

- The Chief Environment Specialist, Uttam Bhawan, Dogra Lodge Near-103 Tunnel, Shimla-4, for information and with the request for uploading the same in HPPCL web site please.
- The General Manager, IKHEP, Kinfed Bhawan , Reckong Peo, (Kinnaur), for information please
- The Addl. General Manager (CP), HPPCL, Himfed Bhawan, Panjri, Shimla-5., along with Annexures, for information please.
- The Divisional Forest Officer Kinnaur, at Reckong Peo, Kinnaur for information please.
- The Sr. Environment Engineer, Himachal Pradesh State Pollution Control Board Rampur, Distt Shimla, for information please.

Point wise reply

Sr. No

- 1. Component wise construction status of IKHEP Stage I, II &III is enclosed as annexure. A
- 2. CAT plan implementation completed on priority basis. Progress of CAT works Funds spent by Sr. No Funds released Details of the Area covered by the project the forest engineering by the authority till department till works done till Plantation and date of date date no plants raised Rs 13.03 cr. Rs 1,96,32,000/-Out of Total 1 Copy enclosed up to 2014-15 as Annexure-B area of 110 ha. 3^{rd} in 45+20=65 ha of and area is covered quarter of FY-2015-16 and Rs.77,16,772/-Maintenance on 45 Ha as per through DFO Kinnaur the Compliance and Rs.4,24,500/received from By DFO wild HP Forest Dept. life Division and in totality Rs. 2,73,48,772/-DFO Kinnaur, i.e. Rs.2,77,73,272/-
- 3. Physical and financial Progress about the implementation of the R&R scheme is enclosed as Annexure-C.
- 4. Updated information on the project in 13 point data sheet is enclosed as Annexure-D.

5. Environmental monitoring report containing all the parameters of Monitoring water quality samples for drinking and waste, Air quality and Noise quality samples have been carried out in the month of June, 2015 and Sept 2015 at various sites of IKHEP and the various parameters were analyzed i.e. pH, colour, taste, odor, Turbidity TDS, total hardness CaCO3, Alkalinity as CaCO3, Chlorides, Residual free chlorine, Ca, Mg, Nitrate, Floride Sulphate, iron Copper, Manganese, Mercury, Cadmium and Zinc. For drinking water and pH, TSS, oil and grease, COD and BOD,3 days and Total residual Chlorine.

Various parameters of air quality i.e. particulate matter PM_{10} , particulate matter $PM_{2.5}$, suspended Particulate matter Sulphur Dioxide, Nitrogen dioxide, Carbon Monoxide& Ammonia as NH3 were monitored/analyzed **and found within the National Ambient Quality Standards of CPCB.** Copies of the reports are enclosed as **Annexure-E.**

- 6. Medical facilities through contractors to the workers:-Project proponent has established a dispensary at Project Site i.e. Reckong-Peo which is being run by its main contractor i.e. M/S HCC and first Aid facility is being provided/made available at every Construction site by both the Contractors i.e. M/s HCC and Patel Engineering, along with Ambulance vehicle. Time to time medical camps are being organized by the Project proponent in PAA and dispensary opened in Reckong-Peo to facilitate PAA/PAZ's (24 X 7) around the clock. And apart from this Medical fund i.e. 0.05% of the total project cost has been earmarked on account of the medical fund management committee for reimbursement of medical expenses to PAFs in hardship due to illness or in extreme illness or Accident cases. As on date Rs 2, 15,987/- has been disbursed among 18 PAFs.
- As on date create wire / protections works were raised at various locations of IKHEP stage- I, II & III.

Power House site -(8334+(475 in Jan 2015)(240 in Jan to march 2015))=9049 Nos.

Intake site.-(35 + 221 + 75) = 331 Nos

IPS site(281+127=408) Nos

i.e 9,788 Nos of create walls were constructed at various sites of IKHEP and Protection works i.e construction of Create walls at Intake and IPS is in progress.

8. In present scenario, the excavations of intermediate pressure shaft and power house complex have already been completed and we are not disposing of any muck in these

dumping sites and the main contractors have been advised to start the restoration work before handing over to the HP Forest department but due to unprecedented torrential rainfall on dated 16th and 17th during June 2013,and heavy snow fall in the month of Feb. & March 2014 all the roads leading to project sites were damaged. In the month of July 2013 a slip triggered in village Pangi and old HT road, which again activated in the Month of Feb. 2015 & March 2015 due to heavy snow fall & started sliding down to NH & Power House road. Due to which about 200 m stretch of road leading to Intermediate Pressure Shaft (IPS) was totally sunk and there was continuous stone shooting in the area from august onwards and movement of man power etc was not possible and was disturbed totally. Due to which restoration works of dumping sites at power house were hampered. After restoration of IPS road through PWD , cost of which was borne by HPPCL the construction works of IPS were resumed and is on full swing.

- 9. Details of allocation of funds for different Environment management plan along with utilization of funds is as under;
 - Rs1303.0 lacs against CAT plan
 - Rs. 33.67 lacs. against compensatory afforestation (CA) of Stage-I and & Rs1,19,57,406 /-against stage-II&III
 - Rs. 42 lacs against fisheries management plan.
 - 111.37/- lacs under Environment Monitoring to the HPSPCB.

10. Physical and financial progress report of compensatory afforestation

Sr. No	Funds released by	Funds spent by the	Area covered in
	the project	forest department	the Plantation and
	authority till date	till date (Rs)	no. of plants
	(Rs.)		planted till date
Stage -I	33,66,650	20,95,280	38 ha (copy
			enclosed as
			Annexure-F).
Stage II &III	Rs1,19,57,406	U.C. not received	36 Ha of land is to

	be planted	under
	CA. Fund di	verted
	to Rampur	circle
	due	to
	unavailability	of
	suitable lan	d in
	Kinnaur Circl	e

- 11. Out of the Integrated Kashang HEP 243 MW share i.e. 105 lacs, 2 installments of the above share 42 lacs (21 lacs each)were deposited with the Director cum Warden fisheries Himachal Pradesh, HPPCL is continuously pursuing the case with the Directorate of Fisheries, for development towards fisheries schemes and to issue the necessary utilization certificate, which is still awaited.
- 12. Information about labour engaged by Main contractors and fuel supplied by the contractor.

Year /periods	No of labourers	Quantum of free	Financial
	engaged with	fuel supplied or	expenditure
	contractor i.e.(M/s	subsidy provided	incurred in (Rs)
	HCC)		
April			
	400		
		45	1837.5/ cly.=82,687.5
May	414	38	69,825.50
June	412	59	1,08,412.50
July	405	42	77,175.00
August	408	40	73,500.00
September	410	53	97,387.50
Total	2049	277 LPG cylinders	Rs. 5,08,988.00

13. Information about the medical checkup by the different contractors, expenditure incurred on medicines

Year /periods	No of labourers	Expenditure	Expenditure
	checked up	incurred on	incurred on
	Contractor wise	providing	providing other
		medicines	facilities (in Rs)
From April to	April. 2015 to	1,00,872/-(April to	6,21,745/-(Aprox.)
June 2015 (by M/s	June2015.,=391Nos.	Sept.2015)	
HCC ltd.)	July2015 to Sept.		
	2015 =318 Nos		
Apart from the pre	medical examination	of workers medical to	eam comprising of 1
doctor, 2 compound	er 2 senior nurse and	1 nurse and 3 attend	dant along with the
ambulance are deplo	byed at the site with all	l medical facilities.	

- 14. Social welfare measures and other schemes being run for the locals and project affected people enclosed as Annexure-C
- 15. Copy of news paper cutting of the advertisement is enclosed as Annexure-.F
- 16. In Integrated Kashang HEP stage-I, II &III, diversions of River / Khads are yet not undertaken and water is flowing through its natural course. Moreover, HPPCL is committed to release15% minimum Ecological Flow / downstream discharge after the commissioning of the IKHEP.

NOP Agency Sub.:-		Kashang HEP Stage-I(65 MW) M/S HCC Progress of Main Components.		(DAILY PR	OGRESS REP	ORT	C, port Fo Sent on	30.9.15 1.10.15	
									Upto date progres	is	
tem No.	Sr.No. (as per L2 schedule)	Description of activity (as per L2 Schedule)	Unit	Total Qty. (BOQ /Drawing)	Progress upto previous month	Target for the month	Progress during the day	progress during the month	Progress upto date	Total Balance quantity (up to date)	Remarks.
L							IKHEP-	Stage-I			
	1	-				D	iversion work	cs and Intake	9		
1		Trench Weir									
	1.1	Wire Crate	Nos.	130	55.00		•		55.0	75.0	
1	1.5	Control Building	-								Brick work is in progress for 2 K.L. oil tank.
	1.6	Concreting	Cum	224	224.00				224.0	0.0	24 m drilling done for inclinometer.
2		Conveyance Channel			-						
	2.2)	Concreting	Cum	1812	1740			3.50	1743.8	68	-
3		Desanding arrangement					,				SFC-Excavation work is in progre for CC block and cut off.
	3.1)	Open excavation(boulder removal,soft & hard rock)	Cum	31412	31401		•		31401	11	for CC block and cut off.
	3.2	Concreting	Cum	4265	4256				4255.58	9	
	3.3]	Wire Crate (in Drop shaft)	Nos.	40					0.00	40	
5		Head Race Tunnel									
	5.7	Concrete lining towards Intake end									
	4	1) Lining in Invert	Rm	1113.0	1113	20			1113.00	0.0	
		2) Lining in Overt.	Rm	1113.0	1113				1113.00	0.0	
	5.8	Concrete lining toward Balancing reservoir end from HRT adit									-
		1) Lining in invert	Rm	881.0	867.00				867.00	14.0	
6	(i)	Balancing reservoir			1						
		Benching in adit to BR	Rm	28	25.5				25.5	2.0	ABR- 8 No.rock bolts of 25mm did
		Overt lining in adit to BR	Rm	39	37.5200		•		37.520	1.900	5m long & 8 No. rock anchors of
		Wall lining in ABR	Rm	40	0.0000	40		24.000	24.000	16.000	32mm dia 5m long installed.

	Sr.No. (as per	2000		Jotal Qty.	Progress upto	Target for th	e Progress during the		Upto date progres	15	
tem No.	L2 schedule)	Description of activity (as per L2 Schedule)	Unit	(BOQ /Drawing)	previous month		day	progress during the month	Progress upto date	Total Balance quantity (up to date)	Remarks.
	6.8	Concrete lining in connecting tunnel					-				
		1) Invert lining	Rm	10	8.50				8.5	2	
		2) Overt lining	Rm	10	9.0				9.0	1	
	6.9	Excavation of Flushing Drift	Rm	918	0			•	0.0	918	
		Excavation of Flushing Drift form Adit-1 toward D/s (Face-1)	Rm	16	16			1999 - B	16.0	0	
		Excavation of Flushing Drift form Adit-1 toward u/s (Face-2)	Rm	180	12	20	0.5	10.0	21.5	159	
		Excavation of Flushing Drift form Adit-2 toward U/s (Face-3)	Rm	189	80	20		6.50	86.25	103.065	
		Excavation of Flushing Drift form Adit-2 toward D/s (Face-4)	Rm	186	96	20	0.50	8.50	104.00	82.00	
		Exc. Of adit to flushing drift (ADIT No3)	Rm	68	3.5			-	3.5	65	
-		Exc. Of adit to flushing drift (ADIT No4)	Rm	25	3.5		*.		3.5	22	
	6.1	Concrete lining in BR				4					
		1) Wall (from EL 2824.5 to 2821.5)	Rm	720	712.5		1.50	7.5	720.0	0.0	BR- 18 cum concrete laid in end reach wall in final lift .
_		3) Invert	Rm	360	360				360.0	0.0	Brick work is in progress in Contro
7		Valve house & top Hz.Pr.Shatt		1							room near valve chamber.
	7.2	Valve chamber Concreting	Cum	181.0	224			•	223.5		and the second
8		Pressure Shaft								F	
	8.10	Errection & lesting of Ferrules.									
		a) Top Hz. Portion	Rm	35.0	22.15			12.80	34.95	0.0	
		b) Upper Inclined limb	Rm	462	462		•		462.0	0.0	Matching of ferrule completed
		c) Lower Inclined limb	Rm	528	523.8			6.3	530.05	-2.05	welding arrangements are beir made.
		d) Horizontal Portion at Intermediate Adit	Rm	65	7	63	•	36	43.3	22	
		e) Horizontal Portion at Bottom mainfold & unit Penstock.	Rm	230.0	227.50		•	2.5	230.00	0.0	
1	8.11	Backfill concrete.	Rm	1321.0	1227	63		7.5	1235	87	and the second sec

			4		4	4			Upto date progres	.55	
.0.	Sr.No. (as per L2 schedule)	Description of activity (as per L2 Schedule)	Unit	Total Q((BOQ /Drawing)	Progress upto previous month		he Progress during the day	progress during the month	Progress upto date	Total Balance quantity (up to date)	Remarks.
9		Power House cavern									BPS-54 cum M:20 concrete laid backfill of ferrules.
	9.10)	Concrete in P / H Super structure	Cum	2482.0	2482.00			-	2482	0.0	Control BldgOil
	9.11)	Concrete PH sub structure	Cum	3559.5	3559.5			•	3559.50	0.0	distemper/Snowcem work is in progress at El. 1998.40m(1st coc Oil sump- Steel R/F work for wal
10		Transformer Hall		-							completed.
	10.9)	Lining of bus duct & cable cum ventilation tunnel								a de la compañía de la	F.F. Tank- Cutting of base plate for tank is in progress.
		ii) Bus duct-II				1					MAT- 6 cum concrete laid in RH
		Lining in Wall	Rm	35.0	35.0		-	-	35.00	٥.0 ب	of wall lining from RD 0.90m to R
		Lining in Overt	Rm	35.0	35.0			•	35.00	0.0	-
		Lining in Invert	Rm	35.0	35.0				35.00	0.0	19.60m upto Springing level.
11	-	TRT									
	11.3)	Concrete lining & backfill									Combined TRT-Overt shuttering
		1) Lining in Walls	Rm	358.0	356	2.0		2.00	357.56	0	from RD 15.5 m to 10.5 m
		2) Lining in Overt	Rm	134.0	104.8	30.0		20.00	124.75	9.3	completed.
		3) Lining in Invert	Rm	358.0	251.5	94.0	* .	55.00	306.50	51.5	
12		Pot Head Yard	*								
		Concrete	Cum	400	367			•	367.33	32.7	
			Total (Exc	cavation Rm)	1	60.00	1.00	25.00			
			Total (Exc	cavation in Cu	.um)		· · ·				
			Total Linir	ng (Concrete	in RM)	95.00	1.50	92.00			*
			Total Ferr	rule Erection (i	(in RM)	63.00		45.00			
			Total (Cc	oncrete in cun	m)			3.5			

Sr.Manager (Monitoring) Himfed Building, Tutikandi Shimla-5, Fax-0177-2633822 Sr. Manager (Monitoring) IKHEP,HPPCL, Kinfed Building, Reckong Peo

