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Full Title of the Project : Tundah-II Hydro Electric Project.
File No. : FP/HP/HYD/49283/2020.
Date of Proposal : 31/08/2020.

Check List Serial No-32-A.

COMPONENT WISE DETAIL OF TOTAL AREA REQUIRED

1	Name of Component	Dimension (In Meters)	Name of Muhall	Khasra No.	Area Required				Present Laand Use	Legal Status of Land
					Forest Land (In Hactare)	Non- Forest area	Total Area (In Hactare)	Area In Bigha / Biswa		
1	2	3	4	5	6	7	8	9	10	11
1	Diversion Barrage	128.01 X 9.95	Tundah	755/733/3	0.1274	-	0.1274	01-11-10	Charagah Drakhtan	D.P.F. Gowad
		128.01 X 9.95	Tundah	734/1	0.1274	-	0.1274	01-11-10	Gair Mumkin Khad	D.P.F. Gowad
		-	Palan	302/1	0.0101	-	0.0101	00-02-10	Charagah Bila Drakhtan	D.P.F. Harchhu
		-	Palan	304/1	0.1165	-	0.1165	01-08-16	Gair Mumkin Nala	D.P.F. Harchhu
		-	Palan	308/1	0.1117	-	0.1117	01-07-12	Charagah Bila Drakhtan	D.P.F. Harchhu
Total Sr. No. 1		-	-	-	0.4931	-	0.4931	06-01-18		
2	Intake Structure	19.91 X 9.95	Tundah	755/733/4	0.0198	-	0.0198	00-04-18	Charagah Drakhtan	D.P.F. Gowad
Total Sr. No. 2		-	-	-	0.0198	-	0.0198	00-04-18		
3	Water Conductor System									
(i)	Water Conductor System (Between Diversion Structure and Desilting Tank)	244.65 X 4.26	Tundah	755/733/5	0.1042	-	0.1042	01-05-16	Charagah Drakhtan	D.P.F. Gowad
(ii)	Aquaduct	12.80 X 4.26	Tundah	755/733/12	0.0055	-	0.0055	00-01-07	Charagah Drakhtan	D.P.F. Gowad
		19.91 X 4.26	Tundah	735/1	0.0085	-	0.0085	00-02-02	Gair Mumkin Khad	D.P.F. Gowad
Total Sr. No. 3		-	-	-	0.1182	-	0.1182	01-09-05		
4	De-silting Tank	99.56 X 19.91	Tundah	755/733/7	0.1982	-	0.1982	02-09-00	Charagah Drakhtan	D.P.F. Gowad
Total Sr. No. 4		-	-	-	0.1982	-	0.1982	02-09-00		
5	Silt Flushing Channel	17.06 X 5.68	Tundah	755/733/9	0.0097	-	0.0097	00-02-08	Charagah Drakhtan	D.P.F. Gowad
Total Sr. No. 5		-	-	-	0.0097	-	0.0097	00-02-08		

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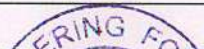
6	Head Race Tunnel (HRT)									
(i)	Head Race Tunnel-I (HRT-I)	210.51 X 4.26	Tundah	755/733/10 / Underground	0.0897	-	0.0897	01-02-04	Under Ground	D.P.F. Gowad
(ii)	Head Race Tunnel-II (HRT-II)	566.11 X 4.26	Sird	Under Ground-1	0.2412	-	0.2412	02-19-14	Under Ground	D.P.F. Kutashan
Total Sr. No. 6					0.3309	-	0.3309	04-01-18		
7	Adit									
(i)	Adit-I	45.51 X 4.26	Sird	Under Ground-2	0.0194	-	0.0194	00-04-16	Charagah Drakhtan	D.P.F. Kutashan
(ii)	Adit-II	110.94 X 4.26	Sird	Under Ground-3	0.0473	-	0.0473	00-11-14	Under Ground	D.P.F. Kutashan
Total Sr. No. 7					0.0667	-	0.0667	00-16-10		
8	Surge Shaft	49.78 X 49.78	Sird	Under Ground-4	0.2478	-	0.2478	03-01-05	Under Ground	D.P.F. Kutashan
Total Sr. No. 8					0.2478		0.2478	03-01-05		
9	Penstock Tunnel	1544.72 X 4.26	Sird	Under Ground-5	0.6580	-	0.6580	08-02-18	Under Ground	D.P.F. Bagdu
Total Sr. No. 9					0.6580		0.6580	08-02-18		
10	Power House	71.12 X 42.67	Sird	Under Ground-6	0.3035	-	0.3035	03-15-00	Under Ground	D.P.F. Bagdu
Total Sr. No. 10					0.3035		0.3035	03-15-00		
11	Switch Yard	71.12 X 31.29	Sird	20/2	0.2225	-	0.2225	02-15-00	Charagah Drakhtan	D.P.F. Bagdu
Total Sr. No. 11					0.2225		0.2225	02-15-00		
12	Access Tunnel to Drop Shaft	51.20 X 5.68	Sird	Under Ground-7	0.0291	-	0.0291	00-07-04	Under Ground	D.P.F. Bagdu
Total Sr. No. 12					0.0291		0.0291	00-07-04		
13	Main Access Tunnel (MAT)	54.05 X 5.68	Sird	Under Ground-8	0.0307	-	0.0307	00-07-12	Under Ground	D.P.F. Bagdu
Total Sr. No. 13					0.0307		0.0307	00-07-12		
14	Tail Race Tunnel (TRT)	190.60 X 4.26	Sird	Under Ground-9	0.0812	-	0.0812	01-00-02	Under Ground	D.P.F. Bagdu
Total Sr. No. 14					0.0812		0.0812	01-00--02		
15	Approach Road									
(i)	Approach Road-I to Barrage Site	476.50 X 4.26	Tundah	755/733/1	0.2030	-	0.2030	02-10-05	Charagah Drakhtan	D.P.F. Gowad

