sqm	7.00	214.90	1504.30	10.9

9	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members such as K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of other fittings except necessary hinges or pivots complete as per approved design (Sectional weight of only steel members shall be measured for payment without weight of glass & other fittings.	kg	600.00	178.90	107340.00	10.11
10	Extra for providing and fixing steel beading of approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.	metre	150.00	20.84	3126.00	10.12
11	Providing and fixing pressed steel door frames confirming to IS:4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:					10.14
11.1	Profile C	meter	150	271.65	40747.50	10.14.2
	<b>Total of Schedule 'C'</b>				<b>975030.25</b>	

<b>Schedule: "D" NS item</b>						
1	<p>Earth work in filling in embankment with contractor's own earth of approved quality obtained from approved quarry outside Rly limits including excavation, loading into contractor's vehicles, benching leading to site of embankment, unloading, spreading in layers, breaking clods, levelling, mechanical compaction, sectioning to profile and dressing of slopes and surfaces, bunding at top with all lead and lifts, labour, tools, plant daggelling etc. complete as per specifications for mechanical compaction and as directed by the Engineer-in-charge.</p> <p><b>NOTE:-</b>  1. The rates includes benching also.  2. Payment shall be made on cross sectional basis of compacted bank.  3. Compaction shall be done as per RDSO specifications.</p>	Cum	2000	135	270000.00	NS item
2	<p>Supplying and stacking of earth at site for preloading including banking excavated earth in layers not exceeding 30 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers and rolling every third and top-most layers with power roller of minimum 8 tonnes and dressing up, and disposal off the earth after preloading including all leads and lifts, loading, unloading, tools, plants, royalties, taxes, etc. complete as per specifications and as per direction of the Engineer-in-charge.</p> <p><b>Note:</b>  1. Payment shall be made on cross sectional basis of compacted earth as per instructions of Engineer-in-charge.  2. The earth after pre-loading shall be removed and put / disposed off as per the instructions of Engineer-in-charge. the rate shall include this.  3. The earth for pre-loading shall be kept for the duration as per the instructions of Engineer-in-charge.  4. Stage payment 75% of accepted rate shall be made after earth for pre-loading is put and balance 25% after pre-loading and disposal of earth.</p>	cum	3000	149.85	449550.00	NS item
3	<p>Providing and Fixing 10 mm nominal thickness "Chandigarh Tiles" on walls, set in 10 mm thick (nominal) 1 cement : 3 coarse sand mortar, joints finished with white cement and matching shade pigments, including all materials, labour, taxes, tools, plants, etc complete as per specifications and as per the directions of the Engineer-in-charge.</p>	sqm	1100	641.2	705320.00	NS item
<b>Total of Schedule 'D'</b>					<b>1424870.00</b>	

Schedule: "E" Other N S Items						
1	Providing & fixing TRACDEK/CRIL or equipment Hi Rib profiled sheeting 1000-1020 mm cover width 28.30mm high crests @ 250-255 mm c/c manufactured out of 0.50 mm TCT (Total Coated Thickness) Hi-Tensile SMP Gavelume steel. The sheets shall have wide pans with 3 nos stiffening ribs effective water shedding and special male/female ends with full return legs on sides laps for purlins support and anti-capillary flute in side lap. The sheets shall have a hot-dip metallic coating of Zinc and Aluminium (150gms/s.q.m. zinc/alum. Coating mass total on both sides. AZ-150 as per IS-1397) 550 mpa yeild stress. Providing silicon modified polyester coating of approved colour of total thickness of 35 microns comprising of 20 microns exterior coat of SMP over 5 micro polyester back coat over 5 micron primer coats on both surface including side and end lamp and using 8mm galvalume hex self drilling fasteners on each creatof sheet for connection with purlins and seam bolts at 300mm centres on all side and end laps, etc measured per unit of laid areas	Sqm	1550	654.9	1015095.00	NS item
	, including all contractor's materials, labour, taxes, tools, plants, etc complete and as per approved drawings, specifications and direction of the Engieer-in-charge.					
2	As per item 1 above but for plain 0.5mm total thickness SMP coated Gavelume steel of similameteraterial for gauge or suitable ridge, with all contractors labour, tools and plants, material, lead and lift complete as per specifications and as per the directions of Engineer in charge.	Sqm	132	532.8	70329.60	-do-
3	Providing & fixing decorative Eaves's boarding sheets at the sites of roofing to give an aesthetic appearance to structure with all contractors labour, tools & plants, material, lead and lift, complete as per specifications and as directed by Engineer-in-charge.	meter	275	474	130350.00	-do-
4	Providing & Fixing of Frames of 1st class Budloo, for false Ceilings/Partition walls with face venears, excluding cost of face veneers but including the cost of screws, wooden plugs, etc. with all contractors labour, material, tools and plants, lead and lift as a complete job as per specifications and as directed by Engineer-in-charge.	cum	5.5	41953	230741.50	-do-

