

**DETAIL NOTICE INVITING TENDER FOR CONSTRUCTION OF DISPENSARY, HEIFER SHED AND MATERNITY PENS, CALF SHED AND MILKING SHED
AT RRTC BOOH, TARN TARAN**

			TOTAL AMOUNT:			
			EARNEST MONEY:			
			DATE OF OPENING OF TENDER:			
SR. NO	REF OF CSR	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
1	5.6	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation & subsequent filling around masonry in 15cm layers with compaction including disposal of all surplus soil as directed within a lead of 30 meters				
		Total	634.41	Cum	182.00	Rs 115463.00
2	5.2(i)	Earth, Sorakhi, Sand, Earth, Fly Ash, Bajri, Ballast, Stone boulders, Kankar and building rubbish, Earth.				
		Total	779.29	Cum	182.40	Rs 142142.50
		Premium			7.00 %	Rs 9950.00
3	10.11 (b)(ii)	Cement concrete 1:4:8 With stone aggregate 40mm gauge mixing by mechanical means using concrete mixer volumetric type				
		Total	99.09	Cum	3619.00	Rs 358607.00
4	10.15	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS: 1791 and vibrated by needle vibrator but excluding steel reinforcement centering & shuttering in foundation and plinth.				
		Total	209.35	Cum	5153.00	Rs 1078781.00
5	10.20	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS: 1791 and vibrated by needle vibrator but excluding steel reinforcement centering & shuttering in superstructure.				
		Total	40.69	Cum	5902.00	Rs 240152.00
6	11.5(i)	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.				
		Total	120.91	Cum	5013.00	Rs 606122.00
7	11.6(i)	First class burnt brick work laid in cement sand mortar 1:5 in first storey upto 4 meters above plinth level				
		Total	107.66	Cum	5151.00	Rs 554537.00
8	10.26	Damp proof course 4cm thick of cement concrete 1:2:4 with 2 coats of bitumen 20/30 penetration at 1.65 Kg per sqm laid hot and sanded				
		Total	33.02	Sqm	331.00	Rs 10930.00
9	9.1	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)				

		Total	757.54	Sqm	210.00	Rs 159083.00
10	9.4	Centering and shuttering for columns (Square or rectangular or polygonal in plain)				
		Total	284.85	Sqm	477.00	Rs 135873.00
11	9.5	Centering and shuttering for columns (circular or curved in plain)				
		Total	125.53	Sqm	482.00	Rs 60505.00
12	9.8	Centering and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc.				
		Total	6.04	Sqm	532.00	Rs 3213.00
13	9.6	Centering and shuttering for sides and soffits of beam, beams, launchings, girders, bressumers, lintels				
		Total	119.04	Sqm	380.00	Rs 45235.00
14	18.18	Cold twisted deformed (Ribbed/ Tor steel) Bars (Fe 500 grade as per IS 1786-2008), for R.C.C works, where not including in the complete rate of RCC including bending and binding placing in position complete.				
		Total	238.00	Qtl	6497.00	Rs 1546286.00
		Difference in rate in addition as per AC Slip 4		Qtl	933.24	Rs 222112.00
15	11.36	115mm thick brick wall in cement sand mortar 1:4 without reinforcement in superstructure				
		Total	10.10	Sqm	640.00	Rs 6464.00
16	15.9	12.5 mm thick cement plaster 1:4				
		Total	709.78	Sqm	189.00	Rs 134148.00
17	15.6	10 mm thick cement plaster 1:4				
		Total	327.92	Sqm	164.00	Rs 53779.00
18	15.20	20mm thick cement plaster 1:4 in two coat work				
		Total	505.41	Sqm	260.00	Rs 131407.00
19	16.65	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two or more coats to get required finish				
		Total	1451.39	Sqm	80.00	Rs 116111.00
20	16.59	Finishing walls with acrylic smooth exterior paint of required shade with two or more coats applied @ 1.67 litre/10Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm				
		Total	682.12	Sqm	120.00	Rs 31854.00
21	16.10	Distemping with Acrylic washable oil bound distemper (of approved manufacture) two or more coats over one priming coat to give an even shade				
		Total	769.26	Sqm	75.00	Rs 57695.00
22	17.27	Factory manufactured solid flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position (Code : IS-2202 1) 1999				
	(a)	Commercial with elm or gurjan facing on both \ Sides with laminated core and lipped edges:-				