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(ii)	Approach Road-II to Barrage Site	324.31 X 5.68	Palan	302/2	0.1842	-	0.1842	02-05-12	Charagah Bila Drakhtan	D.P.F. Harchhu
		247.50 X 5.68	Palan	308/2	0.1406	-	0.1406	01-14-16	Charagah Bila Drakhtan	D.P.F. Harchhu
		409.66 X 5.68	Palan	308/4	0.2327	-	0.2327	02-17-12	Charagah Bila Drakhtan	D.P.F. Harchhu
		460.86 X 5.68	Palan	308/5	0.2618	-	0.2618	03-04-16	Charagah Bila Drakhtan	D.P.F. Harchhu
		190.61 X 5.68	Palan	312/2	0.1083	-	0.1083	01-06-16	Charagah Bila Drakhtan	D.P.F. Harchhu
		201.99 X 5.68	Palan	312/3	0.1147	-	0.1147	01-08-08	Charagah Bila Drakhtan	D.P.F. Harchhu
		173.54 X 5.68	Palan	312/4	0.0986	-	0.0986	01-04-08	Charagah Bila Drakhtan	D.P.F. Harchhu
		1300.08 X 5.68	Sird	409/2	0.7384	-	0.7384	09-02-16	Charagah Drakhtan	D.P.F. Kutashan
(iii)	Approach Road to Adit -II	301.54 X 5.68	Sird	16/2	0.1713	-	0.1713	02-02-08	Charagah Drakhtan	D.P.F. Kutashan
(iv)	Approach Road to Vertical Drop Shaft	335.68 X 5.68	Sird	1193/17/3	0.1907	-	0.1907	02-07-04	Charagah Drakhtan	D.P.F. Bagdu
(v)	Approach Road to Power House and Tail Race.	1095.24 X 5.68	Sird	20/1	0.6221	-	0.6221	07-14-00	Charagah Drakhtan	D.P.F. Bagdu
		253.18 X 5.68	Sird	1210/1141/673/4	0.1438	-	0.1438	01-15-12	Charagah Bila Drakhtan	D.P.F. Bagdu
Total Sr. No. 15		-	-	-	3.2102	-	3.2102	39-14-13	-	-
16	Store									
(i)	Store - I	-	Palan	308/3	0.3777	-	0.3777	04-13-07	Charagah Bila Drakhtan	D.P.F. Harchhu
(ii)	Store - II	42.67 X 14.22	Palan	308/7	0.0607	-	0.0607	00-15-00	Charagah Bila Drakhtan	D.P.F. Harchhu
(iii)	Store - III	51.20 X 15.64	Sird	16/3	0.0801	-	0.0801	00-19-16	Charagah Drakhtan	D.P.F. Kutashan
(iv)	Store - IV	35.56 X 35.56	Sird	1193/17/5	0.1265	-	0.1265	01-11-05	Charagah Drakhtan	D.P.F. Bagdu
Total Sr. No. 16		-	-	-	0.6450	-	0.6450	07-19-08	-	
17	Ropeway									
(i)	Ropeway Loading & Unloading Point	22.75 X 22.75	Sird	16/4	0.0518	-	0.0518	00-12-16	Charagah Drakhtan	D.P.F. Kutashan
		22.75 X 22.75	Sird	409/7	0.0518	-	0.0518	00-12-16	Charagah Drakhtan	D.P.F. Kutashan
Total Sr. No. 17 (i)		-	-	-	0.1036	-	0.1036	01-05-12	-	-
(ii)	Ropeway Corridor	173.53 X 4.26	Sird	16/5	0.0739		0.0739	00-18-06	Charagah Drakhtan	D.P.F. Kutashan
		152.19 X 4.26	Sird	409/8	0.0648		0.0648	00-16-01	Charagah Drakhtan	
Total Sr. No. 17 (ii)		-	-	-	0.1387	-	0.1387	01-14-07	-	-

