

### **AREA MINIMUM CERTIFICATE**

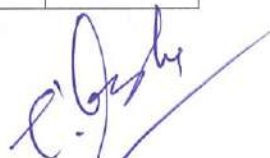
Certified that the "proposed diversion of **0.3891 Ha.** of forest land in Amangal division for Hassan Cherlapalli LPG Pipeline (HCPL) Project".

Also certified that any other forest land has not taken for this project. We also hereby undertake that no taking of fresh forest land shall be carried out during execution of the Project.

The extent of forest land required is as follows:

Division Name	Block Name	Length in Mts	Width in Mts	Area in Ha
Amangal	Turkayamjal RF	459.97	2	0.0920
	Mangalapally RF	1485.45		0.2971
<b>Total</b>		<b>1945.42</b>		<b>0.3891</b>

Date:-14.02.2020

  
इम्तियाज़ अरशाद/IMTIYAZ ARSHAD  
महाप्रबंधक-पाईपलाइन परियोजनाएँ  
General Manager-Pipe Line Projects  
हासन चेरलापल्ली एल पी जी पाईपलाइन  
Hassan Cherlapalli LPG Pipe Line  
हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
Hindustan Petroleum Corporation Ltd.

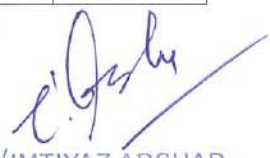
### **CERTIFICATE**

It is certified that, all the possibilities to avoid forest land for the project have been explored and it is found that no alternative suitable non-forest land is technically feasible and viable to that part of the work for which diversion has been proposed for the purpose of "proposed diversion of **0.3891 Ha.** of forest land in Amangal division for Hassan Cherlapalli LPG Pipeline (HCPL) Project".

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**Undertaking**  
**To Pay Net Present Value**

We hereby undertake to pay Net Present Value (NPV) as per guidelines under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 in accordance with the orders of the Hon'ble Supreme Court of India/ State Govt and MoEF in respect of "proposed diversion of **0.3891 Ha.** of forest land in Amangal division for Hassan Cherlapalli LPG Pipeline (HCPL) Project".

We also hereby undertake to pay differential NPV amount, if any, due to escalation or revision of NPV, as and when demanded by the Forest Department.

The extent of forest land required is as follows:

Division Name	Block Name	Length in Mts	Width in Mts	Area in Ha
Amangal	Turkayamjal RF	459.97	2	0.0920
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### Undertaking

#### **To pay Addl. Cost of Net Present value (NPV)**

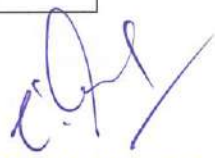
We hereby undertake to pay Addl. Cost of Net Present Value (NPV) as per guidelines under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 in accordance with the orders of the Hon'ble Supreme Court of India/ State Govt. and MoEF in respect of "proposed diversion of **0.3891 Ha.** of forest land in Amangal division for Hassan Cherlapalli LPG Pipeline (HCPL) Project".

We also hereby undertake to pay differential additional NPV amount, if any, due to escalation or revision of NPV, as and when demanded by the Forest Department.

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**Undertaking for unqualified commitment from project authority**


**To Pay cost of extraction of tree growth**

We hereby undertake to pay the cost of exploitation of tree growth of the forest land proposed for diversion under the project as and when demanded by the forest authorities and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities in respect of in respect of "proposed diversion of **0.3891 Ha.** of forest land in Amangal division for Hassan Cherlapalli LPG Pipeline (HCPL) Project".

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### Undertaking

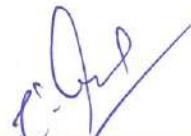
#### **To Pay cost of raising and maintenance of Compensatory Afforestation**


We hereby undertake to pay the cost of raising and maintenance of compensatory afforestation (including raising and maintenance of plantations, aided natural regeneration, SMC works etc.,) over non-forest land offered to forest department, as and when demanded by the forest authorities and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities in respect of "proposed diversion of **0.3891 Ha.** of forest land in Amangal division for Hassan Cherlapalli LPG Pipeline (HCPL) Project".

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**NON VIOLATION CERTIFICATE**

Certified that no work has been carried out in violation of F©Act,1980 and W(P)Act,1972 in the proposed forest area for diversion for the "proposed diversion of **0.3891 Ha.** of forest land in Amangal division for Hassan Cherlapalli LPG Pipeline (HCPL) Project".