	(ii)	25mm thick				
		Total	8.13	Sqm	1921.00	Rs 15862.00
	(iv)	35 mm thick				
		Total	34.26	Sqm	2307.00	Rs 79038.00
23	16.16	Applying pink primer or aluminum priming coat on wood work including preparation of surface knotting and stopping etc.				
		Total	114.50	Sqm	28.00	Rs 3206.00
24	18.25	Supplying and fixing glass panes with glazing clips and special metal sash putty of approved make.				
		(b) Glass panes 4mm or 10.75 kg / sqm exceeding 0.4 sqm of area				
		Total	6.55	Sqm	598.00	Rs 3917.00
25	18.27	Wire gauge fixed on steel windows of standard rolled steel section, with 3mm thick flat iron cover moulding of 12.5mm width, fixed with machine screws, complete in all respects.				
		Total	29.62	Sqm	755.00	Rs 22363.00
		Premium			20.00 %	Rs 4473.00
26	14.113	Providing and laying vitrified floor tiles of different sizes in light colour shades made using Double Charge technology (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 fine sand), complete.				
	(a)	Size 600x600 mm				
		Total	26.01	Sqm	1048.00	Rs 27238.00
27	18.29	Providing and fixing M.S. angle iron 40x40x6mm chowkat including iron hold fasts butt hinges fixed in position, finished with red lead non setting primer complete in all respect				
		(a) For single rebate.				
		Total	57.61	Kg	89.00	Rs 5127.00
28	14.87	Black Granite stone tiles 15mm to 20mm thick in skirting, risers of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone, including rubbing and polishing including labour for fixing dowel pins and cramps.				
		Total	6.70	Sqm	3155.00	Rs 2209.00
29	14.127	Providing and fixing 1st quality ceramic glazed wall tiles Matt / Semi Matt / Glossy / Highly Gloss Finish / Highlighter/ emboss conforming to IS : 15622 (thickness to be specified by the manufacture of approved make in all colours, shades except burgundy, bottle green, black of size 450 x 310 mm as approved by Engineer-in- Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4 (1 cement: 4 fine sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shadecomplete.				

		Total	16.20	Sqm	795.00	Rs 12879.00
30	14.72	Providing and laying Anti skid Ceramic floor tiles of size 300x300 mm x 10 mm thick of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on flooring skirting and dado in 12.5mm thick cement plaster 1:3 in base and jointed with @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete white cement slurry in joints including corners angles and				
		Total	3.82	Sqm	672.00	Rs 2567.00
31	30.4	Providing and fixing in position Chinaware European type water closet P trap or S trap of approved make (to the approval of the Engineer-in-charge) consisting of 10 ltr. PVC flushing cistern ISI marked, PVC short bend 32 mm dia including cost of seat cover complete in all respect and to the entire satisfaction of Engineer-in-charge.				
		Total	1.00	Each	4780.00	Rs 4780.00
32	30.8	Providing and fixing jet spray with 2'-6" long PVC pipe.				
	(a)	With C.P. Brass nut				
		Total	1.00	Each	476.00	Rs 476.00
33	30.14(a)	Extra for providing and fixing 10 litres capacity Chinaware low level flushing cistern with PVC internal fitting, instead of 10 litres capacity PVC flushing cistern.				
		Total	1.00	Each	2572.77	Rs 2573.00
34	30.32	Providing and fixing in position vitreous chinaware white lavatory suites of approved make (to the approval of Engineer-in-charge) consisting of C.P. brass waste 32mm dia with one C.P. brass pillar tap including Rack Bolt Screw Pair 115mm long complete in all respect.				
	(ii)	Size 550 mm x 400 mm x 815 mm				
		Total	1.00	Each	3614.00	Rs 3614.00
35	30.58	Providing and fixing in position towel rails / ring of approved make (to the approval of Engineer-in-charge) fixed in with rawl plugs embedded in walls with brass screws complete in all respect.				
	9d)	C.P. brass towel bracket (610mm long)				
		Total	1.00	Each	3285.00	Rs 3285.00
36	30.61	Providing & Fixing in position 5mm thick bevelled edge mirror of superior glass (of approved make) complete with 4mm thick hard board backing fixed in with rawl plugs 50mm, C.P. brass screws and washers and S/S Studs on top complete in all respect (as required by the Engineer-in- Charge)				
	(a)	Size 600mmx450mm				
		Total	1.00	Each	1199.00	Rs 1199.00
37	30.72	Providing & fixing in position PVC flexible tube connection of approved make (to the approval of Engineer-in-charge) complete in all respect.				
	(b)	PVC tube connection of size 15 mm x 450 mm with C.P. Brass nut				