Asstt. Engineer (Monitoring) IKHEP, HPPCL, Kinfed Building ,Reckong Peo

ame of	Name of	Name of	Name of	Name of	Name of	Name of	Norm per	Phy. (Ha.)	Amount	GPS Loca	tion (In		Achievement	Achieveme		G. Total	
ivision	CAT Plan	Componen	Range	Block	Beat	Area	Unit	/ No.)	(Rs.)	Lat.	Long.	up to 30.	06.2015	30.09.2015			
	2	3	4	5	6	7	8	9	10	11	12	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
٧L	Kashang	NTFP/ Me	edicinal Pla	ints								13	14	15	16	17	18
arahan		i) Raising of NTFP / New Plantataion.	Sangla	Sangla	Asrang	Lippu Kanda	73900	5	369500	N 31 ⁰ -55'- 570"	E 078 ⁰ -60'- 490"	0	0	0	0	0	0
		ii) Raising of NTFP / New Plantataion.				Sharhansha Kanda	73900	5	369500	N 31 ⁰ -40'- 580"	E 078 ⁰ -16'- 995"	0	0	0	0	0	0
		Total Plant	ation and M	aintenance:				10	739000			0	0	0	0	0	0
		Soil Stabilizati on															
		i) Treatment of Nallah	Sangla	Sangla	Asrang	Thong Predgrang Nallah	L/S	L/S	500000	N 31 ⁰ -40'- 359"	E 078 ⁰ -17'- 070"	0	0	Meterial cost	102750	0	102750
		ii) Treatment of Land slip	Sangla	Sangla	Asrang	Sharhansha slip part-I	L/S	L/S	500000	N 31 ⁰ -40'- 224"	E 078 ⁰ -17'- 190"	0	0	Meterial cost	102750	0	102750
		/ slides.				Sharhansha slip part-II	L/S	L/S	500000	N 31º-40'- 427"	E 078 ⁰ -17'- 051"	0	0	Meterial cost	102750	0	102750
						Teporang slip	L/S	L/S	500000	N 31 ⁰ -40'- 851"	E 078 ⁰ -17'- 507"	0	0	Meterial cost	102750	0	102750
		Total :-							2000000			0	0	0	411000	0	411000
		Support to Sustainabl e Mountain Livelihood <u>s.</u>	Sangla	Sangla	Asarang	Generator, Mike Street solar light village of Sanctuary.	L/S	L/S	500000	0	0	0	0	0	0	0	0
		Total :-							500000	0	0	0	0	0	0	0	0
			ure and Dev Sangla	elopment. Sangla	Asarang	I/ Hut		1	250000	N 31 ⁰ -39'-	E 078 ⁰ -18'-	0	0	0	0	0	0
		buildings.	Sangia	Sangia	Asarang	Asrang		1	250000	900"	859"	0	0	0	0	0	Ū
		Repair of paths / roads / bridges.	Sangla	Sangla	Asarang	Asarang Bus Stands		1	150000	N 31º-39'- 900"	E 078 ⁰ -18'- 859"	0	0	0	0	0	0
						Repair of B/path Porang to Wari.	Kms.	8	500000	N 31º-41'- 068"	E 078 ⁰ -17'- 264"	0	0	0	0	0	0
		Total :-		1		···			900000	1		0	0	0	0	0	0
		Rural of Ru	ıral Infrastr	ucture.	1	1				1		1				1	
		C/o Bawari / Dhobi	Sangla	Sangla	Asarang	Onchalang Lippa		1	500000	N 31 ⁰ -38'- 600"	E 078 ⁰ -22'- 309"	0	0	0	0	0	0

C/o P/wall	7	1		C/o P/Wall		1	300000	N 31 ⁰ -40'-	E 078 ⁰ -18'-	0	0	0	0	0	0
				near Both				140"	700"						
				Mandir at											
				Tokto.											
	-			Repair of	L/S	L/S	200000	N 31 ⁰ -39'-	E 078 ⁰ -19'-	0	0	0	0	0	0
				path Asrang				995"	409"			-	-	-	
				to Badka											
				Gaim.											
Total :-							1000000			0	0	0	0	0	0
Total inf.							1900000			0	0	0	0	0	0
Dev.:-										-	-	-	-	-	Ĩ
Wildlife Pı	totection .														
Engagemen	Sangla	Sangla	Asarang	Lippa-	380	213	80000	0	0	0	0	60 M/ Days	13500	0	13500
t of Anti				Asrang WL	M/Days										
poaching				Sanctuary.											
 Total :-							80000	0	0	0	0	0	13500	0	13500
G. Total :-								0	0	0	0	0	424500	0	424500

Divisional Forest Offier,

	1437/5	•	1437/3	4	9	9	500000	3 5	Total Nursery Development:	Disul	Π
	34044		113075	•				c	Distribution of seedling to people	7	Τ
	0	•	0	0	0	₽			Maintenance of nursery	Maint	
	0	0	0	0	0	0	-		Extension of nursery	Exten	
	0	0	0	0	0	0	0	0	raising of plants	raisin	Γ
	0	0	0	0	0	0	0	9	Raising of nursery	Raisi	Г
	143975	0	143975	0	0	0	500000		Nursery Development	Nurs	w
				witter				+		+	1
				-				-	Total Pasture:		
	0	•	0	•	•				Maintenance of pasture:	Mai	
	0	0	0	0	<u> </u>				Low lying pasture	Low	
	0	0	0	0	-				Alpine pasture	Alp	—
	0	0	0	-	-	-	>	-	Pasture Development	2 Pas	
			TOOMAT	16	0	0	1010300	65	Grand total of Afforestation & maint.:		-
	104881	16	43900	16	0	0	118300	45	Total maintenance :		
	43900	1	0	0	0	0	0	0	Treatment of culturalable waste land	Tr	
	0			0	0	0	0	0	Raising of NTFP Plantation	Ra	-
	0			0	0	0	66300	25	Enrichment afforestation	En	-
	0			0	0	0	0	0	Assisted Natural Regeneration	A	ų
	0	2 10	43900	16	0	0	52000	20	Afforestaton of degraded forest	A	
	43900	12							Maintenance of Afforestaton:		
	00/00	-	60981	0	0	•	892000	20	Total Afforestaton :	-	
	60081		0	0	5	2	0	0	I reatment of culturalable waste land	1	
			0			0	491000	10	Raising of NIFP Plantation		
	0		60981	0			401000	10	Decision Commentation		
	60081		0						Ensister Ivatural Regeneration		
		0	0		,				A seisted Not degraded forest	Ι	
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	10	6	8	Phy.	Fin.	Phy.	T,		Affenset 2	- •	
	Fin.	Phy.	quarter.	gui	uarter.		1	Phy		-	
			Target action during the	Target	¹ arget achieved upto previous	upto	year 2015-16	yea			
Remarks	Total Progress	Total	chieved	8 20-7	0.	at Reckong Peo.	Tarpet for the	Ta	o. Component	No.	
		ct of NI	Quarter ending 20 0-2015 in respect of Killian	- 30 0-20	Irter endin	the qua	T Plan for	ing CA		Sr	
Forest Division	manr Fore								jual lering progress Report of Integarted Variation	~	
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Agriculture support Horticulture support		0	0	0	0	0	5			
Horticulture support		0	0	0	0	0	0	0	0	
	-	0	0	0	0	0	0	0	0	
Animal Husbandry Support		0	0	0	0	0 .	0	0	0	
Research & Study		0	0	0	0	0	0	0	0	
Total Other activities:	activities:	0	0	0	0	0	0	0	0	
Gr		127 2	22770800	0	0	366	7716772	366	7716772	•

Scanned by CamScanner

T Divisional forest Officer, Kinnaur Forest Division, At Reckong Peo-172107

Sr.	us of details of expenditure under R&R activities carried out R&R and other activities	Total Amount	Balance Amou
No.			
1	Luna compensation	45,38,52,964	536523
2	Financial Assistance in Lieu of Forest Customary Rights to 510 PAF's.	3,76,40,250	
3	R&R Grants	89,47,087	
4	223 No. Works awarded to 38 Contractors (w.e.f year 2008 to 31-08- 2015)	13,42,96,589	
5		7,78,10,000	27
6	Damage Compensation		-
i	Compensation for Cracks in houses (151Families)	25,00,000	
	Additional Compensation for Cracks in houses	80,00,000	
ii	Damage Compensation (5 No. Families)	18,95,873	· · ·
7	R&R Activities		
i	Training & Awareness Camps (18 No.)	4,27,671	-
11	Merit & Support Scholarship (26+46+32+38+31+28=201 No.)	15,82,800	
111	School Competition (10 No.)	67,898	
	Sports Tournament (5 No.)	1,01,406	
iv	Varshik Mela (3 No.)	3,10,667	
V	Project level Medical Fund Scheme	2,15,987	
vi			
	(18 beneficiaries) Grant to CBO (Community based Organization)	80,000	
vii		72,77,29,192	
	Total	12,11,23,132	
8	Other benefits extended to MPAF's & PAF's of Pangi		
	Village under R&R Programme.		
i	Sponsored Candidates in various ITI of Himachal Pradesh	12 77 602	
	(42 No.)	12,77,693	
ii	Indirect Employment in HPPCL through outsourced (3,23,95,770	
	w.e.f year 2008 to 31-03- 2015) 51+14=65		
	Employment in HCC -106		
11.12	Employment in M/s Patel Engineering -46	-	
	M/s Adriz Hydro -11		and the second second
III	22 Vehicle hired in IKHEP from Pangi village		
	(w.e.f year 2008 to 31-08- 2015)	1,26,99,266	
9	Other Misc. welfare works		
i	Donation of 4 No .Trees for Construction of Devta Mandir at Village Pangi	7,12,187	
11	Installation of street Light in different location of village Pangi (9 No.)	1,88,235	
111	Purchaseing & istallation of Additional 25 No. Solars Light	4,77,925	
iv	Distribution and laying of HDPE Pipe line to local people for irrigation purpose	30,40,277	
v	water supply line from intake site to village pangi (7.08 KM)	43,19,561	
-	Plots (5 Biswa each for 7 families)	36,40,000	-
-	Construction of community Hall	WIP	
-	Construction of PHC	WIP	
-	Construction of Police Chowki	WIP	
-	Total	5,87,34,944	h
	LIDIAL		and the second se

Br: Manager (B & R). Integrated Kashang HEP HPPCL, Reckong Peo.

Enginese (Invironment) Integrated (Ashang HEP, HPPCL, Recking Peo. Distt. Kinnaur-172107

	Ministry of I	Environment and Forests
		gional office Dehradun
-		ATA SHEET
1	Project Type	Hydro Electric Project
2	Name of the Project	Integrated Kashang Hydroelectric Power Project Stage-I, II & III(243MW)
3	Clearance letter (S) O.M NO. &dates	Environment clearance for Integrated Kashang HEP vide letter No. J-12011/81/2007-IA.1 dated 16/04/2010. Environment clearance for Kashang HEP (66 MW) letter No. J-12011/13/2002-IA.1 dated 15/11/2002. Forest Clearance for Stage –I vide letter NO. F- No.8-8/2001-FC dated 23 rd June 2004. Forest Clearance for Stage II & III vide letter No. F- No.9HPC366/09-CHA dated 14 th June 2011.
4	Location: a)District (S) b)State (S) c) Latitudes/Longitudes	Kinnaur Himachal Pradesh Latitude: 31° 37' 30" N to 31° 39' 21.3" N Longitude: 78° 17' 30" E to 78° 21' 36.4" E
5	Address for correspondence:	General Manager, Integrated Kashang HEP, Kinfed Building, HPPCL, Reckong Peo, Distt. Kinnaur.
6	Salient features: a) Of the Project b) Of the Environmental Management plans	Integrated Kashang Hydroelectric Project is proposed for development using waters of Kashang and Kerang streams, right bank tributaries of river Sutlej. The project is located in Kinnaur district of Himachal Pradesh and is owned by HPPCL, Kashang and Kerang river valleys are adjacent to each other and are separated by a high altitude ridge in the area of the project. Topographic features permit diversion of Kashang khad at an altitude of roughly 2830 m to an underground powerhouse located on the right bank of Sutlej river, developing a head of approximately 830 m. Topographic and geological features between Kerang and Kashang valleys are also conducive to diversion of Kerang khad, which has higher inflows than Kashang, into the Kashang water conductor system for significant augmentation of generating capacity at Kashang powerhouse.

The proposed Integrated Kashang Project comprises of four distinct stages of development:
• Stage-I, comprising of diversion of the Kashang stream, at El. 2829 m, to an underground powerhouse located on the right bank of Sutlej near Powari village, developing a head of approximately 830 m;
• Stage-II, comprising of diversion of the Kerang stream, at El. 2870 m, into an underground water conductor system leading the upstream end of Stage-I water conductor system;
• Stage-III, consisting of augmenting the generating capacity of Stage-I powerhouse using Kerang waters over the 830 m head available in Kashang Stage-I powerhouse.
 Stage-IV, comprising of more or less independent scheme harnessing the power potential of Kerang stream upstream of the diversion site of Stage-II. In this scheme, a head of approximately 300 m could be utilized to develop power in an underground powerhouse located on the right bank of Kerang
The following components of EMP are being implemented:-
 Catchment Area Treatment Plan. Implementation of Resettlement & Rehabilitation Plan. Compensatory Afforestation. Muck Management Plan. Health Management Plan. Provision for Subsidized Fuel. Disaster Management Plan. Environment Monitoring Plan. Fisheries Development Plan

7	Brookup of the project and	Since it :	s a run of t	ha river as	hama	there .	will be no
7	Breakup of the project area						will be no
	a) Submergence area: forest and	submerge	ence of fore	est and non-	-iorest	area.	
	non- forest.						
-	b) Others	x 1		x 1 00		<u> </u>	
8	Break up of project affected		HEP Stage				
	population with enumeration of		nich MPFs a	,	0		0
	those losing house/dwelling units) on the	basis of la	and a	cquisi	tion data/
	only both dwelling units and	FRA stat	tus				
	agriculture land and landless						
	labourers/artisans.						
	a) SC/ST/adivasis						
	b) Others						
	Please indicate whether these figures						
	are based on any scientific and						
	systematic survey carried out or only						
	provisional figures. if a survey has						
	been carried out give details and						
	year of survey.						
	<i>y</i> • • • • • • • • • • • • • • • • • • •						
9	Financial details:	The stage	e wise proje	ect cost as r	er DP	R is as	s under-
,	a) projects cost as originally planned	a.	, while proje			1 1 15 u	, and cr.
	and	и.					
	Subsequent revised estimates and the	Stage	Civil Wor	ks E &	Μ	Total	
	year of price reference.	-				Total	
	year of price reference.	of the		Work	.5		
		project					
		T	200 70	246.5	0	525.0	0
		Ι	288.79	246.5	0	535.2	9
		II &	274.28	97.50		371.7	Q
			274.20	97.50		571.7	0
		III					
		TV.	106.07	100 5	0	205.2	7
		IV	186.87	108.5	0	295.3	/
		Total	749.94	452.5	0	1202.	11
		Total	/47,74	432.3	U	1202.	
		As per th	a approx	ved TEC	now	ravisa	l cost for
		stage I,II			now	10 11500	
		Project	Civil	E&M	IDC,		Total
		(Stage)	Works	Works	Final		I Juli
		(Stage)	WOIKS	WOIKS	Char		
					&LA		
		Cterry T	200.12	114 67			170.01
		Stage-I	290.13	114.67	73.21	l	478.01

	Stage- II&III	303.18	123.33	61.68	488.19
 b)Allocation made for environmental management plans with item wise and Year wise break up. C) Benefit cost ratio/Internal rate of return and the year of assessment. d) Whether (c) includes the cost of environmental management as shown in 	b. To M an c. As pro	anagement d year wi closed as per the l oject is esti curns is 12.2	Plan is R se break " Annex DPR cos mated at	de for E s. 5150.60 J tup of CA ure –D1" t benefit r 1.8 and inte	Lacks. T Plan atio of t
 b) above e) Actual expenditure incurred on the project so far. F) actual expenditure incurred on the environmental management plans so far: 	far f. Th	is appende	ed as " An	urred on th nexure-D2 ed in EMP	
	Scheme		-	diture (in I	Rs.)
	CAT Pla Compen Afforesta	satory	stage-I against 1, 08, stage-I	3,66,650 & Rs 1,19 stage-II&I 54,136 . Rs 1,58	II against ,64,079
	Pollutior Board	n Control	1,11,37		
	Deptt. Science Technolo	of Env. and ogy		000/-	

