

Check List -3.2

DETAIL OF COMPONENTS OF THE PROJECT

Item wise break-up of the total land required					
S. No.	Description of area proposed infrastructure	Length	Width	Total	Unit
1	220/66kV Transformer yard	56.000	12.000	672.000	Sqm.
2	Control Room Building	23.400	17.075	399.555	Sqm.
3	220kV Interconnecting gantry	56.000	3.000	168.000	Sqm.
4	220/66kv GIS Building	34.110	9.110	310.742	Sqm.
5	220kV Outdoor GIS	60.000	13.400	804.000	Sqm.
6	220kV Yard a/with incoming gantries	74.000	23.000	1702.000	Sqm.
7	66kV Gantry for Nadukhar to Gumma	22.000	6.000	132.000	Sqm.
8	66kV Gantry for Nadukhar to Shakrori	13.000	6.000	78.000	Sqm.
9	66kV Outgoing Yard	22.000	11.000	242.000	Sqm.
10	66kV Outgoing Yard	22.000	11.000	242.000	Sqm.
11	66kV Tower for Nadukhar to Gumma	18.000	18.000	324.000	Sqm.
12	66kV tower for Nadukhar to Shakrori	18.000	18.000	324.000	Sqm.
13	66kV ROW (Right of Way) both of Nadukhar to Shakrori & Gumma transmission line	38.000	18.000	684.000	Sqm.
14	Sub-Division Building	15.230	10.700	162.961	Sqm.
15	Store Shed	18.000	8.000	144.000	Sqm.
16	Space for storing Line Material	22.000	8.000	176.000	Sqm.
17	Future bay/ space for storing line material	22.000	11.000	242.000	Sqm.
18	Air Handling Unit	5.730	4.630	26.530	Sqm.
19	Station Transformer	3.000	3.000	9.000	Sqm.
20	DG Set	4.000	2.000	8.000	Sqm.
21	Interconnecting Road	As per detail		1522.500	Sqm.
22	Power & Control Cable Trenches	As per detail		548.360	Sqm.
23	Breast/Retaining Wall	As per detail		1828.300	Sqm.
24	Security Hut	2.50	2.50	6.250	Sqm.
25	Setback/Circulation area	-	-	576.802	Sqm.
		Total		11333.000	Sqm
		1-13-33Ha			

Date:- 20/02/2023

PLACE:- TOTU (SHIMLA)


 Sr. Executive Engineer,
 Electrical System Division,
 HPSEBL, Totu - Shimla -11.

COMPONENT
SUB BREAK-UP.

Detail of Retaining/Breast walls

Sr. No.	Description	Length (m)	Average width (m)	Area (sq. m)
1	Breast wall Along Approach Road	117.000	2.750	321.75
2	Retaining Wall B/W Approach Road and Block-01	105.000	1.500	157.50
3	Retaining Wall B/W Block-02 and Block-01	96.000	1.800	172.80
4	Retaining Wall B/W Block-02 and Block-03	76.000	2.230	169.48
5	Retaining Wall along Boundary line of Block-03 and Block-04	122.815	2.500	307.04
6	Retaining Wall along Boundary line of Block-04	46.231	3.000	138.69
7	Retaining Wall B/W Block-02 Block-04	15.500	1.780	27.59
8	Retaining Wall along Boundary line of 66kV Yard	97.000	2.450	237.65
9	Retaining Wall B/W blocks of 66kV Yard	24.000	2.450	58.80
10	Retaining Wall B/W blocks of 66kV Yard and 220kV yard	50.000	1.500	75.00
11	Retaining Wall along the road of Block-3 and Block-02	108.000	1.500	162.00
				1828.30

Detail of Cable Trenches

Sr. No.	Description	Length (m)	Width (m)	Area (sq. m)
1	Section-1-1	38.450	1.650	63.44
2	Section-2-2	244.410	1.100	268.85
3	Section- 2a-2a	17.500	1.900	33.25
4	Section-2b-2b	60.560	1.100	66.62
5	Section-3-3	166.000	0.700	116.20
				548.36

Detail of Interconnecting Road

Sr. No.	Description	Length (m)	Width (m)	Area (sq. m)
1	Existing Road to Block-01 (5 M Wide)	135.000	5.000	675.00
2	Road in Block-01 (4 M Wide)	74.000	4.000	296.00
3	Road from Block-01 Block-03 (5 M Wide)	52.500	5.000	262.50
4	Road in Block-01 (5 M Wide)	13.000	5.000	65.00
5	Road in Block-03 of 66 kV Yard (3.5 M Wide)	8.000	3.500	28.00
6	Road in Block-03 of 220 kV Yard Excluding within yard block (3.5 M Wide)	2.000	3.500	7.00
7	Road from Block-03 to Block-02 (3.5 M Wide)	45.000	3.500	157.50
8	Road in Block-04 (3.5 M Wide)	9.000	3.500	31.50
				1522.50


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