		Total	6.00	Each	182.00	Rs 1092.00
38	30.74	Providing and fixing in position singel socket SWR UPVC soil waste or amisyphonage pipes as per IS 13592 of E.D.C manufacture or of any other reputed firm including cutting, jointing, wastage, but excluding cost of jointing.				
	B	Single Socket Type B				
	a	160mm o/d SWR UPVC pipe lines laid complete	30.48	R-m	612.37	Rs 18663.00
		Total				
	b	110mm o/d SWR UPVC pipe lines laid complete	45.72	R-m	374.04	Rs 17101.00
		Total				
39	28.19	CONCEALED IN WALL: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes as per IS 15778 (ISI marked with the prior approval of Engineer-in Charge), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing including jointing of pipes & fittings, with one step CPVC solvent cement and testing of pipes complete as per direction of Engineer-in-Charge.				
		a) CPVC SDR 11 Pipe & fitting 16mm o/d	231.65	Rmt	178.72	Rs 41400.00
		Total				
		c) CPVC SDR 11 Pipe & fitting 25mm o/d	152.40	Rmt	285.75	Rs 43548.00
		Total				
		e) CPVC SDR 11 Pipe & fitting 40mm o/d	262.13	Rmt	505.27	Rs 132446.00
		Total				
40	28.43	Providing, fixing and jointing ISI Marked Gun-Metal peet valves (Heavy Pattern) as per IS 778 with hand wheels, on G.I. Pipe lines laid in the ground or inside buildings including all carriages complete.				
		c) 25mm i/d Gun Metal peet valve heavy pattern.	17.00	Nos.	772.96	Rs 13140.00
		Total				
		e) 40mm i/d Gun Metal peet valve heavy pattern.	5.00	Nos.	1564.53	Rs 7823.00
		Total				
41	28.13	Providing, laying, fixing & jointing P.V.C. Pipes as per ISI- 4985 (Premium Make such as Supreme / Finolex) (ISI marked with the prior approval of Engineer-in-Charge) along the Trenches and laying the same in Trenches to correct alignment and gradients, cutting, jointing and testing complete as per specifications.				
	xvi	160mm o/d pipe of 6 Kg. /sqcm	268.22	Rmt	552.99	Rs 148323.00
		Total			58.00 %	Rs 86028.00
		Premium				

42	29.60	Construction of brick masonry inspection chambers size as given below upto 0.60 metre average depth in 1:5 cement sand mortar, C.C. 1:4:8 (150mm thick) in foundation, cement concrete 1:2:4 benching 12.50mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement, R.C.C. 1:2:4 slabs 100mm thick cement concrete topping 50mm thick with 455mm x 455mm, 455mm x 610mm inside R.C.C. inspection chamber cover and frame (Weight as per I.S.I specifications) painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design.				
	(a)	Size 450mm x 450mm inside with RCC 455mm x 455mm cover and frame light duty double seal				
		Total	13.00	Nos.	4863.00	Rs 63219.00
43	30.65(A)	Providing & Fixing in position 15mm i/d bib cock of approved make (to the approval of Engineer-in-charge) complete in all respect.				
	(i)	C.P. brass Bib cock long nose/ long body foam flow without flange				
		Total	1.00	Nos.	1153.00	Rs 1153.00
	(ii)	C.P. brass Bib cock foam flow without flange				
		Total	6.00	Nos.	917.00	Rs 5502.00
44	30.99	Providing and fixing in position gully traps fixed in cement concrete 1:4:8 complete with Grating 150mm x 150mm, cover and frame clear opening 300mm x 300mm and out of side size 330mm x 330mm and chamber including cost of all bricks work in cement mortar 1:5 cement concrete 1:2:4 in coping around cover and frame etc. as per standard design minimum depth of water should be 150 mm with a minimum seal 50mm.				
	(a)	100mm internal Diameter S.W.gully trap with H.C.I. grating and cast iron cover weighing approximately 7.26 kg. and frame clear opening 300mm x 300mm and out of side size 330mm x 330mm				
		Total	12.00	Nos.	1832.00	Rs 21984.00
45	30.81	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per as per IS - 14735 including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining.				
	B	For 110mm o/d pipes				
	iii	Single Tee	2.00	Nos.	195.68	Rs 391.00
	v	Elbow 90 Degree (All side socketed)	4.00	Nos.	154.31	Rs 617.00
	ix	P Trap/Floor Trap 110mm x 110mm	3.00	Nos.	321.20	Rs 964.00
46	30.66	Providing & Fixing in position stop cock / Angle valve of approved make (to the approval of Engineer-in-charge) complete in all respect.				
	(b)	C.P.brass 15mm Concealed stop cock with flange.				
		Total	1.00	Nos.	1204.00	Rs 1204.00
	(c)	C.P.brass 15mm Angle valve without flange				
		Total	3.00	Nos.	826.00	Rs 2478.00