[Fisheries	42,00,000
		Management plan	42,00,000
		Management plan	
		Total expenditure	17,77,22,265/-
10	Forest land requirement:	a. Total Forest L	and required for IKHEP
	a) The status of approval for diversion of forest land for	Stage of the project	Forest Land (Hac.)
	non- forestry use.	Ι	18.7142
		II & III	17.6857
		IV	25.5000
		Total	61.8999
		approval for diversion purpose has been obt F. No- 8-8/2001-FC c of 17.6857 Hact. of f Stage II & III(130M MOEF New Delhi vio 366/09-CHA dated diversion of forest la	I of the project is concerned, a of forest land for non forestry ained from MOEF vide letter. dated 23 rd June2004 .Diversion forest land for construction of AW) has been accorded by de MOEF letter F. No. 9HPC 14 th June 2011.Whereas the and i:e 25.5000 Hect. against n proposed for which revenue essed.
	b) The status of clear felling.	earmarked for got felled and deposited wit Department, saved by proje &III MOEF Clearance alc of 630 No. c	ge-I there were 349 trees felling, out of which 143 trees total cost of the trees has been th Himachal Pradesh Forest where as 206 trees has been ect proponent. Against stage II has accorded the Forest ong with the felling approval of trees which is yet to be the project proponent.
	 c. The status of compensatory afforestation, if any. d. Comments on the viability & sustainability of compensatory afforestation programme in the light of 	Against Stage Compliance s from DFO Kin	Afforestation of 38 Ha. -I has been achieved so far. tatus of said activity received nnaur is same as reported vide atus of June 2011 vide letter no

	actual field experience so far.	HPPCL/IKHEP/Env.R&R-4/Vol-VII/2011- 1968-70 dated 02.06.11. In lieu of CA against 17.6857 hect. of Forest Land Rs 1,19,57,406/- has been deposited with HP Forest Department vide letter No. HPPCL/IKHEP/E&RR-IV-V01/2010-11- 11410-13 dated 31/03/2011 and now DFO Kinnaur informed that the works of CA is diverted to Rampur circle due to unavailability of suitable land for Compensatory afforestation (Copy of approval received from Chairperson Cum PCCF(HOFF), HP is enclosed as Annexure- D3) Compliance of same is still awaited from HP Forest Department.
11	The status of clear felling in non forest areas (such as submergence area of reservoir approach road) if any, with quantitative information.	Since it is a runoff river (R-O-R) scheme no submergence is involved thereof.
12	Status of construction:- a) Date of commencement (actual and/ or planned) b) Date of completion (actual and/ or Planned)	 a. Date of commencement 9.04.2009 for Stage- I. and 12 .11.2010 for Stage II &III. b. Stage I-March. 2016. (as decided in meeting during management review Meeting at Corporate office). Stage-II&III March2018 (Due to pending litigation in NGT no construction activities are being carried out in Stage-II).
13	Reason for delay if the projects is yet to start:	Due to torrential rains and cloud burst incident during the month of June 2013., and blockade of NH-22and various approach roads to Project site at various places(Urni, IPS old HT Road) in Kinnaur from last two years ie. 2013-14&2014-15 Construction works of Integrated Kashang HEP Stage –I, were hampered, and as far as stage - II is concerned due to pending litigation against Environmental Clearance and Forest Clearance case of Stage II & III at NGT the work of IKHEP Stage II could not be started.

Sl. No.	Particular	Amount (Rs. in Lakhs)
1	Catchment Area Treatment Plan	3050.60
2	Implementation of Resettlement & Rehabilitation Plan	300.00
3	Compensatory Afforestation	541.00
4	Greenbelt Development	55.00
5	Wildlife Management and Biodiversity Conservation Plan*	100.00*
6	Muck Management Plan	552.00
7	Restoration Plan for Quarry Sites	64.00
8	Landscape and Restoration Plan	26.00
9	Health Management Plan	65.00
10	Provision for Subsidized Fuel*	113.00*
11	Sold Waste Management	228.00
12	Disaster Management Plan	40.00
13	Environment Monitoring Plan	124.00
14	Fisheries Development Plan	105.00
	TOTAL	5150.60

Cost for Implementing Environment Management Plan

*The cost of these plans has already been included in the Catchment Area Treatment Plan.

Cost Estimate of CAT Plan

S1. No.	Particulars	Amount (Rs. Lacs)
1	Treatment Works under free draining catchment.	
a)	Biological Measures	495.56
b)	Engineering Measures.	418.90
2	Treatment Works Under Impact Area.	
a)	Biological Measures	120.00
b)	Engineering Measures.	80.00
3	Treatment Works under private land	
a)	Biological Measures	29.77
b)	Engineering Measures.	10.49
	Sub Total (1) + (2) + (3)	1154.72
4	Implementation of Support Infrastructure Cost	35.23
5	Fuel wood saving devices.	14.40
6	Training and Extension Programme	15.25
7	Preparation of Micro Plans	30.50
8	Documentation	15.25
9	Gender Support	15.25
10	Funds for Educational Activities related to Medicinal Plant Sector	30.50
11	Monitoring of silt	36.00
12	Development of Eco-tourism	50.00
13	Provision for floristic survey	20.00
14	Support for Eco-task force	61.00
15	Provision for Monitoring and Evaluation Activities	152.00
16	Provision for providing Environmental Services.	305.00
17	Provision for forest protection	50.00
18	Provision for forest infrastructure development	100.00
19	Provision for rural infrastructure development	214.40
20	Publicity and environmental awareness	20.00
21	Capacity building	25.00
22	Wildlife Management and Biodiversity Conservation Plan (Chapter-5)	100.00
23	Provision for Subsidized Fuel (Chapter-10)	113.00
24	Cost escalation at 10% per year	493.10
	Grand Total	3050.60

	Integrated Kashang HEP HPF			
	Accumulated Expenditure details u	pto 30.09.2015 for	the FY 2015-16	
Head Of Accounts	Particulars	Expenditure for September 2015 (In Lakh)	Cumulative Expenditure upto Previous Month (In Lakh)	Cumulative Expenditure upto September 2015 (In Lakh)
1	2.	3	4	5
1	Establishment charges	-		
1.1	Salary	71.06	320.22	391.28
1.2	Outsourced Manpower charge.	9.09	27.2	36.29
1.3	Wages (Daily paid staff)	0.00	0.00	0.00
1.4	T.A	0.52	0.63	- 1.15
1.5	Medical	0.21	0.66	0.87
1.6	Staff welfare	0.00	5.86	5.86
1.7	CPF/EPF	0.00	0.00	0.00
	Training / Seminar	0.00	0.00	0.00
1.8		1.44	6.29	7.73
1.9	Honorarium, Stipend & Incentives Others (Please Specify)	0.00	0.00	0.00
1.10		82.32	360.86	443.18
	Total-1	02.02		
2	Motor Vehicle			
2.1	Vehicle running & Maintenance (POL)	0.04	0.4	0.44
	Vehicle Hiring Charge	4.72	19.85	24.57
2.2	Vehicle repair	0.15	0.37	0.52
2.3		4.91	20.62	25.53
	Total-2	4.51	20.02	
· .	0/// F			
3	Office Expenses	4.94	8.88	13.82
3.1	Rent Rates and Taxes	0.16	1.18	1.34
3.2	Electricity, Fuel Ex	0.19	1.19	1.38
3.3	Stationery	0.19	0.06	0.06
3.4	Books and Periodicals	0.00	and the second se	0.16
3.5	Freight & Labour		0.16	0.10
3.6	Stores & spares	0.03	0.07	4.14
3.7	Legal & professional charges	1.17	2.97	0.00
3.8	Remuneration to Auditors	0.00	0.00	0.32
3.9	Insurance	0.00	0.32	
3.10	Postage	0.05	0.10	0.15
3.11	Communication	0.03	1.3	1.33
3.12	Hospitality	0.11	0.14	0.25
3.13	Publicity and Advertisement	0.00	0.24	0.24
3.14	Expenditure on transit camp	0.00	0.04	0.04
3.15	Fee and Subscription	0.00	0.00	0.00
3.16	Misc Expenses, Raising Day & Donation, Audit Expenses etc.	0.00	0.00	0.00
3.17	Preliminary Expenses	0.00	0.00	0.00
3.18	Business Development Expenses	0.00	0.00	0.00
3.19	Meeting Expenses	0.15	0.00	0.15
3.20	Bank Charges	0.00	0.01	0.01
3.21	Winter heating expenses	0.00	0.02	0.02
3.22	TDS&Service Tax and Depericiation)	0.00	0.00	0.00
	Total-3	6.83	16.68	23.51

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4	Maintenance	0.00	0.00	0.00
4.1	Building	0.00	0.00	0.00
4.2	Roads	0.00	0.00	0.00
4.3	Colonies Power / Water supply.	0.19	0.10	0.38
4:4	Office Equipment	0.00	0.00	0.00
4.5	Plant & Machinery	0.00	0.00	0.00
4.5	AMC	0.00	0.00	0.00
4.6	Others(Specify)	0.19	0.19	0.38
	Total-4	0.13		
5	Land Acquisition & R&R	0.00	0.00	0.00
5.1	Cost of land	4.45	5.11	9.56
5.2	R&R plan	0.17	6.20	6.37
5.3	LADA		0.00	0.00
5.4	Studies & Research	0.00	0.00	0.00
5.5	Other Social Welfare activities	0,00	0.00	0.00
5.6	Wild Life Protection	0.00	16.44	16.44
5.7	Compensation/Damages	and the second se	0.00	0.00
5.8	Others (Specify)	0.00	27.75	32.37
	Total-5	4.62		
6	Environment		0.00	0.00
6.1	CAT Plan	0.00	0.00	0.00
6.2	Compensator Afforestation	0.00	0.00	0.00
6.3	Studies and Research	0.00	0.00	0.00
6.4	EMP	0.00		4.80
6.5	Environment & Ecology Ex.	0.00	4.80	0.00
6.6	Others (Specify)	0.00	0.00	4.80
-	Total-6	0.00	4.80	4.00
7	Infrastructure work		0.00	0.00
7.1	Buildings	0.00	0.00	24.80
7.2	Roads and Bridges	11.00	13.8	0.00
7.3	Construction power	0.00	0.00	0.00
7.4	Halipade / Water Transport	0.00	0.00	0.00
7.5	Plant & Machinery i.e. Treatment plant, labs etc.	0.00	0.00	0.00
7.6	Others (Specify)	0.00	0.00	24.80
	Total:-7	11.00	13.8	24.00
8	Main works Civil		40.50	108.10
8.1	Adits, Tunnels & Barrages	58.54	49.56	2.876.79
8.2	Pressure Shaft /Penstock	888.16	1988.63	293.88
8.3	DAM/ intakes	. 97.84	196.04	112.68
8.4	HRT/TRT/MAT/Conveyance Ch.	46.42	66.26	350.69
8.5	Power House/TH/Power Chanel	100.09	250.6 23.55	29.47
8.6	Other (Day Work)	5.92	2574.64	3771.61
	Total:-8	1196.97	2574.64	0171.01
9	Main Works Electronic/Mechanical:			4000.05
9.1	Generation	361.95	1636.3	1998.25
9.1	Pot Head Yard /Switch yard	.0.00	0.00	0.00
9.2	Transmission	0.00	0.00	0.00

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4	Others (Specify)	0.00	0.00	0.00
	Total;-9	361.95	1636.3	, 1998.25
10 [.]	Interest During Construction period (IDC)			ann de cilie an ann
10.1	Principal Repayment	0.00	0.00	0.00
10.2	Interest on Loans	0.00	16.4	16.40
	Total:-10	0.00	16.4	16.40
11	Other capital Assets			T 1000000000000000000000000000000000000
11.1	Vehicle	0.00	0.00	0.00
11.2	· Furniture & Fixture	0.00	0.00	0.00
11.3	office equipments	0.00	0.00	0.00
11.4	Data Processing equipment	0.00	0.00	0.00
11.5	Software	0.00	0.00	0.00
11.6	Others	0.00	0.00	0.00
	Total-11	0.00	0.00	0.00
12	Others		and a state of the second states and a second	
12.1	Investigation and survey	0.00	0.00	0.00
12.1	Consultancy fees	0.00	0.00	0.00
12.2	Total-12	0.00	0.00	0.00
13	Moblisation Advance		Manual de la composition de Mercura	
13.1	Against Civil Works	0.00	0.00	0.00
13.2	Against E&M	0.00	0.00	0.00
13.3	Others	0.00	0.00	0.00
	Total-13	0.00	0.00	0.00
14	Staff Welfare Advances			
14.1	Warm Clothing, Festival, Computer & HBA Adv. Etc.	0.00	. 0.00	0.00
	Total-14	0.00	0.00	0.00
	Grand Total(1 to12)	1668.79	4672.04	6340.83

Note:

1. So many above item has been adjusted accordingly to WBS because ledger wise it seems difficult to have the expenditure.

General Manager Integrated Kashang HEP, HPPCL, Reckong Peo, Kinnaur

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No. Ft. CAMPA/06/2010/Rampur/Vol-V.

Dated:

To:

Chief Conservator of Forests, Rampur

Subject: Approval of Compensatory Afforestation for 2015-16

Memorandum:

Please refer to your Memo. No. CAMPA-01/APO-CAT/2014-15/Vol-I/571 date 28.04.2015 and 1259 dated 22.05.2015, vide which proposed APOs for 2015-16 have been submitted.

2. The APOs of Compensatory Afforestation (CA) for 2015-16 are hereby approved as per deta given below and Division-wise detailed APOs attached:-

Sr. No.	Name of Division	APO Approved (Rs.)	Remarks
i	Ani	6199400	
II.	Rampur	5825100	
	Kinna tu r	5135900	
iv	Kotgarh	1491500	
	Tota	1: 18651900	

. The above-given approval is, however, subject to the conditions that:-

- i. The FCA cases, against which CA is proposed, have been finally approved by MoEF,Gol.
- ii. The funds stand realized from the User Agencies and deposited with Ad-hoc CAMPA, Gc
- iii. The CAwill be carried out only in the areas/Land Banks approved in the APO.
- iv. The works shall be executed strictly as per approved cost norms being circulate separately.
- v. The works shall be carried out after observing all codal formalities.
- vi. The approval of Competent Authority will be obtained for the purchase of material etc.
- vii. The approved APO will neither be exceeded nor deviated without prior approval of the office.
- viii. The approved APOs shall be fully implemented during the current financial year.
- ix. The works shall be uploaded on e-green watch portal alongwith polygons of sites/area Stage photographs of the works shall also be taken and uploaded on e-green wat portal.
- x. The area-wise physical and financial achievements giving GPS co-ordinates of t sites/areas shall be reported to thisoffice.
- xi. The Monthly Summary of Expenditure, Quarterly Progress Reports and UCs shall submitted to this office on regular basis as per existing schedule.

4. Since, areas to carry out CA are not available in Kinnaur Division, hence, CA stipulation following FCA cases of this division are diverted and allotted to Ani, Kotgarh and Rampur Divisic as per detail given below:-

P.T.O.

Office of HP State Compensatory Afforestation fund Management & Planning Authority (HP State CAMPA), Aranya-Bhawan, Talland, Shimla - 171 001

Name of FCA Case	Total Forest Land Diverted (Ha.)	Total CA Stipulation (Ha.)	indiffe UI	Total Stipulation Diverted
C/o 100 MW Tidong-I HEP	39.0546		Diverted	(Ha.)
	59.0546	79		60
	(Foresist)		Total	60
Diversion of Forest Land in f/o M/S	0.4750		Kotgarh	19
Amit Singla for Installation of Crusher. Hot & Wet Mixing Plant near Akpa	0.4750	1 to lave age	Kotgarh	01
C/o 130 MW Integrated Kashang			Total	20
Stage II & III HEP	17.6857	36	Rampur	36
C/o 22 KV Tr. Line on 66 KV Tower	34.2867	of helen	20019	
from Akpa to Pooh	54.2867	69	Rampur	48.7
ne road sold and the second approve			Total	84.7
a stached.	Contraction of the second	(Grand Total	164.7

It may please be ensured that after carrying out CA of above diverted stipulations, the detail of areas indicating the name of Range/Block/Beat against each FCA case is sent to DFO Kinnaur for

It is requested that the approved CA APO 2015-16 may be taken up for execution immediately.