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18	Magazine									
(i)	Magazine Site	56.89 X 56.89	Sird	1193/17/1	0.3236	-	0.3236	04-00-00	Charagah Drakhtan	D.P.F. Bagdu
(ii)	Magazine Guard Hut	7.11 X 7.11	Sird	1193/17/2	0.0051	-	0.0051	00-01-05	Charagah Drakhtan	D.P.F. Bagdu
Total Sr. No. 18		-	-	-	0.3287	-	0.3287	04-01-05	-	-
19	Muck Dumping Sites									
(i)	Muck Dumping Site No.-I (Along the Road to Barrage Site)	42.67 X 14.22	Tundah	755/733/2	0.0607	-	0.0607	00-15-00	Charagah Drakhtan	D.P.F. Gowad
(ii)	Muck Dumping Site No.-II (Along Water Conductor System)	71.12 X 9.95	Tundah	755/733/6	0.0708	-	0.0708	00-17-10	Charagah Drakhtan	D.P.F. Gowad
(iii)	Muck Dumping Site No.-III (Near De-silting Tank)	64.00 X 17.06	Tundah	755/733/8	0.1092	-	0.1092	01-07-00	Charagah Drakhtan	D.P.F. Gowad
(iv)	Muck Dumping Site No.-IV (Near Outlet Point of HRT-I)	35.56 X 12.80	Tundah	755/733/11	0.0455	-	0.0455	00-11-05	Charagah Drakhtan	D.P.F. Gowad
(v)	Muck Dumping Site No.- V (Along the Road to Barrage Site)	-	Palan	308/6	0.2078	-	0.2078	02-11-07	Charagah Bila Drakhtan	D.P.F. Harchhu
(vi)	Muck Dumping Site No.- VI Installation of temporary portable stone for bonafide use (Along the Road Near Barrage Site)	-	Palan	312/1	0.5254	-	0.5254	06-09-17	Charagah Bila Drakhtan	D.P.F. Harchhu
(vii)	Muck Dumping Site No.-VII (Along the Road to Barrage Site)	56.89 X 42.67	Sird	409/1	0.2427	-	0.2427	03-00-00	Charagah Drakhtan	D.P.F. Kutashan
(viii)	Muck Dumping Site No.-VIII (Along the Road to Barrage Site)	56.89 X 34.13	Sird	409/3	0.1942	-	0.1942	02-08-00	Charagah Drakhtan	D.P.F. Kutashan
(ix)	Muck Dumping Site No.-IX (Near Adit-I)	99.56 X 35.56	Sird	409/4	0.3540	-	0.3540	04-07-10	Charagah Drakhtan	D.P.F. Kutashan
(x)	Installation of temporary portable stone for bonafide use	56.89 X 35.56	Sird	409/5	0.2023	-	0.2023	02-10-00	Charagah Drakhtan	D.P.F. Kutashan
(xi)	Muck Dumping Site No.-XI (Along the Road to Barrage Site)	85.34 X 51.20	Sird	409/6	0.4369	-	0.4369	05-08-00	Charagah Drakhtan	D.P.F. Kutashan
(xii)	Muck Dumping Site No.- XII (Near Adit-II)	113.79 X 56.89	Sird	16/1	0.6474	-	0.6474	08-00-00	Charagah Drakhtan	D.P.F. Kutashan
(xiii)	Muck Dumping Site No.-XIII (Along the Road to Dropshaft)	106.68 X 35.56	Sird	1193/17/4	0.3794	-	0.3794	04-13-15	Charagah Drakhtan	D.P.F. Bagdu
(xiv)	Muck Dumping Site No.- X IV. Installation of temporary portable stone for bonafide use (Near Power House).	-	Sird	20/3	0.6027	-	0.6027	07-08-19	Charagah Drakhtan	D.P.F. Bagdu
(xv)	Muck Dumping Site No.- X V (Along the Road to Power House & Tail Race)	122.32 X 17.06	Sird	20/7	0.2087	-	0.2087	02-11-12	Charagah Drakhtan	D.P.F. Bagdu
Total Sr. No. 19		-	-	-	4.2877	-	4.2877	52-19-15	-	
20	Construction of 33KV Transmission Line From Proposed Power Plant upto Interfacing Point at Lahal									
(i)	Two Pole Structure for the construction of 33KV Transmission Line).	15.64 X 9.95	Sird	1193/17/7	0.0156	-	0.0156	00-03-17	Charagah Drakhtan	D.P.F. Bagdu
		15.64 X 9.95	Sird	1193/17/9	0.0156	-	0.0156	00-03-17	Charagah Drakhtan	D.P.F. Bagdu
		15.64 X 9.95	Sird	20/5	0.0156	-	0.0156	00-03-17	Charagah Drakhtan	D.P.F. Bagdu
		15.64 X 9.95	Sird	20/9	0.0156	-	0.0156	00-03-17	Charagah Drakhtan	D.P.F. Bagdu