47	30.47	Providing and fixing in position stainless steel sinks of approved make (to the approval of Engineer-in-charge) 1mm thick, grade-304 (18/8) with waste coupling complete in all respect.				
	(a)	Rectangular Sink with Defuse Border Single Bowl Overall Size 700 mm x 555 mm x 230 mm				
		Total	1.00	Nos.	7740.00	Rs 7740.00
48	30.80	Providing and fixing in position SS Grating with frame of approved make (to the approval of engineer in charge) complete in all respects.				
		Total	4.00	Nos.	110.66	Rs 443.00
49	30.20	Providing and fixing P.V.C Waste Pipe Collapsible 32mm complete in all respect.				
		Total	3.00	Nos.	113.00	Rs 339.00
50	18.4	Wrought iron & Mild steel ladders, framed grills, gratings etc. with ends of bars riveted or molded forged framed window guards, barred iron doors stair case iron railing etc. including cost of bolts and nuts, screws, welding rod complete fixing in position				
		Total	35.70	Qtl	9140.00	Rs 326298.00
		Difference in rate in addition as per AC Slip 4		Qtl	1306.34	Rs 46644.00
51	18.52	Steel work in built up tubular (round, square or rectangular hollow tubes etc. ISI Marked) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolting with special shaped washers etc. complete having span:-				
	(a)	Up to 15.00 Mtr. Span				
		Total	37.99	Qtl	10327.00	Rs 392523.00
		Difference in rate in addition as per AC Slip 4		Qtl	373.30	Rs 14182.00
52	18.15	Nuts & Bolts of all sizes and length required				
		Total	2331.00	kg	116.00	Rs 270396.00
53	13.27(iv)	Providing and fixing Gutter 250mm wide with PPGL 0.50 thick (TCT) manufactured from zinc / aluminium alloy coated high tensile steel, having minimum yield strength of 550 MPa of approved colour fixed by means of self-drilling screws limped washers as per the manufactures guidelines complete in all respect and to the entire satisfaction of engineer in charge.				
		Total	147.52	Rmt	1352.00	Rs 199447.00
		Premium			30.00 %	Rs 59834.00
54	13.51	Bottom Khurra on ground 1.2m x 0.6m consisting of brick on-edge laid in cement mortar 1:3 over 7.5 cm cement concrete 1:8:16 including 12.5mm thick cement plaster 1:3				
		Total	26.00	Nos.	677.00	Rs 17602.00
55	16.20	Applying priming coat with metal primer on new steel or iron work including preparation of surface.				
		Total	1083.65	Sqm	24.00	Rs 26008.00

