

PART- II
SCHEDULE OF WORKING RATES
(MISCELLANEOUS)

4.1 (A) Jungle clearing 15 metre wide of the alignment including cutting mulli bamboo and clumps uprooting strumps and trees below 500mm grith and removing outside the road way limit as directed.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
a)	Light jungle occurring in grazing areas.	KM	2236.00	2200.00
b)	Heavy jungle	KM	5962.00	5885.00
4.1 (B) Earth work in excavation to the proper level and grade including light dressing and stacking of serviceable stone as directed and removal of spoils upto 30 meters and all lift.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
a)	In ordinary soil	M ³	22.00	30.00
b)	Hard soil or soil mixed with moorum gravel boulders upto One man size (above 0.30 cubic metre each).	M ³	24.00	43.00
c)	Loose Boulders above one man size or soft shale.	M ³	28.00	50.00
d)	Soft or laminated rock or medium shale.	M ³	33.00	64.00
e)	Hard shale or medium rock of the hardness of the building Stones, leterite and like .	M ³	42.00	80.00
f)	Very hard shale	M ³	54.00	97.00
g)	Hard rock such as hard stone fit for road metal, lime stone and the like (Payable after E.E. had passed).	M ³	142.00	132.00
h)	Very hard rock such as quartz hard conglomerate, genises, granite blue whim stone and the like (Payable after S.E. has passed).	M ³	189.00	142.00
N.B. :- Side slopes shall normally be in cutting 1 horizontal to 3 vertical and embankment 1 ½ horizontal to 1 vertical.				
4.1 B) (i)	Extra for excavation in through cutting over 150cm height at the lowest point.	M ³	6.50	-
	(ii) Extra for labour for earth filling in layers with spoils obtained from cutting in excavation of trenches including dressing in original formation.	M ³	6.50	6.00
Note :- (i) large size boulders above 1.00 cubic metre each will be classified under category of rocks Under relevant classification, (ii) for excavation for foundation trenches including preparation to the Proper grade rates will be the same as per item, above plus 20% (twenty percent) extra (iii) In the even contractor fails to complete the execution to the proper formation level and dressing of the formation as specified, a reduction from the amount of the cost in each work in excavation shall be made us under. Either at the rate of 0.50 (fifty paise) only per sq. metre of the prescribed formation or 10% (ten percent) of the total amount of the cost in earth in excavation already done by the contractor which ever is lesser.				
4.2	Construction of 65mm thick cement concrete platform 1.00mm x 1.00mm size over 100mm thick stone soling with 80mm x 150 height R.C.C. stavel post 1.25mm dia vertical rod and 6mm dia stirrups @ 150mm C/C including earth work and inside filling with 12mm thick cement plaster prop 1:3 including shuttering, curing etc. all complete as per drawing and direction of P.H.E.D. including carriage of	Each	1351.00	1391.00

cement and M.S. rods.				
4.3 Construction of stone masonry chamber with 25cm thick wall in prop, 1:4 for sluice valve with 6mm thick M.S. plate cover with hinges and locking arrangement including earth work in excavation for foundation in crop 1:3:6 and 12mm thick cement plaster inside the chamber in 1:3 finished with near cement complete as per drawing and directions.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
a)	For 80mm dia to 150mm dia sluice valve dimension 0.80 x 1.00 x 1.00M.	Each	2425.00	2631.00
b)	For 200mm dia to 250,, dia sluice valve dimension 1.00 x 1.20 x 1.20M	Each	3562.00	3041.00
c)	For 300mm dia dimension 120 x 1.20 x 1.20M	Each	4002.00	-
4.4 Construction of valve chamber for G.I. pipe with 150mm thick cement concrete wall in prop, 1:2:4 with 6mm thick M.S. plate cover with hings and locking arrangement including earth work in excavation in foundation and 75mm thick R.C.C. in prop. 1:3:6 in foundation all complete as per drawing and direction.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
a)	For upto 40mm dia G.I 4 inches dimension 0.45 x 0.45 x 0.50 M.	Each	1499.00	2131.00
b)	For 50mm dia inside dimension 0.60 x 60 x 0.50 M.	Each	1843.00	2565.00
4.5 Construction of Air valve chamber with stone masonry 25cm thick wall in prop. 1:6 over 7.5 cm thick P.C.C. in foundation in prop. 1:6 including earth work in excavation and 12mm thick cement plaster inside the chamber in prop. 1:3 finished with net cement including 10cm thick R.C.C. stab cover in prop. 1:2:4 with 12, rod 150mm dia C/C both ways and keep 4 nos, 25mm ida G.I. pipe IM length leading to the nearest drain to escape the water all complete as per drawing and design.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
a)	For 80mm to 200mm dia. inside dimension 0.80 x 0.80 x 0.50 M.	Each	2235.00	2380.00
b)	For 250mm to 300mm dia. inside dimension 0.80 x 0.80 x 1.00 M.	Each	2883.00	2808.00
4.6 Construction of stone masonry for fire hydrant with 25cm thick M.S. plate cover with hings and locking arrangement including earth work in excavation for foundation and 75cm thick P.C.C. in foundation and in 1:36 prop, and 12mm thick cement plastering inside prop, 1:3 finished with neat cement all complete as per drawing and direction.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
a)	Inside dimension 0.75 x 0.75 x 1.00M	Each	2971.00	2534.00
4.7 Sinking with 1.07 metre inside dia and 1.22 metre outside dia earth work in excavation in all classes of soil including hard earth mixing with water including transporting the surplus earth to a distance of 30 metre or as directed by the department all complete.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
a)	For first 3 M below ground level	Each	129.00	100.00
b)	For 3 M to 6 M depth below ground level	Each	243.00	200.00
c)	For 6 m to 9 M depth below ground level	Each	322.00	267.00
e)	For 9 M to 12 M depth below ground level	Each	551.00	484.00

Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
4.8	Supplying 75mm thick 0.4m high R.C.C. ring 1.07m inside Dia 1.22m outside dia in cement concrete in prop. 1:2:4 With 12mm to 20mm broken stone aggregate reinforced With 12mm dia M.S. rod at 23cm C/C vertically and 6mm dia M.S. rod placed at 10cm C/C horizontal tied with galvanized tying wire including centering, shuttering curing etc. all complete as directed by the department.	Each	1318.00	1732.00
4.9	Fitting and fixing in position R.C.C. ring and jointing the ring with cement mortar in prop. 1:4 and plastering inside the joint with cement mortar prop. 1:2 or as directed by the department.	Each	40.30	37.00
4.10	65mm thick cement concrete work in floor of ring well in prop. 1:3:6 upto 20mm size stone over one 100mm thick soling layed to a slope 1 in 26 including curing etc. all complete as directed.	Each	321.00	160.24
4.11	Labour for trial boring with 40mm dia G.I. pipe upto depth About 30 meters and collecting samples of soil at every 3 M of depth or so. Or where there is a change of strata in sample boxes with distinguished marks complete and removing the pipes for tower assembly etc. all complete. (Pipes for boring will be arranged by the contractor for the works and trial boring).	Each	23.00	27.00
4.12	(i) Providing 100mm thick soling with approved quality stone including local carriage of stone including ramming consolidating and fitting the interstices with stone aggregate complete.	M ²	52.00	97.00
4.13	Providing and laying cement concrete in prop 1:4:8 with Bard broken stone aggregates or river shingles 40mm Down graded including carriage of stones and sand and Curing (excluding shuttering) complete.	M ³	1878.00	2045
4.14	Providing and laying cement concrete in prop 1:3:6 with Brad broken stone aggregates or river shingles 40mm Down graded including carriage of stones aggregates and Sand and curing (excluding shuttering) complete as directed.	M ³	2210.00	2302.00
4.15	Providing and laying cement concrete in prop 1:2:4 Corresponding to M 150 with very hard stone or river Shingles 20mm down graded including curing (excluding Shuttering) complete as directed.	M ³	2973.00	2790.00
4.16	Providing and laying cement concrete in prop 1:1½:3 Corresponding to m 200 with stone aggregates 20mm down graded including carriage of aggregate and (excluding shuttering or reinforcement) complete as directed.	M ³	3450.00	3165.00
4.17	Providing regular stone masonry with hammer dressed Or chisel dressed stone of heavy section with proper key Stones in cement mortar 1:6 including carriage of stones Filling in Neuches and providing weep holes at 1.2 to 1.5	M ³	1240.00	1560.00