		15.64 X 9.95	Sird	1210/1141/673/2	0.0156	-	0.0156	00-03-17	Charagah Bila Drakhtan	D.P.F. Bagdu
		15.64 X 9.95	Lahal	1488/1484/411/2	0.0156	-	0.0156	00-03-17	Charagah Bila Drakhtan	D.P.F. Lahal
Total Sr. No. 20 (i)		-	-	-	0.0936	-	0.0936	01-03-02	-	
(ii)	Right of Way / Corridor for the construction of 33KV Transmission Line.	71.81 X 15.64	Sird	1193/17/6	0.1123		0.1123	01-07-15	Charagah Drakhtan	D.P.F. Bagdu
		190.60 X 15.64	Sird	1193/17/8	0.2981		0.2981	03-13-14	Charagah Drakhtan	D.P.F. Bagdu
		59.40 X 15.64	Sird	1193/17/10	0.0929		0.0929	01-02-19	Charagah Drakhtan	D.P.F. Bagdu
		180.72 X 15.64	Sird	20/4	0.2826		0.2826	03-09-17	Charagah Drakhtan	D.P.F. Bagdu
		71.81 X 15.64	Sird	20/6	0.1123		0.1123	01-07-15	Charagah Drakhtan	D.P.F. Bagdu
		63.38 X 15.64	Sird	20/8	0.0991		0.0991	01-04-10	Charagah Drakhtan	D.P.F. Bagdu
		59.14 X 15.64	Sird	20/10	0.0925		0.0925	01-02-17	Charagah Drakhtan	D.P.F. Bagdu
		106.08 X 15.64	Sird	1210/1141/673/1	0.1659		0.1659	02-01-00	Charagah Bila Drakhtan	D.P.F. Bagdu
		18.75 X 15.64	Sird	1210/1141/673/3	0.0293		0.0293	00-07-05	Charagah Bila Drakhtan	D.P.F. Bagdu
		35.19 X 15.64	Sird	1210/1141/673/5	0.0550		0.0550	00-13-12	Charagah Bila Drakhtan	D.P.F. Bagdu
		30.01 X 15.64	Lahal	1/1	0.0469		0.0469	00-11-12	Gair Mumkin Khad	D.P.F. Lahal
		64.56 X 15.64	Lahal	1488/1484/411/1	0.1010		0.1010	01-04-19	Charagah Bila Drakhtan	D.P.F. Lahal
		122.32 X 15.64	Lahal	1488/1484/411/3	0.1913		0.1913	02-07-06	Charagah Bila Drakhtan	D.P.F. Lahal
		7.76 X 15.64	Lahal	415/1	0.0121		0.0121	00-03-00	Charagah Drakhtan	D.P.F. Lahal
Total Sr. No. 20 (ii)		-	-	-	1.6913	-	1.6913	20-18-01		
Total Sr. No. 20 (20i + 20ii)		-	-	-	1.7849	-	1.7849	22-01-03		
GRAND TOTAL (Sr. No. 1 to 20		-	-	-	13.3082	-	13.3082	164-11-01		-

Date :- 31.08.2020.

Place : BHARMOUR.

[Signature]
Range Forest Officer
Swai (Garola)

[Signature]
Range Forest Officer
Bharmour Forest Range
Bharmour

[Signature]
SAI ENGINEERING FOUNDATION
NEW SHIMLA
171009
(H.P.)
(Vinay Barwal)
Authorised Signatory
Sai Engineering Foundation

[Signature]
Divisional Forest Officer
Bharmour Forest Division
Bharmour (H.P.)