5	Providing and fixing 8 mm thick plywood in roofing/false ceiling above first floor level and upto a max. height of 7.5m with all material, labour, fittings, scaffolding etc. with all contractors labour, material, tools and plants, lead and lift as a complete job as per specifications and as directed by Engineer-in-charge.	sqm	760	320	243200.00	-do-
6	Providing and fixing 900 mm high staircase railing consisting of 20 mm sqr bar as baluster fixed to the steps as per arrangements approved by Engineer-in-charge with 50 mm dia G.I pipe (class A) hand rail welded to the baluster including providing and fixing 50x50x40 mm high mild steel shoes including painting with two or more coat of synthetic enamel paints of approved brand & manufacture over a priming coat of approved brand & manufacture to give an even shade, providing & fixing 2mm thich PVC Circular sheet on hand rail all complete with all contractors labours, tools & plants , lead & lift as per specifications & as per direction of Engineer in Charge.	meter	15	525.45	7881.75	-do-
7	Providing and filling the sunken portion of slab with well burnt 40 mm graded brick bats in required numbers of layers and each set in the cement mortar 1:4 ( 1 Cement : 4 Coarse Sand ) mixed with water proofing compound as per manufacturer specification with all lead and lifts, labour, tools, plant dagbelling etc. complete as per specifications and as directed by the Engineer-in-charge.	Cum	24	239	5736.00	-do-
8	Providing and fixing fitting to sintex or approved equivalent polyethelene water storage tank such as 40mm dia nominal bore GI scour pipe 300mm long with GI fittings, 25 mm nominal bore GI overflow pipe with fittings, 300mm long and 25mm dia mosquito proof coupling with perforated brass cap and suitable inlet connection with G.I fittings etc. as per approved design with all contractors material, labour, tools and plants, lead and lift, consumables complete as per specification and as directed by the Engineer-in-charge  <b>NOTE: -</b> Each set will consist of all materials mentioned above.	Each set	9	259	2331.00	-do-
9	Providing and fixing stainless steel jali (grating) with or without hole for waste pipe for floor/nahani trap 100 mm dia with weight not less than 100 gms with all lead and lifts, labour, tools, plant dagbelling etc. complete as per specifications and as directed by the Engineer-in-charge.	Each	48	15.85	760.80	-do-
10	Providing and fixing magic eye of standard pattern including making hole etc with all contractors materials, labour, tools and plants, lead and lift, consumables complete as per specifications and as directed by the Engineer-in-charge.	Each	10	60	600.00	-do-