	metres apart.			
4.18	Providing coursed random rubble stone masonry in Foundation and plinth with un sized stone in cement mortar 1:6 including curing complete (thickness not exceeding 35cm)	M ³	1019.00	1520.00
4.19 Providing 12mm thick cement plastering including clearing the surface and curing complete.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
i)	Prop. 1:2	M ²	108.00	95.00
ii)	Prop. 1:3	M ²	81.00	85.00
iii)	Prop. 1:4	M ²	69.00	80.00
4.2	(a) Providing 12mm thick cement plastering to interior surface of water retaining structure with water proof compound including clearing the surface and curing complete in prop 1:2..... Per Sq Metre	M ²	124.00	-
4.2	(i) Providing shuttering with dressed planks not less than 25mm thick properly joined including batens prop. to the proper level and removing the same after the concrete hardness as directed.....	M ²	121.00	226.00
	(ii) Providing shuttering with dressed planks not less than 25mm thick properly joined including battens prop. to the proper level and removing the same after the concrete hardness as directed. (Round shuttering for circular structure)	M ²	172.80	-
4.2	Supplying fitting, fixing including bending cranking to the Design M.S. reinforcement including supplying the tying Wire 20 G complete as directed...	Qtl	3818.00	3627.00
4.2	Supplying fitting, fixing including bending cranking to the Design rorsteel reinforcement including supply of tying Wire 20 G complete as directed.	Qtl	3995.00	3925.00
4.2	Providing R.C.C. supporting pillar with 45cm x 45 cm x 10cm P.C.C. base in prop 1:3:6 over which 45cm x 45cm x 45cm x 15cm footing 1:2:4 reinforce with 6mm dia M.S. rod @ 15cm C/C both ways at bottom and 4 Nos of vertical 12mm dia M.S. rod with 6mm dia Ms, stirups @ 15cm C/C on top including 12mm thick plastering in prop 1:3 with foundation earth cutting shuttering curring etc. all complete as per direction. (for 15mm dia to 65mm dia pipes)	Rm	330.00	-
4.2	Providing R.C.C. supporting pillar with 50cm x 50 cm x 10 P.C.C. base in prop 1:3:6 over which 50 x 50 cm x 15cm footing in prop 1:2:4 and 20cm x 15cm pillar in prop 1:2:4 reinforcement with 6mm dia M.S. rod @ 15cm C/C both ways at bottom and 4 Nos of vertical 12mm dia M.s. rod with 6mm dia M.s. stirups @ 15cm C/C on top including 12mm thick plastering in prop. 1:3 with foundation earth cutting shuttering curing etc. and complete as per direction (for 80mm dia to 100mm dia pipes)	Rm	447.00	-
4.2	Providing R.C.C. supporting pillar with 60cm x 60 cm x 15cm P.C.C. base in prop. 1:2:6 over which 60cm x 60cm	Rm	701.00	-

	x 15cm footing in prop 1:2:4 and 25cm x 20cm pillar in prop 1:2:4 reinforcement with 6mm dia M.s. rod @ 15 C/C both ways at bottom and rod 4 Nos of vertical 12mm Dia M.s. rod with 6mm dia M.S. stirrups @ 15cm C/C on top including 12 mm thick plastering in prop 1:3 with foundation earth cutting shuttering curing etc, and complete as per direction (for 125mm dia to 150 mm dia pipes)			
4.2	Providing R.C.C. supporting pillar with 70cm x 70cm x 15cm P.C.C. base in prop 1:3:6 over which 70cm x 70cm x 15cm footing prop 1:2:4 and 30cm x 25 pillar in prop 1:2:4 reinforcement with 12mm dia MS rod @ 15cm C/C on top 1:3 with foundation earth cutting shuttering Curing etc. all complete as per direction (for 200mm dia Pipes)	Rm	880.00	-
4.2	Providing R.C.C. supporting pillar with 70cm x 70cm x 15cm P.C.C. base in prop. 1:3:6 over which 70 c, x 70cm x 15cm footing prop 1:2:4 and 35cm x 30xm pillar in prop 1:2:4 reinforcement with 16mm dia M.S. rod and 6mm dia M.S. stirrups @ 15cm C/C on top including 12mm thick Cement plastering in prop 1:3 with foundation earth cutting Shuttering curing etc. all complete as per direction (for 250 mm dia pipes)	Rm	1287.00	-
4.2	Providing R.C.C. supporting pillar with 100cm x 100cm x 15cm P.C.C. base in prop 1:3:6 over which 100cm x 100cm x 15cm P.C.C. base in prop 1:3:6 over which 100cm x 100cm x 15cm footing in prop 1:2:4 and 40cm x 30cm pillar in prop 1:2:3 reinforcement with 16mm dia M.s. rod @ 15cm C/C/ on top including 12mm with foundation earth cutting shuttering curing etc. all complete as per direction (For 300mm dia pipes)	Rm	1568.00	-
4.2	Extra for the carrying of cement, rod, pipes and fittings (maximum 100mm dia.Size) by head load including proper staking as per direction.	Qtl/Km	16.15	-
4.30 Labour charge for fitting and fixing of C.I. surface box 9as per size as mentioned below on C.C. base(specification mentioned below) including carriage of all material upto 8 km. distance.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
a)	For size 380 mm x 200mm x 230mm			
i)	C.C. 1:3:6 of 58 cm x 40cm 10cm base over which 10cm x 15cm C.C. all round.	Each	253.00	253.00
b).	For size 480 x 200mm x 250,, C/C 1:3:6 of 68cm x 40cm X10 base over which 10cm x 15cm x C.C. all round.	Each	294.00	294.00
c).	For size 590 x 320mm x 370mm C/C 1:3:6 79cm x 52cm X 10cm base over which 10x 15cm C.C, all round.	Each	338.00	338.00
4.3	White washing with lime 3 coats to give and even shade To new works as per specification.	M ²	6.46	-
i)	2 (two) coats	M ²	5.88	-
4.3	Painting wall with water proof cement paint (chekote, Snowcem, or equivalent) to new works including cleaning	M ²		-