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## UNDERTAKING

The user agency is hereby undertake that no labour camp shall be established on the forest lands during the construction of the work "proposed diversion of **0.3891 Ha.** of forest land in Amangal division for Hassan Cherlapalli LPG Pipeline (HCPL) Project".

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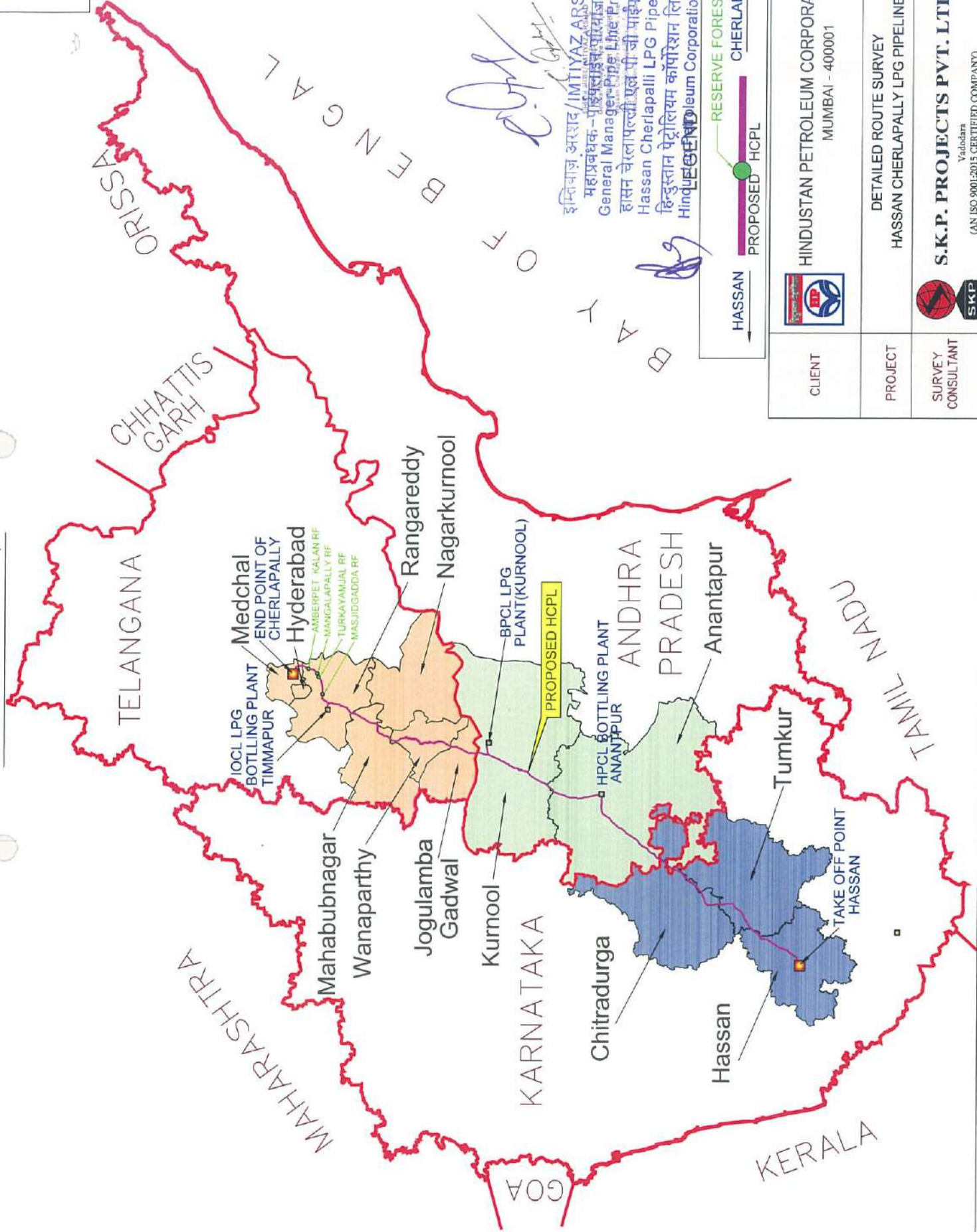
**Model and Make of the ETS & DGPS/ GNSS Instruments**

It is certified that the ETS & DGPS/ GNSS Survey was carried out through an outsourcing agency. Make and Model of the ETS Instruments are Topcon and Leica. The make and model of the DGPS/ GNSS instruments are Trimble, Topcon and South Precision. The ETS & DGPS/ GNSS data was verified and authenticated by the Forest Department.