Encls: AA

Chairperson Executive Committee-HP State CAMPA -cum- Principal CCF (HoFF), HP.

Endst. No. As Above/

Dated: Shimla-1, the

1 9 JUN 2015

Copy, along-with a copy of its epclosures, is forwarded to the following for information and similar necessary action:-1.

DFO: Ani, Rampur, Kinnaur & Kotgarh.

FOR ANI, KOTGARH & RAMPUR DIVISIONS: They are directed to provide the detail of areas of CA after achieving the targets against diverted stipulations to DFO Kinnaur for updating his record.

24.6.13

Acet

Chairperson Executive Committee-HP State CAMPA -cum- Principal CCF (HoFF), HP.

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13 th June, 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	18 th June, 2015
Address	Himachal Pradesh-172107	Date of Reporting	25 th June, 2015
REF No:	STL/EHS/F18021/15K		

WASTE WATER - FROM OFFICERS MESS - RECKONG PEO

S.No.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	pH	APHA 4500B	5.5 - 9.0	7.06
2	Total Suspended Solid's (mg/L)	APHA 2540D	200	38
3	Oil & Grease (mg/L)	APHA 5520B	10	1.2
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	36.4
5	Biological Oxygen Demand 3 days at 27°C (mg/L)	APHA 5210B	30	10
6	Total Residual Chlorine (mg/L)	APHA 4500B	1.0 .	Nil

Sampling and Analysis carried out as per APHA

Sample collected by:

Mr. Durga - Env. Field Asst.

Compiled by

2000- 106/15

Authorised by:

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[D.L.No. : 1/RR/AP/2004/AL/G]



TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13 th June, 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	18 th June, 2015
	Himachai Pradesh-172107	Date of Reporting	25 th June, 2015
REF No:	STL/EHS/F18022/15K		

WASTE WATER - FROM WORKERS CAMP/OFFICERS CAMP - INTAKE

S.No.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	pН	APHA 4500B	5.5-9.0	6.81
2	Total Suspended Solids (mg/L)	APHA 2540D	200	30
3	Oil & Grease(mg/L)	APHA 5520B	10	1.0
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	49.8
5	Biological Oxygen Demand 3 days at 27°C(mg/L)	APHA 5210B	30	18
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

06/15

Sample collected by:

Mr. Durga -Env. Field Asst

Compiled by

last Authorised by:

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[D.L.No. : 1/RR/AP/2004/AL/G]



TEST REPORT

Name	of the Industry HCC Limited			Date of Sampling	13 th June, 2015
Address Kashang Hydro-Electric P.O. Reckong Peo, Disl		c Project -1 (KHEP),	Date of Receipt	18 th June, 2015	
Autor	55	Himachal Pradesh-172	107	Date of Reporting	25 th June, 2015
REF N	No: STL/EHS/F18023/15K		5K		
	WASTE WATE	ER - FROM WORKE	RS CAMP/OFFIC	ERS CAMP - POWE	RHOUSE
S.No.	Pa	rameter	Methods	As per APPCB/CPC Limits	B Results
1	рН		APHA 4500B	5.5-9.0	7.09
2	Total Suspend	ed Solids (mg/L)	APHA 2540D	200	42
3	Oil & Grease(mg/L)		APHA 5520B	10	1.0
4	Chemical Oxy	gen Demand (mg/L)	APHA 5220B	250	52.6
5	Biological Oxyger at 27°C(mg/L)	n Demand 3 days	APHA 5210B	30	16
	A	the star was a second and the second s			

Sampling and Analysis carried out as per APHA

Sample collected by:

Mr. Durga - Env. Field Asst.

6/15

Compiled by

Authorised by:

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13th June, 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	18 th June, 2015
Address	Himachal Pradesh-172107	Date of Reporting	25 th June, 2015
REF No:	STL/EHS/F18024/15K		

WASTE WATER - FROM SEDIMENTATION TANK - BATCHING PLANT - POWER HOUSE

S.No.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	ρH	APHA 4500B	5.5 - 9.0	7.25
2	Total Suspended Solids (mg/L)	APHA 2540D	200	88
3	Oil & Grease(mg/L)	APHA 5520B	10	2.2
4	Chemical Oxygen Demand (mg/L)	APHA 52208	250	92.4
5	Biological Oxygen Demand 3 days at 27°C (mg/L)	APHA 52108	30	24
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

Sample collected by:

Mr. Durga - Env. Field Asst.

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Compiled by

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13 th June, 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O. Reckong Peo, Dist: Kinnaur	Date of Receipt	18 th June, 2015
Address	Himachal Pradesh-172107	Date of Reporting	25th June, 2015
REF No:	STL/EHS/F18025/15K		

WASTE WATER - FROM SEDIMENTATION TANK - BATCHING PLANT - INTAKE

S.No.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	рН	APHA 4500B	5.5 - 9.0	6.97
2	Total Suspended Solids (mg/L)	APHA 2540D	200	74
3	Oil & Grease(mg/L)	APHA 5520B	10	1.4
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	90.9
5	Biological Oxygen Demand 3 days at 27 °C (mg/L)	APHA 5210B	30	22
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

Sample collected by:

Mr. Durga - Env. Field Asst.

Compiled by

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13 th June, 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	18 th June, 2015
	Himachal Pradesh-172107	Date of Reporting	25 th June, 2015
REF No:	STL/EHS/F18026/15K		
1			

WASTE WATER - FROM SEDIMENTATION TANK - CRUSHING PLANT - POWER HOUSE

S.No.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	рН	APHA 4500B	5.5-9.0	7.15
2	Total Suspended Solids (mg/L)	APHA 2540D	200	92
3	Oil & Grease(mg/L)	APHA 5520B	10	2.0
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	86.7
5	Biological Oxygen Demand 3 days at 27°C (mg/L)	APHA 5210B	30	24
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

Sample collected by:

Mr. Durga -Env. Field Asst.

Compiled by

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13 th June, 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist. Kinnaur	Date of Receipt	18 th June, 2015
	Himachal Pradesh-172107	Date of Reporting	25th June, 2015
REF No:	STL/EHS/F18027/15K		

WASTE WATER - FROM SEDIMENTATION TANK - CRUSHING PLANT - INTAKE

S.No.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	pH	APHA 4500B	5.5 - 9.0	6.95
2	Total Suspended Solids (mg/L)	APHA 2540D	200	86
3	Oil & Grease(mg/L)	APHA 5520B	10	1.9
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	102.4
5	Biological Oxygen Demand 3 days at 27°C (mg/L)	APHA 5210B	30	28
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

Sample collected by:

Mr. Durga - Env. Field Asst.

Compiled by

la tobe Authorised by:

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13 th June, 2015
Address Kashang Hydro-Electric Project (KHEP), P.O.Reckong Peo, Dist: Kinnaur		Date of Receipt	18 th June, 2015
Rouress	Himachal Pradesh-172107	Date of Reporting	25 th June, 2015
REF No:	STL/EHS/F18017/15K	Carl Carl	

DRINKING WATER - AT INTAKE AREA

S.No.	Parameter .	Methods	Desirable Limits As Per IS 10500	Results
1	Color (Hazen units)	APHA 2120C	5	Nil
2	Odor		Agreeable	Agreeable
3	Taste		Agreeable	Agreeable
4	Turbidity (NTU)	APHA 2130B	5	Nil
5	рН	APHA 4500B	6.5-8.5	7.15
6	Total Hardness as CaCO ₃ (mg/L)	APHA 2340C	300	19.8
7	Iron as Fe (mg/L)	APHA 3500B	0.3	Nil
8	Chlorides as Cl (mg/L)	APHA 4500B	250	6.5
9	Residual free chlorine (mg/L)	APHA 4500B	0.2	Nil
10	Dissolved solids (mg/L)	APHA 2540C	500	46
11	Calcium as Ca (mg/L)	APHA 3500B	75	7.2
12	Magnesium as Mg (mg/L)	APHA 3500B	30	1.0
13	Copper as Cu (mg/L)	APHA 3500B	0.05	Not Detected
14	Manganese as Mn (mg/L)	APHA 3500B	0.1	Not Detected
15	Sulphates as SO₄ (mg/L)	APHA 4500E	200	3.2
16	Nitrate as NO3 (mg/L)	APHA 4500B	45	0.06
17	Fluoride as F (mg/L)	APHA 4500D	1.0	ARME

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[D.L.No. : 1/RR/AP/2004/AL/G]



TEST REPORT

Name	of the Industry HCC Limited			Date of Sampling	13 th June, 2015
Addres	20	Kashang Hydro-Electric P P.O.Reckong Peo. Dist: k	Kashang Hydro-Electric Project (KHEP),		18 th June, 2018
radiot	53	Himachal Pradesh-17210		Date of Reporting	25 th June, 2016
REFN	0:	STL/EHS/F18017/15	<		
		DRINKING WAT	ER – AT INTA	KE AREA	
S.No.	P	arameter	Methods	Desirable Limits As Per IS 10500	Results
18	Phenolic Comp	ounds C ₆ H ₅ OH (mg/L)	APHA 55300	0.001	Nil
19	Mercury as Hg (mg/L)			0.001	Not Detected
20	Cadmium as Co	Cadmium as Cd (mg/L)		0.01	Not Detected
21	Selenium as Se (mg/L)		APHA 3500	0.01	Not Detected
22	Arsenic as As (mg/L)		APHA 35008	3 0.01	Nil
23	Cyanide as CN (mg/L)			0.05	NI
24	Lead as Pb (mg/l	Lead as Pb (mg/L)		0.05	Not Detected
25	Zinc as Zn (mg	Zinc as Zn (mg/L)		3 5	Not Detected
26	Chromium as C	r+6 (mg/L)	APHA 3500E	0.05	NII
27	Mineral Oil (mg	/L)		0.01	Nil
28	Boron as B (mg	1/L)	APHA 4500E	3 1.0	Nil
29	Aluminium as A	l (mg/L)	APHA 3500E	0.03	Not Detected
30	Total Alkalinity	as CaCO3 (mg/L)	APHA 2320E	8 200	22.8
31	Pesticides (mg	'L)	APHA 2320E	Absent	Absent
32	Total Coliform		a to 10	Should be absent	Absent
33	E.Coli		***	Should be absent	Absent

Sample Collected by : Mr. Durga - Env. Field Asst.

Remarks: Analysed as per given sample.

Checked by :

25/06/11

Authorized by: (

Approved Laboratory by MoEF, OHSAS 18001 and ISO 9001

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13th June, 2015
Address	Kashang Hydro-Electric Project (KHEP), P.O.Reckong Peo, Díst: Kinnaur	· · ·	
	Himachal Pradesh-172107	Date of Reporting	25 th June, 2015
REF No:	STL/EHS/F18018/15K		

DRINKING WATER - AT IPS - PANGI VILLAGE

S.No.	Parameter	Methods	Desirable Limits As Per IS 10500	Results
1	Color (Hazen units)	APHA 2120C	5	Nil
2	Odor .		Agreeable	Agreeable
3	Taste		Agreeable	Agreeable
4	Turbidity (NTU)	APHA 2130B	5	Nil
5	рН	APHA 4500B	6.5-8,5	7.53
6	Total Hardness as CaCO ₃ (mg/L)	APHA 2340C	300	42.6
7	Iron as Fe (mg/L)	APHA 3500B	0.3	Nil
8	Chlorides as CI (mg/L)	APHA 4500B	250	20.8
9	Residual free chlorine (mg/L)	APHA 4500B	0.2	Nil
10	Dissolved solids (mg/L)	APHA 2540C	500	94 -
11	Calcium as Ca (mg/L)	APHA 3500B	75	12.3
12	Magnesium as Mg (mg/L)	APHA 3500B	30	2.0
13	Copper as Cu (mg/L)	APHA 3500B	0.05	Not Detected
14	Manganese as Mn (mg/L -)	APHA 3500B	0.1	Nul Detected
15	Sulphates as SO4 (mg/L)	APHA 4500E	200	8.6
16	Nitrate as NO3 (mg/L)	APHA 4500B	45	1.4
17	Fluoride as F (mg/L)	APHA 4500D	1.0	RTH

Checked by :

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Authorized by:

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TEST REPORT

Name	of the Industry HCC Limited			Date of Sampling	13 th June, 201
Address		Kashang Hydro-Electric Project (KHEP), P.O.Reckong Peo, Dist: Kinnaur		Date of Receipt	18 th June, 201
		Himachal Pradesh-17210		Date of Reporting	25 th June, 201
REFN	0:	STL/EHS/F18018/15	<		
		DRINKING WATER -	AT IPS - PAI	IGI VILLAGE	
S.No. Parameter		Methods	Desirable Limits As Per IS 10500	Results	
18	Phenolic Comp	ounds C ₆ H ₅ OH (mg/L)	APHA 5530D	0.001	Nil
19	Mercury as Hg	Mercury as Hg (mg/L)		0.001	Not Detected
20	Cadmium as Co	1 (mg/L)	APHA 3500	0.01	Not Detected
21	Selenium as Se (mg/L)		APHA 3500	0.01	Not Detected
22	Arsenic as As (mg/L)		APHA 3500E	0.01	Not Detected
23	Cyanide as CN (mg/L)			0.05	Nil
24	Lead as Pb (mg/L	Lead as Pb (mg/L)		0.05	NII
25	Zinc as Zn (mg	/L)	APHA 3500B	5	Not Detected
26	Chromium as C	r+6 (mg/L)	APHA 35008	0.05	Not Detected
27	Mineral Oil (mg	/L)		0.01	Nil
28	Boron as B (mg	/L)	APHA 4500B	1.0	Nil
29	Aluminium as A	I (mg/L)	APHA 3500B	0.03	Nil
30	Total Alkalinity	as CaCO ₃ (mg/L)	APHA 2320B	200	48.0
31	Pesticides (mg)	(L)	APHA 2320B	Absent	Absent
32	Total Coliform			Should be absent	Absent
33	E.Coli			Should be absent	Absent

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Remarks: Analysed as per given sample.