11	Providing and fixing heavy duty 35 mm diameter and 45 mm long buffers fixed to door shutters with necessary screws etc with all contractors materials, labour, tools and plants, lead and lift, consumables complete as per specifications and as directed by the Engineer-in-charge.	Each	90	22	1980.00	-do-
12	Providing and fixing precast Kerb stone of size 300 x300 x 150 in M-20 cement concrete and setting in position with cement concrete 1:2:4 ( 1 cement : 2 coarse sand:4 graded stone aggregate 12.5mm nominal size) of 400 mm wide and 75 mm thick including cost of excavation etc with all contractors material, labour, transportation, lead & lift etc. complete including cost of incidental charges for successful completion of work and as directed by Engineer-in-charge. at site.(Make : <b>Konkrete Catalogue No. KS-09 or equivalent</b> )  <b>NOTE:-</b> 1. The rate includes all excavation and concreting/fixing of kerb stone. 2. The thickness shall be 150mm	meter	100	165	16500.00	NS item
13	Providing and fixing Precast Reinforced Concrete Railing (manufactured with M-30 grade of concrete suitably reinforced & precasted using vibro compaction process using FRP moulds) 1.5 Metre Height of "Konkrete Make" or equivalent complete duly approved with all contractors labour, material, tools and plants, lead and lift as a complete job as per specifications and as directed by Engineer-in-charge.	meter	150	943	141450.00	-do-
14	Supply and fixing of precast SFRC covers as per IS:12592(up to latest amendment) including loading, leading to work site,unloading and fixing etc. with all contractors labour, material, tools and plants, lead and lift as a complete job as per specifications and as directed by Engineer-in-charge.					
14.1	Size 400*500mm.	No.	100	550	55000.00	-do-
15	Providing and fixing 560mm dia. Precast SFRC(medium duty) manhole cover of M-30 grade concrete with frame complete in all respect with all contractors material,labour transportation lead and lift etc.complete including cost of incidental charges for successful completion of work with all contractors labour, material, tools and plants, lead and lift as a complete job as per specifications and as directed by Engineer-in-charge.	Each	2	1350	2700.00	-do-
<b>Total of Schedule 'E'</b>					<b>1924655.65</b>	

<b>SCHEDULE- 'F' ( ELECTRICAL WORK)</b>						
1	Supplying and / fixing of following sizes of PVC conoduit along with accessories in surface /recess including cutting the wall and making good the same in case of recessed conduit as required.					<b>Ref. CPWD SOR'2007 (Electrical)</b>
a	PVC conduit - 20mm Heavy ISI	m	500	41.00	20500.00	1.21.1
b	PVC conduit - 25mm Heavy ISI	m	2210	<b>47.00</b>	103870.00	1.21.2
c	PVC conduit - 50mm Heavy ISI	m	376	90.00	33840.00	1.21.5
2	Supplying and / fixing of following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.					
a	1 Module( 75mm X 75mm)	No.	12	88.00	1056.00	1.27.1
b	2 Module ( 75mm X 75mm)	No.	26	88.00	2288.00	1.27.1
c	4 Module ( 125mm X 75mm)	No.	80	113.00	9040.00	1.27.2
d	6 Module ( 200mm X 75mm)	No.	9	153.00	1377.00	1.27.3
e	8 Module ( 125mm X 125mm)	No.	30	177.00	5310.00	1.27.4
f	12 Module ( 200mm X 150mm)	No.	17	225.00	3825.00	1.27.5
3	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.					1.22.4
a	200mm x 250mm x 75 mm deep	No.	2	143.00	286.00	1.22.10
b	200mm x 125mm x 60 mm deep	No.	4	97.00	388.00	1.22.6
4	Supply and Laying 120(O.D.)/103.5mm ( Inner Dia) Double walled corrugated duct HDPE pipe in floor/slab and in recess/surface as per IS 14930 (Part 2), Duraguard make or equivalent, including all accessories for Main Incoming Cables with all contractors material,labour transportation lead and lift etc.complete including cost of incidental charges as per approved drawing with all contractors labour, material, tools and plants, lead and lift as a complete job as per specifications and as directed by Engineer in-charge.	Meter	100	288.00	28800.00	NS item
<b>Total of Schedule 'F'</b>					<b>210580.00</b>	
<b>For &amp; on behalf of</b>						
<b>IRCON INTERNATIONAL LTD.</b>						
<b>Signature.....</b>						
<b>Designation : General Manager/J&amp;K-II</b>						