56	16.17	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.				
		Total	1198.16	Sqm	66.00	Rs 79079.00
57	10.8 (b)(ii)	Cement concrete 1:6:12 With stone aggregate 40mm gauge mixing by mechanical means using concrete mixer volumetric type				
		Total	138.65	Cum	3290.00	Rs 456160.15
58	10.13	Cement concrete 1:2:4				
	a	With stone ballast or shingle				
	ii	mixing by mechanical means using concrete mixer volumetric type				
		Total	47.41	Cum	4675.00	Rs 221642.90
59	30.16	Providing and fixing in position vitreous Chinaware white Indian make large flat back or angular tipped front urinal 375 x 390 x 590 mm of approved make (to the approval of the Engineer-in-charge) consisting of C.P. brass Urinal waste Coupling dome type 32mm outer length 75 mm . C.P. brass Urinal Spreader Ocular-Regular and C.P. brass tube connection 300 mm long				
		Total	1.00	Nos.	6551.00	Rs 6551.00
60	13.86	Providing and fixing mineral fibre false ceiling tiles at all height upto 4 mtr of size of size 595x595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflection > 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 & 7) in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main 3 runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size 24x24x3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long				
	(i)	With 16 mm thick beveled regular mineral fibre false ceiling tile (NRC 0.55 to 0.6) size 595x595 mm				
		Total	76.29	Sqm	1364.00	Rs 104060.00

61	29.43	Providing, laying in trenches to correct gradient and alignment and jointing of UPVC pipes having ISI specification IS:15328-2003 class-SN-8 marked make Supreme, Fireflex, Kissan, Jain, Prince or equivalent good on them and laying the same in trenches to correct alignment and gradients, cutting and jointing, testing for water tightness and making good the leakages and defects including cost of specials (Specials and Solvent should be of same make as that of pipes) complete in all respects.				
	c	160mm o/d pipe				
		Total	155.75	Rmt	753.00	Rs 117280.00
		Premium			58.00 %	Rs 68023.00
	d	200mm o/d pipe				
		Total	45.72	Rmt	1180.00	Rs 53950.00
		Premium			58.00 %	Rs 31291.00
62	29.55	Constructing brick masonry manhole in cement mortar 1:5 (1 cement : 5 coarse sand) R.C.C. top slab 20cm thick using M-20 mix by using mixer and vibrator. TMT Fe500 @ 80.00 kg/per cum. foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making 40mm thick benching in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement. Orange coloured PVC steps including RCC cover with frame complete as per standard design complete in all respects.				
	(b)	Inside size 90x150 cm and 120 cm deep				
		Total	4.00	nos.	22749.00	Rs 90996.00
63	29.58	Extra payable for every 0.30 m additional depth of manhole chamber in item 29.55 upto 1.80 m increase in depth.				
		Total	6.00	nos.	2596.00	Rs 15576.00
64	9.2	Centring and shuttering for faces of walls, partitions, retaining walls and the like (vertical or battering) including attached pillars/buttersses etc				
		Total	56.00	Sqm	405.00	Rs 22680.00
65	16.3	White washing (Three coat)				
		Total	96.38	Sqm	15.00	Rs 1446.00
66	18.53	Steel work in built up tubular pipes (round, square or rectangular hollow tubes etc. ISI Marked) for flat shed (ie. Where no truss work is involved) including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
		Total	144.18	Qtl	9490.00	Rs 1368268.00
		Difference in rate in addition as per AC Slip 4		Qtl	373.30	Rs 53823.00
67	17.26	Providing & Fixing glass panes with nails and putty or wooden strip complete in all respect				