	And smoothening to surface complete.			
i)	3 (three) coats	M ²	52.77	-
ii)	2 (two) coats	M ²	42.44	-
4.3	Applying one coat of cement primer on wall surface including cleaning and smoothening of surface etc. complete.	M ²	20.85	-
4.3	Painting two coats with synthetic enamel paint of all Shades on new works to give an even shade, complete.	M ²	62.23	-
4.3	Painting with two coats of plastic emulsion paint over plaster in all shades.	M ²	69.38	-
4.36 Painting to steel works 2 coats with anticorrosive paint including clearing the surface with wire brush all complete as per direction.				
Sl. Description of Works		Unit	Rate in figure (Rs)	
			Garo	Khasi
i)	Interior surface with anticorrosive black bituminal paint.	M ²	19.96	33.65
ii)	Exterior surface with ready mixed aluminium paint.	M ²	58.50	50.50
4.3	Providing stone pitching with one man size boulders not less Than 25cm x 25cm x 30cm long including fitting the Interstices within a distance of 200 metres complete.	M ³	450.00	778.00
b)	Boulders or stone filling with boulders of stone 15cm. size 60cm wide behind the abutment or wing wall (Labour including supply and carriage of boulders within 200 complete.	M ³	427.00	725.00
4.3	Providing and launching boulder sausage with 100 or 25mm Mesh hexagonal sausage wire No. 8 S.W.G. net including tying in position supplying and tying wire No. 8 S.W.G. including the carriage of stones boulders within 200m (sausage wire net 100mm x 125mm hexagonal mesh will be issued fro of cost from the department Godown if available)	RM	368 .00	1037.00
4.3	Clearing the deposited silts the up stream of the intake Structure including moving aquatic plants, weeds, silts, Sand, shrubs, floating boulders, logs etc and spoils upto 30m lead of down stream all complete.	M ³	24.72	24.72
4.4	Temporary diversion of water during, the construction of Wire/Dam with gunny bags filled up with earth including Tying the bags with coconut rope and placing the same in Position as required (including cost of gunny bags)	Each	13.80	-
4.41 Construction of R.C.C. Spring Type chamber including earth work in excavation for foundation with 10cm thick P.C.C. in 1:4:8, 15cm thick R.C.C. base wall and 10cm thick R.C.C. slab in prop. 1:2:4 with 12mm dia T.S. Rod at 15cm C/C in all the cases including shuttering and 12mm thick cement plastering in prop 1:2 with 15mm dia water tap arrangement all complete.				
INSIDE DIMENSION				
			Garo	Khasi
(i)	100 CM X 100 CM X 100 CM	Each	10952.00	14,276.00
(ii)	150 CM X 150 CM X 120 CM	Each	18488.00	24,072.00
(iii)	200 CM X 200 CM X 200 CM	Each	26442.00	29,940.00
4.4	Labour charges for fitting and fixing barbed wire with wooden/R.C.C. post in line and level including straightening with required materials and fitting with nails including supplying all			

	complete as per direction.			
(a)	For 9 (nine) line at 18cm C/C with diagonally bracing	RM	21.18	20.00
(b)	For 12 (twelve) lines at 18cm C/C 9 (nine) lines at verticals, 3 lines at angular & diagonally bracing at vertical & angular.	RM	27.91	24.00
4.4	Providing scaffolding including making necessary Arrangement for supply of Jate bamboo, coconut rope etc. Complete (only for over head Tank above 3mt G.L.	M ²	78.65	78.65
4.4	Drilling Holes 25mm dia into the rock for dowell bars not Less than 75cm deep complete as per direction.	Each Hole	214.00	-
4.46 Labour charge for fitting, fixing Rubber gasket (SSR Quality) to Tyton joint to DI pipe as per direction.				
Sl.	Description of Works	Unit	Rate in figure (Rs)	
			Garo	Khasi
(a)	100mm dia	Each	20.26	-
(b)	150mm dia	Each	22.23	-
(c)	200mm dia	Each	28.31	-
(d)	250mm dai	Each	34.61	-
(e)	300mm dia	Each	37.21	-
4.4	Supplying & fitting fixing M.S. ladder of 40cm wide with M.S. angle bar 216mm M.S. round bars I/C safe ground Casing all complete as per direction.	RM	2630.00	2630.00

**NOTE: The schedule of Rates of Khasi Hills District is for the year 2005-06
And that of Garo Hills District is for the year 2004-05**