Checked by :

25/06/11

Authorized by: 16

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TEST REPORT

		A REAL PROPERTY AND A REAL	the loss management of the second		
Name	of the Industry HCC Limited			Date of Sampling	13th June, 201
Address		Kashang Hydro-Electric Project (KHEP), P.O.Reckong Peo, Dist: Kinnaur		Date of Receipt	18 th June, 201
		Himachal Pradesh-1	72107	Date of Reporting	25 th June, 201
REFN	lo:	STL/EHS/F18019	/15K		
		DRINKING WATE	R – AT POWER H	OUSE AREA	
S.No.	Par	ameter	Methods	Desirable Limits As Per IS 10500	Results
1	Color (Hazen units)	APHA 2120C	5	Nil
2	Odor			Agreeable	Agreeable
3	Taste	*		Agreeable	Agreeable
4	Turbidity (NTU)		APHA 2130B	5	Nil
5	рН		APHA 4500B	6.5-8.5	7.04
6	Total Hardness as CaCO3 (mg/L)		APHA 2340C	300	36.3
7	Iron as Fe (mg/L)		APHA 3500B	0.3	Nil
8	Chlorides as CI (mg/L)		APHA 4500B	250	18.4
9	Residual free chlorine (mg/L)		APHA 4500B	0.2	Nil
10	Dissolved solids	s (mg/L)	APHA 2540C	500	90
11	Calcium as Ca	/mg/L)	APHA 3500B	75	15.2
12	Magnesium as N	//g (mg/L)	APHA 3500B	30	4.6
13	Copper as Cu (r	ng/L)	APHA 3500B	0.05	Not Detected
14	Manganese as N	An (mg/L)	APHA 3500B	0.1	Not Detected
15	Sulphates as SC	D₄ (mg/L)	APHA 4500E	200	8.2
16	Nitrate as NO3 (mg/L)	APHA 4500B	45	1.1
17	Fluoride as F (m	ig/L)	APHA 4500D	1.0	AT NH

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[D.L.No. : 1/RR/AP/2004/AL/G]



TEST REPORT

Name	of the Industry HCC Limited			Date of Sampling	13 th June, 2015
Address		Kashang Hydro-Electric F P O.Reckong Peo, Dist. H	Projeci (KHEP), Kinnaur	Date of Receipt	18 th June, 2015
		Himachal Pradesh-1721()7	Date of Reporting	25th June, 2018
REFN	0:	STL/EHS/F18019/15	K		
		DRINKING WATER -	AT POWER H	IOUSE AREA	an a
S.No.	Pa	rameter	Methods	Desirable Limits As Per IS 10500	Results
18		ounds C ₆ H ₅ OH (mg/L)	APHA 5530D	0.001	Nil
19	and the second se	Mercury as Hg (mg/L)		0.001	Not Detected
20	line and the second	Cadmium as Cd (mg/L)		0.01	Not Detected
21	Selenium as Se (mg/L)		APHA 3500	0.01	Not Detected
22	Arsenic as As (mg/L)		APHA 3500B	0.01	Not Detected
23	Cyanide as CN (mg/L)			0.05	Nil
24		Lead as Pb (mg/L)		0.05	Nil
25		Zinc as Zn (mg/L)		5	Not Detected
26	Chromium as Cr	and the second	APHA 3500B	0.05	Not Detected
27	Mineral Oil (mg/	and the second se		0.01	Nil
28	Boron as B (mg	′L)	APHA 4500B	1.0	Nil
29	Aluminium as Al (mg/L)		APHA 3500B	0.03	Nil
30	Total Alkalinity	as CaCO ₃ (mg/L)	APHA 2320B	200	41.4
31	Pesticides (mg/l	_)	APHA 2320B	Absent	Absent
32	Total Coliform		**	Should be absent	Absent
33	E.Coli			Should be absent	Absent

Remarks: Analysed as per given sample.

06/14

Checked by :

Authorized by: Korrow

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[D.L.No. : 1/RR/AP/2004/AL/G]

STARTECH LABS

TEST REPORT

of the Industry HCC Limited			Date of Sampling	13 th June, 2015
0	Kashang Hydro-Electric Project (KHEP),		Date of Receipt	18 th June, 2015
3			Date of Reporting	25 th June, 2015
01	STL/EHS/F18020/	15K		
	DRINKING WA	TER - AT MAIN	OFFICE	
S.No. Parameter		Methods	Desirable Limits As Per IS 10500	Results
Color (Hazen units	3)	APHA 2120C	5	Nil
Odor			Agreeable	Agreeable
Taste			Agreeable	Agreeable
Turbidity (NTU)		APHA 2130B	5	Nil
pH .		APHA 4500B	6.5-8.5	6.94
Total Hardness as CaCO ₃ (mg/L)		APHA 2340C	300	8.0
Iron as Fe (mg/L)		APHA 3500B	0.3	Nil
Chlorides as CI (mg/L)		APHA 4500B	250	1.8
Residual free chlorine (mg/L)		APHA 4500B	0.2	Nil
Dissolved solid	s (mg/L)	APHA 2540C	500	16
Calcium as Ca	(mg/L)	APHA 3500B	75	1.0
Magnesium as	Mg (mg/L)	APHA 3500B	30	0.2
Copper as Cu (mg/L)	APHA 3500B	0.05	Not Detected
Manganese as	Mn (mg/L)	APHA 3500B	0.1	Not Detected
Sulphates as S	O4 (mg/L)	APHA 4500E	200	Nil
Nitrate as NO3	(mg/L)	APHA 4500B	45	Nil
Fluoride as F (i	mg/L) ·	APHA 4500D	1.0	Nil
	s Color (Hazen units Odor Taste Turbidity (NTU) pH Total Hardness Iron as Fe (mg) Chlorides as Cl Residual free c Dissolved solid Calcium as Ca Magnesium as Copper as Cu (Manganese as Sulphates as S Nitrate as NOa	s Kashang Hydro-Elect P.O.Reckong Peo, Di Himachal Pradesh-17 D: STL/EHS/F18020/ DRINKING WA Parameter Color (Hazen units) Odor Taste Turbidity (NTU) pH Total Hardness as CaCO ₃ (mg/L) Iron as Fe (mg/L) Chiorides as CI (mg/L)	sKashang Hydro-Electric Project (KHEP), P.O.Reckong Peo, Dist. Kinnaur Himachal Pradesh-172107D:STL/EHS/F18020/15KDRINKING WATER - AT MAINParameterMethodsColor (Hazen units)APHA 2120COdorTasteTurbidity (NTU)APHA 2130BpHAPHA 2130BpDHAPHA 4500BTotal Hardness as CaCO3 (mg/L)APHA 3500BChlorides as CI (mg/L)APHA 4500BDissolved solids (mg/L)APHA 2540CCalcium as Ca (mg/L)APHA 3500BMagnesium as Mg (mg/L)APHA 3500BManganese as Mn (mg/L)APHA 3500BSulphates as SO4 (mg/L)APHA 4500ENitrate as NO3 (mg/L)APHA 4500B	Kashang' Hydro-Electric Project (KHEP), P.O.Reckong Peo, Dist. Kinnaur Himachal Pradesh-172107Date of Receipt Date of ReportingSTL/EHS/F18020/15KDate of ReportingDRINKING WATER - AT MAIN OFFICEDRINKING WATER - AT MAIN OFFICEDesirable Limits As Per IS 10500Color (Hazen units)APHA 2120C5OdorAgreeableTasteAgreeableTurbidity (NTU)APHA 2130B5pHAPHA 4500B6.5-8.5Total Hardness as CaCO3 (mg/L)APHA 3500B0.3Chlorides as CI (mg/L)APHA 4500B250Residual free chlorine (mg/L)APHA 3500B0.2Dissolved solids (mg/L)APHA 3500B30Copper as Cu (mg/L)APHA 3500B0.1Sulphates as SO4 (mg/L)APHA 4500B45

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	13th June, 2015
Address	Kashang Hydro-Electric Project (KHEP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	18 th June, 2015
	Himachal Pradesh-172107	Date of Reporting	25 th June, 2015
REF No:	STL/EHS/F18020/15K		

DRINKING WATER - AT MAIN OFFICE

S.No.	Parameter	Methods	Desirable Limits As Per IS 10500	Results
18	Phenolic Compounds C ₆ H ₅ OH (mg/L)	APHA 5530D	0.001	Nil
19	Mercury as Hg (mg/L)		0.001	Not Detected
20	Cadmium as Cd (mg/L)	APHA 3500	0.01	Not Detected
21	Selenium as Se (mg/L)	APHA 3500	0.01	Not Detected
22	Arsenic as As (mg/L)	APHA 3500B	0.01	Not Detected
23	Cyanide as CN (mg/L)		0.05	Nil
24	Lead as Pb (mg/L)	APHA 3500B	0.05	Nil
25	Zinc as Zn (mg/L) .	APHA 3500B	5	Not Detected
26	Chromium as Cr+6 (mg/L)	APHA 3500B	0.05	Not Detected
27	Mineral Oil (mg/L)		0.01	Nil
28	Boron as B (mg/L)	APHA 4500B	1.0	Ńil
29	Aluminium as Al (mg/L)	APHA 3500B	0.03	Nil
30	Total Alkalinity as CaCO ₃ (mg/L)	APHA 2320B	200	11.6
31	Pesticides (mg/L)	APHA 2320B	Absent	Absent
32	Total Coliform	ie er u	Should be absent	Absent
33	E.Coli	=	Should be absent	Absent *

Sample Collected by : Mr. Durga -Env. Field Asst.

Remarks: Analysed as per given sample.

Checked by :

Lan 25/06/15

Authorized by:

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TEST REPORT

Name	Jame of the Industry HCC Limited			Date of Sampling	11 th June, 2015
Address		Kashang Hydro-Electric P.O.Reckong Peo.Dist:K	Project (KHEP).	Date of Receipt	18 th June, 2015
Audio	20	Himachal Pradesh-1721	onnaur 07	Date of Reporting	25th June, 2015
REFN	10:	STL/EHS/F18001/15	іК		1
Time	of monitoring :	9.35 AM - 9.35 AM	Duration : 2	4hrs	
Wind	speed: 3.0 Kms	/ hr	Wind direct	ion : North West to S	outh East
Ambie	nt Air Temp: 2	0.3 °C			
	AM	BIENT AIR QUALITY -	- NEAR POWER	R HOUSE MAT TUNNEL	
S.No.	PARAMETERS		L	IMITS	RESULTS
1	Particulate M	atter as $PM_{10} (\mu g/m^3)$		100	41.6
2	Particulate Matter as $PM_{2.5}$ (µg/m ³)		and the second	60	12.7
3	Sulphur Dioxides as SO ₂ (µg/m ³)			80	10.2
4	Nitrogen Diox	ides as NO ₂ (µg/m³)		80	13.6
5	Carbon Mono	xide as CO (µg/m³)		4.0	Nil
6	Ammonia as M	NH3 (μg/m³)		400	21
Sampl	ling and Analy	sis carried out as per	r IS : 5182		
	ments Details: ments Details	Make : Aero Vir Model No: RDS S Make : Ecotech Model No: AAS	9000,		2
Monit	ored by :	Mr. Rajasekhar Mr. Durga -Env.	-Env. Enginee Field Asst.	er	
Remai	rks :	Complies		15	CHL
Comp	iled by :	Spat oblis	Au	Carosbelles	and the second

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D.L.No.: 1/RRIAP/2004/AL/G



TEST REPORT

Name	of the Industry	of the Industry HCC Limited		Date of Sampling	11 th June, 2015		
Addre	220	Kashang Hydro-Electric Pro 000P O Reckong Peo,Dist:	oject (KHEP),	Date of Receipt	18 th June, 2015		
Audro		Himachal Pradesh-172107	Kinnaur	Date of Reporting	25 th June, 2015		
REF	No:	STL/EHS/F18002/15K					
Time	of monitoring : 9	.45 AM - 9.45 AM	Durati	on : 24hrs			
	speed: 3.1 Kms			direction : North Wes	st to South East		
Ambie	ent Air Temp: 22	2.3 °C					
	AN	BIENT AIR QUALITY -	NEAR BR	TUNNEL - INTAKE			
S.No.		PARAMÈTERS		LIMITS	RESULTS		
1	Particulate Ma	tter as PM10 (µg/m3)		100	62.8		
2	Particulate Matter as PM _{2.6} (µg/m ³)			60	16.5		
3	Sulphur Dioxides as SO ₂ (µg/m³)			80	11.3		
4	Nitrogen Dioxides as NO ₂ (µg/m³)			80	16.8		
5	Carbon Monox	ide as CO (μ g/m ³)		4.0	Nil		
6	Ammonia as N	H ₃ (µg/m ³)		400 20			
Sampl	ling and Analys	is carried out as per IS	S:5182	and a second	ann dha ann ann an ann an ann an ann ann an an		
	ments Details: ments Details	Make : Aero Viron Model No: RDS 90 Make : Ecotech Model No: AAS 12	00,				
Monit	ored by :	Mr. Rajasekhar –E Mr. Durga –Env. F	Inv. Enginee	r			
Remai	rks :	Complies		87	ECAT		
0	iled by :	Destactions	Δ	uthorised by	HES P		

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TEST REPORT

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Name c Industry	ne of the HCC Limited			Date of Sampling	12 th June, 2015
Addres	Kashang Hydro-Electric Project (KHEP),		(KHEP),	Date of Receipt	18 th June, 2015
Audies.	5	P.O.Reckong Peo,Dist:Kinnaur Himachal Pradesh-172107		Date of Reporting	25 th June, 2015
REF No	:	STL/EHS/F18003/15K			<u>I</u>
Time of	monitoring	g: 9.20 AM - 9.20 AM	Dur	ation : 24hrs	
Wind sp	beed: 3.1 K	Kms / hr	Win	d direction : North W	est to South East
Ambien	t Air Temp	: 22.1 °C			
	AMBIEN	IT AIR QUALITY - NEAR	POWER	HOUSE CRUSHING	PLANT
S.No.		Parameters		Limits	Results
1	Suspende	ed Particulate Matter (SPM	600	224	
2	Sulphur Dioxides as SO ₂ (μ g/m ³)			80	11.0
3	Nitrogen	Dioxides as NO ₂ (µg/m ³)		80	14.9
Samplir	ng and An	alysis carried out as per	IS : 518	2	
Equipments Details: Make : Aero Vironment Model No: RDS 9000, Equipments Details Make : Ecotech Model No: AAS 127					
Monitor	red by	: Mr. Rajasekhar - Mr. Durga -Env.			
Remark	(S	: Complies		1/2 A	RTECA
Checke	d by	: Sugetoolin		Authorised by:	AND ARES

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TEST REPORT

Name	me of the Industry HCC Limited			Date of Sampling	12 th June, 2015
Address		Kashang Hydro-Electric Pro P.O.Reckong Peo,Dist:Kinn	iect (KHEP),	Date of Receipt	18 th June, 2015
		Himachal Pradesh-172107	au!	Date of Reporting	25 th June, 2018
REFN	lo:	STL/EHS/F18004/15K			
Time o	of monitoring : 9	.35 AM - 9.35 AM	Duration	24hrs	
Wind s	speed: 2.9 Kms	/ hr	Wind dire	ection : North West t	o South East
Ambie	nt Air Temp: 23	3.6 °C			
That we want to be a	AMBIE	NT AIR QUALITY - NEA	R IPS TUN	INEL - PANKI VILLA	GE
S.No.	Р	ARAMETERS		LIMITS	RESULTS
1	Particulate Ma	tter as $\dot{P}M_{10}~(\mu g/m^3)$		100	60.7
2	Particulate Matter as PM2.5 (µg/m3)			60	12.5
3	Sulphur Dioxides as SO ₂ (µg/m ³)			80	9.2
4	Nitrogen Dioxides as NO ₂ (µg/m ³)			80	14.1
5	Carbon Monox	ide as CO (μg/m³)		4.0	NII
6	Ammonia as N	H3 (µg/m3)		400	19
Sampl	ing and Analys	is carried out as per IS	: 5182		1.15
	ments Details: ments Details	Make : Aero Vironn Model No: RDS 900 Make : Ecotech Model No: AAS 12	0,		
Monite	ored by :	Mr. Rajasekhar -E Mr. Durga -Env. Fi	nv. Engine	er	
Remai	rks :	Complies		48	Star Contraction
Comp	iled by :	Softablis	A	uthorised by:	ABS