Date:-14.02.2020

  
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# INDEX MAP

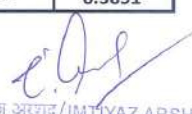


इम्तिवाज अरशद / IMTIYAZ ARSHAD  
 महाप्रबंधक - पूर्वी घाटी परियोजनाएँ  
 General Manager - Pipe Line Projects  
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CLIENT	HINDUSTAN PETROLEUM CORPORATION LTD., MUMBAI - 400001
PROJECT	DETAILED ROUTE SURVEY HASSAN CHERLAPALLY LPG PIPELINE
SURVEY CONSULTANT	<b>S.K.P. PROJECTS PVT. LTD.</b> Vadodra (AN ISO 9001:2015 CERTIFIED COMPANY)


**Purpose-wise break-up of the Forest Land required in Amangal Division**

ID	NAME	EASTING	NORTHING	LONGITUDE	LATITUDE	FOREST	COM. NO	LENGTH	WIDTH	AREA
AMANGAL DIVISION										
24	301	243135.613	1907656.641	78.58434564	17.23951037	TURKAYAMJAL RF	268	459.97	2	0.0920
25	New TPa	243238.138	1907742.496	78.58529911	17.24029732					
26	314	243272.576	1907791.828	78.58561698	17.24074674					
27	New TP	243305.977	1907818.197	78.58592779	17.24098866					
28	311	243356.303	1907841.726	78.58639801	17.24120683					
29	TP1087	243423.166	1907841.97	78.58702639	17.24121657					
31	316	243161.185	1907680.122	78.58458321	17.23972532					
32	315	243258.207	1907770.307	78.58548446	17.24055075					
33	313	243289.133	1907809.987	78.58577045	17.2409126					
34	312	243332.394	1907826.99	78.58617504	17.24107105					
35	TP1086	243365.169	1907854.133	78.58647989	17.24131988					
36	O R R Fsta rt	243510.03	1907811.023	78.58784641	17.24094688					
5	DGPS-6	244907.16	1908316.166	78.6009183	17.24566613	MANGALAPALLY RF	269	1485.45	2	0.2971
6	DGPS-5	245044.604	1908395.981	78.60220079	17.24640238					
7	DGPS-4	245162.819	1908464.497	78.60330387	17.24703442					
8	DGPS-3	245255.136	1908515.778	78.60416556	17.2475079					
9	DGPS-2R	245330.004	1908567.247	78.60486324	17.24798113					
10	dgps 1r	245431.176	1908624.55	78.60580746	17.24850998					
11	dgps 8k	244774.341	1908238.637	78.59967903	17.24495103					
12	dgps 7y1	244559.949	1908114.018	78.5976786	17.24380148					
19	dgps 9r	244543.906	1908109.714	78.59752832	17.24376081					
20	dgps 10r	244423.222	1908039.402	78.59640228	17.24311223					
21	dgps 11r	244296.813	1907966.294	78.59522277	17.24243776					
22	dgps r5	244147.712	1907878.429	78.59383173	17.24162746					
AMANGAL DIVISION TOTAL								1945.42	-	0.3891

  
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**Purpose-wise break-up of the Forest & Non Forest Land in Amangal Division**

SR. NO.	DISTRICT	MANDAL	VILLAGE	FOREST AREA	NON FOREST	REMARK
				HA.	HA.	
1	RANGAREDDY	IBRAHIMPATNAM	FEROCGUDA	0.0000	0.2678	
2	RANGAREDDY	IBRAHIMPATNAM	ADIBATLA	0.0000	4.5414	
3	RANGAREDDY	IBRAHIMPATNAM	PATELGUDA	0.0000	1.8008	
4	RANGAREDDY	IBRAHIMPATNAM	BONGULUR	0.0000	3.7314	
5	RANGAREDDY	IBRAHIMPATNAM	TURKAYAMJAL	0.0920	0.0000	
6	RANGAREDDY	IBRAHIMPATNAM	CHINTAPALLIGUDA	0.2971	6.4348	
<b>TOTAL</b>				<b>0.3891</b>	<b>16.7762</b>	

  
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