	(b)	Glazing area above 3.99 sqm				
	(iii)	5.0mm thick Plate glass (INDIAN)				
		Total	65.82	Sqm	772.00	Rs 20813.00
68	18.20	Supplying openable steel windows, of standard rolled steel Z sections, joints mitered and Electrically flash-welded, with iron fittings including necessary iron handles, Peg-stay catchers bolts, iron plugs and pressed steel projected hinges and glazing clips, complete (Excluding glazing) and finished with two coats of ready mixed paint red lead non setting primer				
	(b)	Above one sqm Area				
		Total	1764.00	kg	108.00	Rs 190512.00
69	30.65B	Providing & Fixing in position C.I.bib cock as per IS:210 with stainless steel spindle of approved make (to the approval of Engineer-in-charge) complete in all respect.				
	(i)	15mm i/d				
		Total	40.00	nos.	187.00	Rs 7480.00
70	14.137	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M-35 grade machine made rubber moulded smooth finish with strong vibratory process or with vibrohydraulic compaction machine and of approved size and design / shape laid in Ordinary Grey and pattern over and including 40 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per directions of Engineer-in-Charge IS Code 15658(2006)				
		Total	33.80	Sqm	645.00	Rs 21801.00
71	14.141	Extra Cost for using darker fast shade for interlocking pavers Tiles of any shape & thickness instead of grey colours.				
		Total	16.90	Sqm	65.00	Rs 1099.00
72	28.27	Providing & fixing C.I/D.I Flanged end, stem of SS (AIS 1410) and Bronze(gunmetal) working parts Sluice Valves ISI marked 14846-2000, including jointing, testing & cost of Nut, Bolt & insertion sheet, all carriage complete (with the approval of Engineer incharge).				
	(A)	Class PN-1 as per ISI				
	(b)	100mm i/d Sluice Valves flanged				
		Total	1.00	nos.	5711.07	Rs 5711.00
73	28.7B	Providing, Stringing out, cutting, Jointing and testing of ISI Marked D.I. Pipe (S&S) as per IS 8329 and laying the same in trenches to correct alignment and gradients, jointed with rubber tyton joints fitted complete including all cartage, cost of rubber ring.				
	B	D.I. Pipe as per IS 8329 DI-K9				
	(b)	100mm i/d pipe lines laid complete				
		Total	60.96	Rmt	1226.05	Rs 74740.00
		Premium			15.00%	Rs 11211.00

74	28.25	Supplying and laying D.I. specials/fittings as per IS:9523-2000 (ISI marked with the prior approval of Engineer-in-Charge), class K-12 suitable for tyton joint with external bitumen coating and inside cement mortar lining, scaffolding, tools and plants, ropes, guys, etc. Complete in all respects.				
		(a) D.I. specials upto 300mm i/d				
		Total	61.00	kg	115.81	Rs 7064.00
75	14.84	Kota stone slab 20-25 mm thick flooring over 20 mm (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) :				
		Total	68.63	Sqm	1097.00	Rs 75287.00
76	30.100	Providing and fixing in position vitreous Chinaware white channel of approved make (to the approval of Engineer-in-charge) of size 600 mmx100mm including laying and fixing in cement concrete 1:2:4 complete in all respect.				
		Total	80.00	nos.	484.90	Rs 38792.00
77	28.122	Supplying an Fixing Pendant / Upright type sprinkler with quartzoid bulb, operating temperature 68 / 79 degree centigrade of 15 mm dia orifice sprinkler head to approved by UL/SN				
		Total	50.00	nos.	255.07	Rs 12754.00
78	14.125	Providing and fixing 1st quality ceramic glazed wall tiles Matt/Semi Matt/Gloss/Highly Gloss finish/Highlighter/emboss conforming to IS : 15622 (thickness to be specified by the manufacture of approved make in all colours, shades except burgundy, bottle green, black of size 200 x 300 mm, 100x200mm, 200x200mm as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4 (1 cement: 4 fine sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.				
		Total	172.56	Sqm	699.00	Rs 120619.00
79	17.19	Teak wood wire gauge shutters without spring (Single Leaf)				
		(a) 35mm thick (Single Leaf)				
		Total	29.73	Sqm	4307.00	Rs 128047.00
80	18.43	Re-barring (Chemical Anchor) of 12mm dia bar, hole size 16mm, depth 120mm with 14 ml injectable mortar epoxy adhesive (Hybrid urethane methacrylate adhesive) rebaring chemical complete in all respect.				
		Total	36.00	nos.	303.00	Rs 10908.00
81	14.7	Conglomerate floor 50mm thick cement concrete topping 1:2:4 using mechanical mixer for mixing of material				
		Total	68.63	Sqm	346.00	Rs 23746.00
82	24.5	Compaction				
		b(i) Extra for laying earth/fly ash as per specifications in 20 cm. Layers and dressing but excluding cost of rolling.				