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TEST REPORT

	Name of the HCC Limited		NATION OF TOTAL CONSTRUCTION	Date of Sampling	13 th June, 2015	
Addres	Address P.O.Reckong Peo,Dist.Kinnaur		t (KHEP),	Date of Receipt	18th June, 2015	
100100	3	Himachai	Pradesh-172107		Date of Reporting	25 th June, 2015
REF No):	STL/EHS	S/F18005/15K			
Time of	monitor	ing: 9.30 /	AM - 9.30 AM	Dura	ation : 24hrs	
Wind sp	beed: 3.1	2 Kms / hr		Win	d direction : North W	est to South Eas
Ambien	t Air Ter	np: 23.4°C)			
	A	MBIENT AI	R QUALITY - N	EAR INT	AKE CRUSHING PLA	NT
S.No.	No. Parameters		Limits	Results		
1	Suspended Particulate Matter (SPM) µg/m³			600	224	
2	Sulphur Dioxides as SO2 (µg/m3)			80	10.8	
3	Nitroge	en Dioxides	as NO_2 ($\mu g/m^3$)		80	12.2
Samplii	ng and /	Analysis ca	arried out as per	IS : 518	2	
	ients De ients De		Make : Aero Vir Model No: RDS (Make : Ecotech Model No: AAS	9000,		
Monito	red by		Mr. Rajasekhar Mr. Durga -Env	-Env. En		
Remark	(S	:	Complies		15	RTEQ
Checke	ad by	1.81	Ractable		Rather Authorised by:	Uderabad

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[D.L.No. : 1/RR/AP/2004/AL/G]



TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	11 th June, 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist. Kinnaur		18 th June, 2015
		Date of Reporting	25 th June, 2015
REF No:	STL/EHS/F18006-010/15K		1

NOISE MONITORING REPORT

S.No.	Location		Day	Night	
	Location	Time	Levels in Leg (dBA)	Time	Levels in Leg (dBA)
1	500 KVA DG Set - Log A0500513 Workshop In	No. 10:05 am	74.0	10.10 pm	69.0
2	30 KVA DG Set - Log N A0500432 Main Store	lo. 10.10 am	71.8	10:15 pm	65.7
3	320 KVA DG Set - Log A0500607 BR Intake	No. 10:15 am	73.8	10:25 pm	67.6
4	30 KVA DG Set - Log N A0500634 Main Office	lo 10.20 am	72.0	10:30 pm	66.0
5	320 KVA DG Set - Log A0500386 Power House	No. e MAT 10.25 am	73.6	10:40 pm	67.4
CPCB	Limits	73	5 dBA	70 (i dBA

Sampling is carried out as per Standard methods

Equipment Details : Make : Quest Technologies Model No: SLM 210

Monitored by : Mr. Rajasekhar - Env. Engineer

Remarks : Complies

Compiled by:

Authorised by:

Approved Laboratory by MoEF, OHSAS 18001 and ISO 9001

Website: www.startechlabs.com E-mail: rambabu.g@startechlabs.com, startechlabs@gmail.com

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TEST REPORT

Name of the Industry HCC Limited				Date of Sampling		11 th June, 2015	
Address Pr		Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist: Kinnaur		Date of	Receipt	18th June, 2015	
riduro.		Himachal Prades	h-172107		Date of	Reporting	25 th June, 2015
REF N	0:	STL/EHS/F180	11-015/15K	1.12			
		NOIS	E MONITORIN	IG REP	ORT		
S.No.			D	ay			Night
5.NO.		ation	Time	Ū.	els in (dBA)	Time	Levels in Leg (dBA)
6	625 KVA DG Set - Log No. A0500269 Power House Crushing Plant		10:35 am	7.	4.1	10:45 pm	
7	500 KVA DG Set - Log No. A0500578 Intake Crushing Plant		10.45 am	74	4.0	10:50 pm	68.9
8	125 KVA DG S A0500648 Stor		10.55 am	73	3.7	10:55 pm	66.5
9	250 KVA DG S A0500222 Wor	kshop Intake	11.00 am	73	3.9	11:10 pm	68.2
10	320 KVA DG S A0500635 IPS		11.10 am	74	4.0	11:15 pm	67.9
CPCB	Limits		75 dBA 7			0 dBA	
Sampli	ing is carried o	out as per Stan	dard methods			alah <u>Mangan pan</u> tan Mengaru sa	
Equipr	ment Details :	Make : Qu Model No	iest Technolog SLM 210	ies			
Monito	ored by :	Mr. Ra	jasekhar -Env.	Engine	eer		
Remar	·ks :	Complies				(AB	TO
Comp	iled by:	a jodn		Аu	thorised	i by: *	HAR AND

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TEST REPORT

Name of the industry	Hindustan C Company Li		Date of Sampling	11 th June, 2015
	Kashang Hydro Project -1 (KHE	:P),	Date of Receipt	18 th June, 2015
Address	P.O.Reckong Peo, Dist: Kinnaur Himachal Pradesh-172107		Date of Reporting	25 th June, 2015
Ref No:	STL/EHS/F18016/15		Time of Sampling .	3:40 pm
	STAC	K MONITORI	NG REPORT	
DG Set - I Details:	Details: D.G.Set-500 KVA Log NoJZB00513		Stack Height, m	3.0
Fuel Used	Diesel		Stack Diameter, m	0.15
Control Equipment	Nil		C/s Area, m ²	0.0177
	• F	low Charact	eristics	and a second
Ambient Temp, °C	32.0	Veloci	ty, m/s	10.51
Stack Temp, °C	177	Flow r	ate, Nm³/hr	443
		Emissions D	etails	
Particulate matter (g/k	(W-hr)	0.053		0.3 g/KW-hr
Sulphur dioxide (g/KW	-hr)	0.049	CPCB Standards	9.2 g/KW-hr
Oxides of Nitrogen (g/	KW-hr)	0.118		9.2 g/KW-hr
Sampling and Analys	is carried out	as per IS:11	255	
Equipment Details :	Aero vironn Model No: S		1.000	
Monitored by :	Mr. Durga	ekhar – Env. y – Env. Fiel	d Asst.	
Remarks :	All values	are well with er Consent is	hin the limits as per CI	PCB/MoEF Norms
			0	ST EN
Checked by: Qaa	5 Jacob 18		Authorised	
unconcer of.	8510611)			

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Name	of the Industry	HCC Limited		Date of Sampling	18 th Sep. 2015
Addre	ss	Kashang Hydro Electric I P.O.Reckong Peo,Dist.K	innaur	Date of Receipt	22 nd Sep, 2015
		Himachal Pradesh-1721	07	Date of Reporting	28th Sep, 2015
REEN	v e:	STL/EHS/I24002/15			
Time (of monitoring :	9.40 AM - 9.40 AM	Duration : 2	4hrs	
Wind	speed: 3.0 Kms	/ hr	Wind directi	ion : North West to S	South East
Ambie	ent Air Temp: 2	4.6 °C			
	AME	BIENT AIR QUALITY -	NEAR POWER	HOUSE MAT TUNNEL	
S.No.	P	ARAMETERS	L	IMITS	RESULTS
1	Particulate Ma	atter as PM10 (µg/m³)		100	55.4
2	Particulate M	atter as $PM_{2.5}$ (µg/m ³)		60	13.8
3	Sulphur Dioxi	des as SO ₂ (µg/m³)		80	10.5
4	Nitrogen Diox	ides as NO ₂ (µg/m³)		80	16.1
5	Carbon Mono	xide as CO (μg/m³)		4.0	Nil
6	Ammonia as N	VH3 (µg/m³)		400	23
Sampl	ling and Analy	sis carried out as per	IS : 5182		
Equip	ments Details: ments Details ored by :	Make : Aero Vir Model No: RDS 9 Make : Ecotech Model No: AAS Mr. Rajasekhar - Mr. Durga - En	9000, 127 - Env. Engine	er	
Remai	rks :	Complies			
Compi	iled by :	2 3-10-115	Au	thorised by	erabad -
				145	.O.N
		oved Laboratory by M			
	Website: www.s	tartechlabs.com E-mail: rai	mbabu.g@starte	chlabs.com, startechlabs	@gmail.com

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TEST REPORT

Name of the Industry HCC I imited			Date of Sampling	18th Sep, 2013	
Address Kashang Hydro-Electric Project († 000P.O.Reckong Peo,Dist:Kinnad Himachal Pradesh 172107		IEP),	Date of Receipt Date of Reporting	22 nd Sep. 201 28 th Sep. 201	
REF N	lo:	STL/EHS/124003/15			
Time o	of monitoring : 9	1 0.55 AM 9.55 AM [[Duratio	on : 24hrs	
	speed: 3.1 Kms	the second se	Vind d	lirection : North Wes	t to South East
Ambie	nt Air Temp: 24	1.2 ℃			
	AN	IBIENT AIR QUALITY - NEAR	BR	TUNNEL - INTAKE	
S.No. PARAMETERS		PARAMETERS		LIMITS	RESULTS
1	Particulate Ma	tter as PM ₁₀ (μg/m³)		100	67.2
2	Particulate Matter as PM _{2.5} (µg/m ³)			60	18.1
3	Sulphur Dioxides as SO ₂ (µg/m³)			80	11.3
4	Nitrogen Dioxides as NO2 (µg/m³)			80	16.6
5	Carbon Monox	ide as CO (μg/m³)		4.0	Nil
6	Ammonia as N	H3 (µg/m³)		400	21
Sampl	ing and Analys	is carried out as per IS : 518	2		
Equipr	nents Details: nents Details pred by :	Model No: RDS 9000, Make : Ecotech Model No: AAS 127 Mr. Rajasekhar – Env. En		۲	-
Remar	ks -	Mr. Durga - Env. Execut Complies	live.		
Compi		A Bh mologlis	A	uthorised by: Hyder	abad C
	and the second	oved Laboratory by MoEF, OH artechlabs.com E-mail: rambabu.g@			@gmail.com
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Name o Industr		HCC L	imited		Date of Sampling	18th Sep. 2015
Address Kashang Hydro-Electric Project (K P.O.Reckong Peo,Dist:Kinnaur Himachal Pradesh-172107		HEP).	Date of Receipt Date of Reporting	22 nd Sep, 2015 28 th Sep, 2015		
REF NO	D :	STL/EI	15/124004/15		1	
Time of monitoring : 10.10 AM – 10.10 AM			Dur	ation : 24hrs		
Wind s	peed: 3.1	Kms / hi	ſ	Win	d direction : North W	est to South Eas
Ambien	t Air Ten	np: 25.0	°C			
	AMBIE	INT AIR	QUALITY - NEAR P	OWER	HOUSE CRUSHING	PLANT
S.No.		l	Parameters		Limits	Results
1	Suspen	ded Part	iculate Matter (SPM)	րց/m³	600	295
2	Sulphur Dioxides as SO ₂ (µg/m³)			80	11.5	
3	Nitroge	n Dioxide	es as NO₂ (μg/m³)		80	18.5
Sampli	ng and A	nalysis	carried out as per l	S : 518	32	
	nents Def nents Def red by		Make : Aero Viron Model No: RDS 90 Make : Ecotech Model No: AAS 12 Mr. Rajasekhar – E Mr. Durga – Env.	00, 7 Inv. Er		
Remark	s	:	Complies		1	ABS
Ctecke	ed by	: N	Bharang 116		Authorised by:	Creara 5
					SAS 18001 and ISO Startechlabs.com, startech	

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TEST REPORT 18th Sep. 2015 Name of the Industry **HCC** Limited Date of Sampling Kashang Hydro Electric Preject (KHEP). Date of Receipt 22nd Sep, 2015 P.O.Reckong Peo, Dist: Kinnaur Address Date of Reporting 28th Sep, 2015 Himachal Pradesh-172107 S11/EHS/124005/15 REF No: Time of monitoring : 9.30 AM - 9.30 AM Duration : 24hrs Wind direction : North West to South East Wind speed: 2.9 Kms / hr Ambient Air Temp: 23.8 °C AMBIENT AIR QUALITY - NEAR IPS TUNNEL - PANKI VILLAGE RESULTS LIMITS PARAMETERS S.No. 100 60.5 1 Particulate Matter as PM₁₀ (µg/m³) 14.6 60 2 Particulate Matter as $PM_{2.5}$ (µg/m³) 12.5 80 3 Sulphur Dioxides as SO_2 (µg/m³) 80 17.3 Nitrogen Dioxides as NO_2 ($\mu g/m^3$) 4 4.0 Nil Carbon Monoxide as CO (µg/m³) 5 28 400 Ammonia as NH₃ (µg/m³) 6 Sampling and Analysis carried out as per IS : 5182 Make : Aero Vironment Equipments Details: Model No: RDS 9000. Make : Ecotech **Equipments Details** Model No: AAS 127 Mr. Rajasekhar - Env. Engineer Monitored by Mr. Durga - Env. Executive. Remarks Complies : A 31- 33/34/12 60.30 Hyderabac Authorised by: **Compiled** by

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Approved Laboratory by MoEF, OHSAS 18001 and ISO 9001 Website: www.startechlabs.com E-mail: rambabu.g@startechlabs.com, startechlabs@gmail.com

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	19th Sep, 2015	
	Kashang Hydro-Electric Project (KHEP)	Date of Receipt	22 nd Sep, 20 1	
Address	P.O.Reckong Peo, Dist Kinnaur Himachal Pradesh-172107	Date of Reporting	28th Sep, 2015	
REF No:	STL/EHS/124006/15			
Time of monitoring : 9.45 AM - 9.45 AM		Duration : 24hrs		
Wind speed: 3.2 Kms / hr		Wind direction : North West to South East		

Ambient Air Temp: 24.5 °C

AMBIENT AIR QUALITY - NEAR INTAKE CRUSHING PLANT

S.No.	Parameters	Limits	Results
1	Suspended Particulate Matter (SPM) µg/m³	600	322
2	Sulphur Dioxides as SO ₂ (µg/m³)	80	11.8
3	Nitrogen Dioxides as NO2 (µg/m³)	80	18.5

Sampling and Analysis carried out as per IS : 5182

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Equipments Details: Make : Aero Vironment Model No: RDS 9000, Equipments Detail-Make : Ecotech Model No: AAS 127 Monitored by : Mr. Rajasekhar - Env. Engineer Mr. Durga - Env. Executive.

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Remarks

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IEST REPORTName of the IndustryHCC LimitedDate of Sampling19th Sep. 2015AddressInstang Hydro Electric Project (KHEP),
P.O.Reckong Peo, Dist: Kinnaur
Himachal Pradesh-172107Date of Receipt22nd Sep. 2015REF No:STL/EHS/I24018/15STL/EHS/I24018/15STL/EHS/I24018/15

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DRINKING WATER - AT INTAKE AREA

S.No.	Parameter	Methods	Desirable Limits As Per IS 10500	Results
1	Color (Hazen units)	APHA 2120C	5	Nil
2	Odor		Agreeable	Agreeable
3	Taste		Agreeable	Agreeable
4	Turbidity (NTU)	APHA 2130B	5	Nil
5	pH	APHA 4500B	6.5-8.5	7.12
6	Total Hardness as CaCO ₃ (mg/L)	APHA 2340C	300	26.8
7	Iron as Fe (mg/L)	APHA 3500B	0.3	Nil
8	Chlorides as Cl (mg/L)	APHA 4500B	250	8.4
9	Residual free chlorine (mg/L)	APHA 4500B	0.2	Nil
10	Dissolved solids (mg/L)	APHA 2540C	500	64
11	Calcium as Ca (mg/L)	APHA 3500B	75	9.5
12	Magnesium as Mg (mg/L)	APHA 3500B	30	1.0
13	Copper as Cu (mg/L)	APHA 3500B	0.05	Not Detected
14	Manganese as Mn (mg/L)	APHA 3500B	0.1	Not Detected
15	Sulphates as SO4 (mg/L)	APHA 4500E	200	7.8
16	Nitrate as NO ₃ (mg/L)	APHA 4500B	45	1.5
17	Fluoride as F (mg/L)	PHA 4500D	1.0	Nil
Check	ed by : $A^{\frac{1}{1}}$	A	uthorized by: Com	EXCHLA EXCHLA EXCHLA

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				19th Sep. 2015	
		P.O. Reckong Peo, Dist: Kinnaur			22 nd Sep. 2015 28 th Sep. 2015
REF N	0:	STL/EHS/124018/15			-
		DRINKING WATE	R – AT INTA	KE AREA	
S.No.	Pa	arameter	Methods	Desirable Limits As Per IS 10500	Results
18	Phenolic Comp	ounds C ₆ H ₅ OH (mg/L)	APHA 5530	D 0.001	Nil
19	Mercury as Hg			0.001	Not Detected
20	Cadmium as Co	1 (mg/L)	APHA 3500	0.01	Not Detected
21	Selenium as So (APHA 3500	0 0.01	Not Detected
22	Arsenic as As (mg		APHA 3500	В 0.01	Nil
23	Cyanide as CN (m	the second s		0.05	Nil
24	Lead as Pb (mg/l	and the second se	APHA 3500	B 0.05	Not Detected
25	Zinc as Zn (mg	/L)	APHA 3500	B 5	Not Detecte
26	Chromium as C	and a second	APHA 3500	0.05 O.05	Nil
27	Mineral Oil (mg	ı/L)		0.01	Nil
28	Boron as B (mg	1/L)	APHA 4500	DB 1.0	Nil
29	Aluminium as A	(mg/L)	APHA 3500	0B 0.03	Not Detecte
30	Total Alkalinity	as CaCO ₃ (mg/L)	APHA 2320)B 200	30.5
31	Pesticides (mg	/L)	APHA 2320)B Absent	Absent
32	Total Coliform			Should be absent	Absent
33	E.Coli			Should be absent	Absent
Sampl	e Collected by	: Mr. Raja	sekhar – Env	. Engineer	
Remai	ks: Analysed a	s per given sample.			FHICK
Check	ed by :	35/29/115		Authorized by:	therabad ST
		oved Laboratory by M	OFF OHSAS	18001 and ISO 9001	

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Name (of the Industry	HCC Limited		Date of Sampling	19 th Sep, 2015	
	· · · · · · · · · · · · · · · · · · ·	Kashang Hydro Electr	ic Project (KHEP)	Date of Receipt	22 nd Sep, 2015	
Addres	SS	P.O.Reckong Peo, Dis Himachal Pradesh-17	st: Kinnaur 2107	Date of Reporting	28th Sep, 2015	
REF N	0:	STL/EHS/124019/1	5			
		DRINKING WATER	- AT IPS - PAN	GI VILLAGE		
S.No.	Par	ameter	Methods	Desirable Limits As Per IS 10500	1 Results	
1	Color (Hazen unit	s)	APHA 2120C	5	Nil	
2	Odor			Agreeable	Agreeable	
3	Taste			Agreeable	Agreeable	
4	Turbidity (NTU)		APHA 2130B	5	Nil	
5	pH		APHA 4500B	6.5-8.5	7.04	
6	Total Hardness as CaCO ₃ (mg/L)		APHA 2340C	300	30.3	
7	Iron as Fe (mg/L)		APHA 3500B	0.3	Nil	
8	Chlorides as C	and the second se	APHA 4500B	250	8.9	
9		chlorine (mg/L)	APHA 4500B	0.2	Nil	
10	Dissolved soli	and the second	APHA 2540C	500	85	
11	Calcium as Ca		APHA 3500B	75	6.3	
12	Magnesium as	Construction and the second	APHA 3500B	30	1.0	
12	Copper as Cu	and the second sec	APHA 3500B	0.05	Not Detected	
14	Manganese as	and and a second s	APHA 3500B	0.1	Not Detected	
15	Sulphates as		APHA 4500E	200	5.2	
16	Nitrate as NO ₃ (mg/L)		APHA 4500B	45	0.04	
17	Fluoride as F	and the second	APHA 4500D	1.0	Nil	
I	ked by :	ABLough	5	Authorized by:	The start of the s	

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Name of the Industry	HCC Limited	Date of Sampling	19 th Sep. 2015
	Kashang Hydro-Electric Project (KHLP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	22 nd Sep, 2015
Address	Himachal Pradesh 72107	Date of Reporting	28th Sep, 2015.
REF No:	STL/EHS/124019/15		

TEST REPORT

DRINKING WATER - AT IPS - PANGI VILLAGE

S.No.	Parameter	Methods	Desirable Limits As Per IS 10500	Results
18	Phenolic Compounds C ₆ H ₅ OH (mg/L)	APHA 5530D	0.001	Nil
19	Mercury as Hg (mg/L)		0.001	Not Detected
20	Cadmium as Cd (mg/L)	APHA 3500	0.01	Not Detected
21	Selenium as Se (mg/L)	APHA 3500	0.01	Not Detected
22	Arsenic as As (mg/L)	APHA 3500B	0.01	Not Detected
23	Cyanide as CN (mg/L)		0.05	Nil
24	Lead as Pb (mg/L)	APHA 3500B	0.05	Nil
25	Zinc as Zn (mg/L)	APHA 3500B	5	Not Detected
26	Chromium as Cr ⁺⁶ (mg/L)	APHA 3500B	0.05	Not Detected
20	Mineral Oil (mg/L)		0.01	Nil
28	Boron as B (mg/L)	APHA 4500B	1.0	Nil
29	Aluminium as Al (mg/L)	APHA 3500B	0.03	Nil
30	Total Alkalinity as CaCO ₃ (mg/L)	APHA 2320B	200	34.5
31	Pesticides (mg/L)	APHA 2320B	Absent	Absent
32	Total Coliform		Should be absent	Absent
33	E.Coli		Should be absent	Absent

Sample Collected by

Mr. Rajasekhar - Env. Engineer

Remarks: Analysed as per given sample.

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TEST REPORT 19th Sep, 2015 Date of Sampling **HCC** Limited Name of the Industry 22nd Sep. 2015 Date of Receipt Kashang Hydro Electric Project (KHEP), P.O.Reckong Peo, Dist: Kinnaur Address 28th Sep, 2015 Date of Reporting Himachal Pradesh-172107 STL/EHS/124020/15 REF No: DRINKING WATER - AT POWER HOUSE AREA **Desirable Limits** Results Methods Parameter As Per IS 10500 S.No. Nil 5 **APHA 2120C** Color (Hazen units) 1 Agreeable Agreeable Odor 2 Agreeable Agreeable Taste 3 Nil 5 **APHA 2130B** Turbidity (NTU) 4 7.28 6.5-8.5 **APHA 4500B** 5 pH 52.4 300 APHA 2340C Total Hardness as CaCO₃ (mg/L) 6 Nil 0.3 **APHA 3500B** Iron as Fe (mg/L) 7 18.5 250 **APHA 4500B** Chlorides as CI (mg/L) 8 Nil 0.2 **APHA 4500B** Residual free chlorine (mg/L) 9 124 APHA 2540C 500 Dissolved solids (mg/L) 10 18.4 APHA 3500B 75 Calcium as Ca (mg/L) 11 6.4 30 **APHA 3500B** Magnesium as Mg (mg/L) 12 Not Detected 0.05 **APHA 3500B** Copper as Cu (mg/L) 13 Not Detected 0.1 **APHA 3500B** Manganese as Mn (mg/L) 14 9.2 200 **APHA 4500E** Sulphates as SO4 (mg/L) 15 1.8 **APHA 4500B** 45 Nitrate as NO3 (mg/L) 16 AI HA 4500D 1.0 Fluoride as F (mg/L) 17 1: 13 + 10 - 115 Authorized by: Loss Checked by :

Approved Laboratory by MoEF, OHSAS 18001 and ISO 9001

Website: www.startechlabs.com E-mail: rambabu.g@startechlabs.com, startechlabs@gmail.com

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TEST REPORT 19th Sep. 2015 Date of Sampling **HCC** Limited Name of the Industly 22nd Sep, 2015 Kashang Hydro-Electric Project (KHLP), Date of Receipt P.O.Reckong Peo, Dist: Kinnaur Date of Reporting 28th Sep. 2015 Address Himachal Pradesh-172107 STL/EHS/124020/15 REE No: DRINKING WATER - AT POWER HOUSE AREA **Desirable Limits** Results Methods As Per 1S 10500 Parameter S.No. Nil 0.001 APHA 5530D Phenolic Compounds C₆H₅OH (mg/L) 18 Not Detected 0.001 Mercury as Hg (mg/L) 19 Not Detected 0.01 APHA 3500 Cadmium as Cd (mg/L) 20 Not Detected 0.01 APHA 3500 Selenium as Se (mg/L) 21 Not Detected 0.01 APHA 3500B Arsenic as As (mg/L) 22 Nil 0.05 Cyanide as CN (mg/L) 23 Nil 0.05 **APHA 3500B** Lead as Pb (mg/L) 24 Not Detected 5 APHA 3500B Zinc as Zn (mg/L) 25 Not Detected 0.05 **APHA 3500B** Chromium as Cr+6 (mg/L) 26 Nil 0.01 Mineral Oil (mg/L) 27 Nil 1.0 **APHA 4500B** Boron as B (mg/L) 28 Nil 0.03 APHA 3500B Aluminium as AI (mg/L) 29 55.5 200 APHA 2320B Total Alkalinity as CaCO3 (mg/L) 30 Absent Absent **APHA 2320B** Pesticides (mg/L) 31 Absent Should be absent **Total Coliform** 32 Absent Should be absent E.Coli 33 Mr. Rajasekhar - Env. Engineer Sample Collected by Remark: Analysed as per given sample. Authorized by: Rom Checked by :

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Approved Laboratory by MoEF, OHSAS 18001 and ISO 9001 Website: www.startechlabs.com E-mail: rambabu.g@startechlabs.com, startechlabs@gmail.com

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		TE	ST REPORT		
Mana	of the Industry	HCC Limited		Date of Sampling	19th Sep. 2015
Vame	or the mutaty	Kashang Hydro Electri	Kashang Hydro-Electric Project (KHEP), P.O.Reckong Peo, Dist: Kinnaur Himachal Pradesh-172107		22nd Sep. 2015
Addres	55	P.O.Reckong Peo, Dis			28th Sep, 2015
REEN	0.	S11/EHS/124021/1	5		
		DRINKING WA	TER – AT MAIN	OFFICE	
S.No.	Par	ameter	Methods	Desirable Limits As Per IS 10500	RESILLS
1	Color (Hazen unit	s)	APHA 2120C	5	Nil
2	Odor			Agreeable	Agreeable
2	Taste			Agreeable	Agreeable
3	Turbidity (NTU)		APHA 2130B	5	Nil
	pH		APHA 4500B	6.5-8.5	7.2
5		s as CaCO3 (mg/L)	APHA 2340C	300	4.6
6	Iron as Fe (mg	- in the second s	APHA 3500B	0.3	Nil
	Chlorides as C		APHA 4500B	250	3.8
8		chlorine (mg/L)	APHA 4500B	0.2	Nil
9	Dissolved soli	and the second sec	APHA 2540C	500	28
10	Calcium as Ca	and the second se	APHA 3500B	75	1.4
	Magnesium as		APHA 3500B	30	1.3
12	Copper as Cu	and the second sec	APHA 3500B	0.05	Not Detected
13	Manganese as	and the second se	APHA 3500E	3 0.1	Not Detected
14	Sulphates as		APHA 4500E		Nil
	Nitrate as NO	Contraction of the second s	APHA 4500E	3 45	Nil
			APHA 45001	1.0	Nil
	Fluoride as F		1		

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Name of the Industry	HCC Limited	Date of Sampling	19 th Sep., 2015
		Date of Receipt	22 nd Sep, 2015
Address	P.O.Reckong Peo, Dist: Kinnaur Himachal Pradesh-1721	Date of Reporting	28th Sep. 2015
RET No:	STL/EHS/124021/15		

DRINKING WATER - AT MAIN OFFICE

S.No.	Parameter	Methods	Desirable Limits As Per IS 10500	Results
18	Phenolic Compounds C ₆ H ₅ OH (mg/L)	APHA 5530D	0.001	Nil
19	Mercury as Hg (mg/L)		0.001	Not Detected
20	Cadmium as Cd (mg/L)	APHA 3500	0.01	Not Detected
21	Selenium as Se (mg/L)	APHA 3500	0.01	Not Detected
22	Arsenic as As (mg/L)	APHA 3500B	0.01	Not Detected
23	Cyanide as CN (mg/L)		0.05	Nil
24	Lead as Pb (mg/L)	APHA 3500B	0.05	Nil
25	Zinc as Zn (mg/L)	APHA 3500B	5	Not Detected
26	Chromium as Cr ⁺⁶ (mg/L)	APHA 3500B	0.05	Not Detected
27	Mineral Oil (mg/L)	Aut 115 BF	0.01	Nil
28	Boron as B (mg/L)	APHA 4500B	1.0	Nil
29	Aluminium as Al (mg/L)	APHA 3500B	0.03	Nil
30	Total Alkalinity as CaCO ₃ (mg/L)	APHA 2320B	200	12.5
31	Pesticides (mg/L)	APHA 2320B	Absent	Absent
32	Total Coliform		Should be absent	Absent
33	E.Coli		Should be absent	Absent

Sample Collected by : Mr. Rajasekhar - Env. Engineer

Remarks: Analysed as per given mample.

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TEST REPORT

Name of the Industry	HCC Limited	Date of Sampling	19th Ser 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P O Reckong Peo, Dist: Kinnaur	Date of Receipt	22 nd Sep. 2015
Address	Himachal Pradesh-172107	Date of Reporting	28th Sep. 2015
REF No:	STL/FHS/I24022/15		

WASTE WATER - FROM OFFICERS MESS - RECKONG PEO

S.Nu.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	pH	APHA 4500B	5.5-9.0	6.91
2	Total Suspended Solids (mg/L)	APHA 2540D	200	61
3	Oil & Grease (mg/L)	APHA 5520B	10	1.0
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	58.4
5	Biological Oxygen Demand 3 days at 27°C (mg/L)	APHA 5210B	30	16
6	Total Residual Chlorine (mg/L)	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

Sample collected by:

Mr. Rajasekhar - Env. Engineer

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Name of the Industry	FFC Limited	Date of Sampling	19th Sep. 2015
Address	Kashang Hydro-Electric Project 1 (KHEP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	22 nd Sep, 2015
	Himachal Pradesh-172107	Date of Reporting	28 th Sep, 2015
REF No:	STL/EHS/124023/15		

WASTE WATER - FROM WORKERS CAMP/OFFICERS CAMP - INTAKE

S.Nu.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	pH	APHA 4500B	5.5-9.0	6.99
2	Total Suspended Solids (mg/L)	APHA 2540D	200	46
3	Oil & Grease(mg/L)	APHA 5520B	10	2.8
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	82.2
5	Biological Oxygen Demand 3 days at 27°C(mg/L)	АРНА 5210В	30	24
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

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Sample collected by: Mr. Rajasekhar - Env. Engineer 1000 ABAT 25/04/15 Compiled by : Authorised by

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Name of the Industry	HCC Limited	Date If Sampling	19th Sep. 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O. Reckong Peo, Dist: Kinnaur	Date of Receipt	22 nd Sep, 2015
Address	Himachal Pradesh-172107	Date of Reporting	28th Sep, 2015
REF No:	S11/EHS/I24024/15		

WASTE WATER - FROM WORKERS CAMP/OFFICERS CAMP - POWER HOUSE

5.No.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	рН	APHA 4500B	5.5-9.0	7.11
2	Total Suspended Solids (mg/L)	APHA 2540D	200	35
3	Oil & Grease(mg/L)	APHA 5520B	10	1.0
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	66.2
5	Biological Oxygen Demand 3 days at 27°C(mg/L)	АРНА 5210В	30	25
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

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Sample collected by:

Mr. Rajasekhar - Env. Engineer Authorised by P1S

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Name of the Industry	HCC Limited	Date of Sampling	18th Sep, 2015
	Kashang Hydro-Electric Project -1 (KHEP), P.O. Reckong Peo, Dist: Kinnaur	Date of Receipt	22 nd Sep, 2015
Address	Himachal Pradesh-172107	Date of Reporting	28th Sep, 2015
REF No:	STL/EHS/I24025/15		