		Total	779.29	Cum	62.00	Rs 48316.00
	b(ii)	Extra for watering the earth/fly ash laid in 20 cm layers as per specifications for compaction.				
		Total	779.29	Cum	15.00	Rs 11689.00
	b(iii)	Extra for rolling to specifications.				
		Total	779.29	Cum	17.00	Rs 13248.00
83	6.4	Extra For compensation & royalty for Ordinary earth/ Ordinary clay taken from private land.				
		Total	779.29	Cum	60.22	Rs 46929.00
84	4.1(A)	Loading and Unloading by Mechanical means				
		Total	779.29	Cum	25.75	Rs 20067.00
		(19.48+6.27=25.75)				
85	5.2(i)	Carriage of material				
	a)	Fine sand (Lead as per Lead Chart)				
		Total	143.61	Cum	125.10	Rs 17966.00
	b)	Coarse sand (Lead as per Lead Chart)				
		Total	188.42	Cum	543.45	Rs 102397.00
	c)	Coarse Aggregates (Lead as per Lead Chart)				
		Total	259.47	Cum	402.27	Rs 104377.00
	d)	Stone Ballast (Lead as per Lead Chart)				
		Total	232.38	Cum	380.36	Rs 88374.00
		Difference in rate for Bricks in addition as per AC Slip 4				
		Total	110271.00	Nos.	@Rs 719.93 /1000 nos.	Rs 79387.00
		NS ITEMS				
1	NS	Providing & fixing MS iron steel chowkath with standard different tube section including hinges complete in fixed position complete in all respect to the entire satisfactory Engineer-in-charge.				
		Total	1210.00	Kg	To be Quoted by the Contractor.	
2	NS	Providing and fixing of The Sandwich PUF Roof Panels of insulated Roofing of 50/80mm thick Sandwich PUF wall panel with rigid puf injected CFC free Polyurethane foam as insulation cladded with both side 0.50mm Galvalume sheet Az-150 Coating and Protective Guard film and PUF density 40 ±2kg/m³, pitch 200±1mm ,colour as desired by Engineer -in-charge of approved manufactures fixed as per manufactures guidelines and accessories like Self drilling screws pitch @ 300mm c/c with sealant in all respect (only finished area payable no overlap/ wastage shall be paid) complete in all respect to the entire satisfaction of Engineer-in-charge.				
		Total	1035.94	Sqm	To be Quoted by the Contractor.	

3	NS	Providing and fixing of The Sandwich PUF Roof Panel Flashing with 0.50mm Galvalume sheet AZ-150 Coating and Protective Guard film, colour as desired by Engineer -in-charge of approved manufactures fixed as per manufactures guidelines and accessories like Self drilling screws pitch @ 300mm c/c with sealant in all respect (no overlap/ wastage shall be paid) complete in all respect to the entire satisfaction of Engineer-in-charge.				
		Total	273.10	Rmt	To be Quoted by the Contractor.	
4	NS	Providing & fixing MS pipe railing of various diameters including cutting, welding, grinding, wastage complete all respect with satisfaction of Engineer in-charge.				
		Total	15265.24	kg	To be Quoted by the Contractor.	
5	NS	Providing and fixing GI pipe Crate 2.5" dia of premium make such as Jindal Hissar B Class including all inventory such as Clamp, Hinges, Iron Chain, Iron Plates to support, Bends & labour charges for Cutting, Welding, Painting, Erection & Fixing complete in all respect as desired by EIC				
		Total	3.00	nos	To be Quoted by the Contractor.	
6	NS	Providing and fixing turbine exhaust fan 24" dia. With base with the complete satisfaction of Engineer-in-charge.				
		Total	18.00	nos	To be Quoted by the Contractor.	
7	NS	Providing and fixing of GI pipe B Class make Jindal Hissar/Ravindra of 50mm i/d ISI standard railing including cutting, welding, bolting / riveting, erecting in position, wastage etc. only finished product to be paid as per actual weight as desired by Engineer in charge complete in all respects including all carriages.				
		Total	2326.71	kg	To be Quoted by the Contractor.	
		Total CSR Amount				Rs 12037789.00
		Total NS Amount				Rs 5347224.00
		Grand Total				Rs 17385013.00

Rates/Quantities taken in the DNIT are provisional and for estimation purpose only. The payment to the contractor/agency should only be made as per tendered rates/actual work done at site and PWD specifications.

Balbir Singh
28/1/23
Executive Engineer (Civil)
GADVASU, Ludhiana

*NSI has checked
A. Garg
26/01/23 resident*