WASTE WATER - FROM SEDIMENTATION TANK - BATCHING PLANT - POWER HOUSE

S.No.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	рН	APHA 4500B	5.5-9.0	6.89
2	Total Suspended Solids (mg/L)	APHA 2540D	200	96
3	Oil & Grease(mg/L)	APHA 5520B	10	3.2
4	Chemical Oxygen Demand (mg/L)	g/L) APHA 5220B	250	118.5
5	Biological Oxygen Demand 3 days at 27°C (mg/L)	APHA 5210B	30	28
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

Sample collected by:

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Mr. Raj sekhar – Env. Engineer

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Name of the Industry	HCC Limited	Date of Sampling	19th Sep. 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	22 nd Sep, 2015
		Date of Reporting	28 th Sep, 2015
REF No:	STL/EHS/124026/15		

WASTE WATER - FROM SEDIMENTATION TANK - BATCHING PLANT - INTAKE

S.Nv.	Parameter	Methods	As per APPCB/CPCB Limits	Results
1	рН	APHA 4500B	5.5-9.0	7.35
2	Total Suspended Solids (mg/L)	APHA 2540D	200	44
3	Oil & Grease(mg/L)	APHA 5520B	10	1.5
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	85.0
5	Biological Oxygen Demand 3 days at 27°C (mg/L)	АРНА 5210В	30	23
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

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Sample collected by:

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Mr. Rajasekhar - Env. Engineer

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Name of the Industry	HCC Limited	Date of Sampling	19th Sep, 2015
Address	Kashang Hydro-Electric Project -1 (KHEP), P.O.Reckong Peo, Dist: Kinnaur	Date of Receipt	22 nd Sep, 2015
	Himachal Pradesh-172107	Date of Reporting	28th Sep. 2015
REF No:	STL/EHS/124027/15		· · · · · · · · · · · · · · · · · · ·
NET NO.	STL/EHS/124027/15		

WASTE WATER - FROM SEDIMENTATION TANK - CRUSHING PLANT - POWER HOUSE

S.No.	Paramotor	Methods	As per APPCB/CPCB Limits	Results
1	pH	APHA 4500B	5.5-9.0	7.22
2	Total Suspended Solids (mg/L)	APHA 2540D	200	36
3	Oil & Grease(mg/L)	APHA 5520B	10	1.5
4	Chemical Oxygen Demand (mg/L)	APHA 5220B	250	96.2
5	Biological Oxygen Demand 3 days at 27°C (mg/L)	APHA 5210B	30	22
6	Total Residual Chlorine	APHA 4500B	1.0	Nil

Sampling and Analysis carried out as per APHA

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Sample collected by:

Mr. Rajasekhar - Env. Engineer A Blogs

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		TEST	REPORT		
Name	of the Industry	HCC Limited		Date of Sampling	19th Sep. 2015
Addre		Kashang Hydro-Electric P.O.Reckong Pco, Dist Himachal Pradesh-1721	Kinnaur	Date of Receipt Date of Reporting	22 nd Sep , 2019 28 th Sep , 2015
REF N	lo:	STL/EHS/124028/15	i		
	WASTE WATE	R - FROM SEDIMENT	ATION TANK -	CRUSHING PLANT	- INTAKE
S.No.	Pa	rameter	Methods	As per APPCB/CP(Limits	CB Results
1	рН		APHA 4500B	5.5-9.0	7.16
2	Total Suspend	led Solids (mg/L)	APHA 2540D	200	86
3	Oil & Grease(mg/L)	APHA 5520B	10	1.5
4	Chemical Oxy	gen Demand (mg/L)	APHA 5220B	250	106.4
5	Biological Oxyge at 27°C(mg/L)	n Demand 3 days	АРНА 5210В	30	26
6	Total Residual C	hlorine	APHA 4500B	1.0	Nil
Samp	l ling and Analys	sis carried out as p	er APHA		
Samp	e collected by:	Mr. Rajasekh	ar – Env. Engine	eer	
Comp	led by :	A. Btorn	5	Authorised by	2
L	Appr	oved Laboratory by	MoEF, OHSAS	18001 and ISO 9001 hlabs.com, startechlabs@	Ogmail.com

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Address P.O.Rec		P.O.Reckong Peo,	CC Limited ashang Hydro Electric Project -1 (KHEP), .O.Reckong Peo, Dist: Kinnaur imachal Pradesh -172107		Date of Sampling Date of Receipt Date of Reporting		18 th Sep. 2015 22 ^{ed} Sep. 2015 28 th Sep. 2015	
REF N	lo:	STL/EHS/12400	7 011/15					
		NOIS	E MONITORI	NG REP	ORT			
C N-	Location		Day				Night	
S.No.			Time	Leve Leg (Time	Levels in Leq (dBA)	
1		500 KVA DG Set - Log No. A0500513 Workshop Intake		73		10.05 pm	69.8	
2	30 KVA DG Set - Log No. A0500432 Main Store 320 KVA DG Set - Log No. A0500607 BR Intake 30 KVA DG Set - Log No. A0500634 Main Office		10.40 am	70	.5	10:10 pm	64.2	
3			10·45 am	73	2	10:15 pm	68.1	
4			10.55 am	71	.0	10:25 pm	65.2	
5	320 KVA DG S A0500386 Pov	11.00 am 73.4		.4	10:30 pm	68.0		
CPCB Limits			75 dBA			70 dBA		
Sampl	ing is carried	out as per Stand	dard method	s .		1		
Equip	ment Details :		est Technolo	gies				
		Model No:		- :			and for a set final second	
Monito	ored by :	Mr. Rajase	ekhar – E nv .	Enginee	1			
Rema	rks :	Complies					1	
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Name of the Industry HCC 1 imited				Date of Sampling		19th Sep. 2015		
Address		Kashang Hydro Łlectric Project -1 (KHL+), P.O.Reckong Peo, Dist: Kinnaur Himachal Pradesh-172107			Date of Receipt Date of Reporting		22 nd Sep. 2015 28 th Sep. 2015	
		NOIS	SE MONITORI	NG REP	ORT			
				Day		1	Night	
S.No.	Location		Time	Levels in Leq (dBA)		Time	Levels in Leg (dBA)	
6	625 KVA DG Set - Log No. A0500269 Power House Crushing Plant		11:10 am	74	.2	10:40 pm	69.1	
7	500 KVA DG Set - Log No. A0500578 Intake Crushing Plant		11.20 am	73	.8	10:50 pm	68.6	
8	125 KVA DG Set - Log No. A0500648 Stores Intake		11.30 am	72	.3	11:05 pm	65.5	
9	250 KVA DG Set - Log No. A0500222 Workshop Intake		11.35 am	73	.0	11:15 pm	67.5	
10	320 KVA DG Set - Log No. A0500635 IPS Tunnel		11.45 am	73.6		11:20 pm	67.6	
CPCB Limits			75	dBA		70 dBA		
Sampl	ing is carried o	out as per Stan	dard method	s	and the second			
Equip	ment Details :		uest Technolo : SLM 210	gies		2		
Monito	ored by :	Mr. Raja	sekhar – Env.	Enginee	21			
Remar	ks :	Complies					ABO	
Compi	led by:	31.0011	5	Au	? thorise	a by:	Hycersides, I-T	

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19th Sep, 2015 Name of the Industry **HCC** Limited Date of Sampling Kashang Hydro Ele Iric Project 1 22nd Sep. 2015 Date of Receipt (KHEP), P.O.Reckong Peo. Address Dist: Kinnaur 28th Sep, 2015 Date of Reporting Himachal Pradesh-172107 Ref No: STL/EHS/124017/15 Time of Sampling 2:15 pm STACK MONITORING REPORT D.G.Set-500 KVA Details Stack Height, m 3.0 Log No. -JZB00513 0.15 Fuel Used Diesel Stack Diameter, m 0 0177 **Control Equipment** Nil C/s Area, m² **Flow Characteristics** 15.01 24.9 Velocity, m/s Ambient Temp, ^oC Stack Temp, ^OC 236 Flow rate, Nm3/hr 559 **Emissions Details** Particulate matter, mg/Nm³ 52.8 115 **CPCB** Standards Sulphur dioxide, mg/Nm3 46.1 800 90.7 805 Oxides of Nitrogen, mg/Nm³ Sampling and Analysis carried out as per IS:11255 Equipment Details : Aero vironment Model No: SEA 90 Monitored by Mr. Rajasekhar - Env. Engineer 2 Mr. Durga - Env. Executive. Remarks -All values are well with in the limits as per CPCB/MgE Norms and As per Consent issued 1 AF ivde:abad A 131-Lass Authorized by : Checked₁by

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fied to fill up the seats reserved for Terrorist ied, Disabled Persons, Kashmiri Migrants and alEx-servicemen for admission to B.Tech. (Agril, amme for the academic session 2010-11 from the CET-2010 conducted by the Punjab Technical ir and residing in Punjab and Union territory of igibility given below:

cal group) or equivalent with at least 45% marks in

emade strictly on merit in CET conducted by PTU. idates may appear for interview in the office of the incultural Engineering & Tech., PAU, Ludhiana on im along with original certificates/testimonials, their hree passport size Photographs. The selected to deposit the fee approximately Rs. 31,000 at the o to fill up the prescribed application forms available the Addl. Director Communication, Centre for International-Linkages, by paying Rs. 1000 (cost of Registrar ication form).

Public Notice

It is brought to the notice of the general-public that Integrated Kashang Hydro Electric Project (243 MW) of Himachal Pradesh Power Corporation Ltd. at village Pangi, Lippa and Asrang in the District Kinnaur (H.P.) has been accorded. Environmental clearance by the Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, C.G.O. Complex Lodhi Road, New Delpi-110003 vide letter No. J-12011/8 /2007-/A.I dated 16-04-2010. Copies of the clearance letters are available with the H.P State Environment Protection & Pollution Control Board Paryavaran Bhawan, Phase-III, New Shimla-171.009 and may also be seen at website of the Ministry of Environment & Forest at www.envfor.nic.in and also, at official site of HPPCL at www.hppcl.gov.in:

The Tribune dated 7/06/20/0

General Manager IKHEP, HPPCL Kinfed Building, R/Peo, Kinnaur, Intake Struct

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32 Distt: Saharanpur (UP) on behalf of President of India invites applications on the date as shown here under from contractors working with other departments meeting eligibility criteria for selection of contractors for issue of tender of

にのうち	tor	Cost of tender	Last date	Eligibility Criteria		Date of	Last date
A	Amount of earnest money for contractor not enlisted with MES		of receipt of Appli- cation	For MES Enlisted contractors	For other contractors	issue of tender	of tender
2	Rs. 19,000.00 in the shape of Call Deposit, Receipt from any Scheduled Bank in favour of GE.	Bankers Cheque	21 Jun, 2010	Class 'E' category 'c'	(a) Meeting: enlistment criteria of MES with regard to having	On or after 22 Jun, 2010	As given ir tender documents
いたいことの方に見ていたい	(AF) Sarsawa, BGB not acceptable. Rs. 22:000.00 in the shape of Call Deposit Receipt from any Scheduled Bank in favour of GE. (AF) Sarsawa, BGB not acceptable.	in favour of Garrison	21 Jun, 2010	Class 'E' I category 'c'	satisfactorily completed requisite value works, annual turnover,	On or after 22 Jun, 2010	
Ę	Rs:26:000.00 in the shape of Call Deposit Beceipt from any Scheduled Bank in favour of GE /AE) Sarsawa: BGB not acceptable.	payable at Air Force Station Sarsawa/ Saharanpur.	21 Jun, 2010	Class 'E' category 'c'	Working Capital, Fixed Assets etc. (b) No recovery outstanding in any Govt. Deptt.	On or after 22 Jun, 2010	

gibility Criteria" given above may also apply. Accepting Officer may consider such applications in the event of inadequate

D/Bankers Cheque towards Cost of tender shall not be considered for issue of tender.

toenclose necessary documents to prove their eligibility as given above including Affidavit for no recovery outstanding. Ethe applicant shall be refunded the cost of tender. However, contractor may appeal to next higher Engineer Authority application for issue of tender whose decision shall be final and binding and contractor shall not be entitled to of tender.

site www.mes.gov.in. Full notice of Tender IAFW-2162 & Enlistment Criteria is available in all offices of MES and also.

Sd/- (Simon Paulose) Major, GE/AF Sarsawa.

गरवरखान पर खर्चा आता तता बसे आधे रास्ते में हो। क जेस के आधे सरते में

ईतजार करना पड़ता है। जी के मार्गी परम्सबसे अधिक प्रेश आती है। लोगों का मार्गो पर आती हैं। आधे रास्तों उन्हें पेदल हो अपने गंतव्य तन जाता पडता है। चंबा डिपों बसे जीरो बुक जेल्य को है। प्राप्ती बसो को चरणबद्ध तर के स ह पढानकोट में 40, धर्मशाला में 36, पालमपुर 29, बेजनाथ

जी सुरत में लोगों को या. 134, कुलू 24, मंडी 30, सुंदरनगर 26 ा अपने गतव्या स्थानी तकः सरकाघाट 22, बिलासपर 30, ह गीरपुर ते हैं था। फिर घंटो, दुसरी, 25, देहरा 24, ऊना 29, नालागढ, 28, नाहन 30, सोलन 25, रिकॉग पिओ 11 रामपुर 24, रोहड 27, शिमला लोकल 27 शिमला ग्रामीण 27 व कि पहले ही सिनी चुनी तारादेवी डिप्रों में छह बसे जोग बुक वेल्यू को शामिल हैं। हिमाचल बसों के खराब हो। जाने की अपरिवहन निगम के एमडी भरत खेडा ने बेक्सया कि इस वर्ष 200 नई वसे खरीदी जा रही हैं। निगम के पास

मरम्मन पर लग जाला उ

आय से ज्यादा ऐसा

with a pay standard

सालाना पास कर

7/6/10

10th, 12th

पास या फल

विदार्श सीधे

Annexure - I"

हटा कर उन के स्थात पर जः बसे शामिल की जा रही है। हिमाचल प्रदेश पॉवर निगम लिमिटेड



(प्रदेश संग्कार का उपक्रम) एकोकृत काशग, एचईपी, सिकंगिपिओ, जिला किलोग, हि, प्र दूरभाष∕ फेक्स, 01786-222001, 223992

सार्वजनिक सूचनाः साधारण को सचित किया जाता है कि हिमाचल प्रदेश घावर र्णाशन लिमिटिड द्वारा बना जा रही एकीकृत काशग जल के परियोजना 243 मेगावाट जो कि गांव पांगी, लिप्पा क किए जिला किसोर हिमाचल प्रदेश में स्थित है, को भारत क्रमाके पर्यावरण एव वन मंत्रालय एयविरम भवन जोंडी काम्पलेक्स, लोधी रोड, नई दिल्ली–110003 के पत्र ख्या में - /12011/81/2007 - 1A 1 dated 16:04:2010 टारा र्ववरण सम्बन्धी स्वीकृति प्रदान कर दी गई है। स्वीकृति पत्री की तैलिपियाँ हिमाचल प्रदेश पर्यावरण सुरक्षा एवम् प्रदृष्ण यसणा परिषद, फोज-1111, न्यू शिमला-171009 के कार्यलय मे गलब्ध हे तथा पयोवरण एवम् वन मंत्रालय की वेबसाइट hep:/www.envfor.nlc.in/ तथा हिमाचल प्रदेश पातर कारपोरेजन लिपिटिंड की वेबसाइंट http://www.hppcl:gov.in गर देखी जा सकती है।

DIVYO HIMOCHON IND-7/6/Dis/0

Li di di di

संहाप्रबन्धक, एकीकृत काशन जल, विद्युत परियोजना हिंगाचल प्रदेश पॉवर कारपोरेशन लिभिटिड. रिकांग पिओ, जिला किन्नौर।