

**Note sheet**

1. M/s HPCL applied for 8828 kw/7850kva on dated 21.07.2020 & Feasibility report was provided by C.E.(PP&D) RVPN Jaipur vide letter no. 736 dt. 21.09.2020
2. On dated 05.11.2020 M/S HPCL Requested to Reduced applied load from 8828kw/7850kva to 4600kw/ 5400kva with revised contract demand upto 4600kva at 33kv voltage level and also declared that during the IGNP Shutdown period the contingency demand shall be 5400kva. As continues demand is 4600kva which is allowed on 33kv voltage system.
3. Letter of acceptance for ROW has been attached.
4. M/S HPCL have to pay additional charges for 33kv Bay & Related equipments to RVPN As one of 33kv Bay is unutilized at 220kv Bhadla.
5. Installed capacity and connected load 220kv Bhadla GSS has been attached.
6. Estimate enclosed.
7. CTPT Capacity required and metering equipment estimate are enclosed.
8. Rout on Google map has been enclosed.

Submitted

*Pril*

सहायक अभियंता (अ.स.स.)  
जोधपुर डिस्ट्रिक्ट न्याय

740  
10.2.2021

forwarded to the SE (O&M) Jdvvnl, Jaisalmer  
for kind map

Forwarded to SE(O&M), Jdvvnl, Jaisalmer  
Arithmetically Chewked and found correct

*Anand Kishore*  
Account Officer(O&M)  
Jdvvnl, Jaisalmer

*AB*  
*X En for*

SE(O&M) JSM Superintending Engineer(O&M)  
Jdvvnl, Jaisalmer

05  
2-2021

copy forwarded to A/C(O&M) Jdvvnl, Jaisalmer to  
check the estimate & send  
A/C(O&M), JSM  
02.06.2021 Dt. 10.2.21 Sh. Narotam K. no.  
(9/10/21)

*Anand Kishore*  
10.2.2021

**OFFICE OF ASSISTANT ENGINEER(O&M) JdVVNL NACHNA**  
**A FINANCIAL & TECHNICAL JUSTIFICATION REPORT**  
 ( TO be submitted for each consumer seperately)

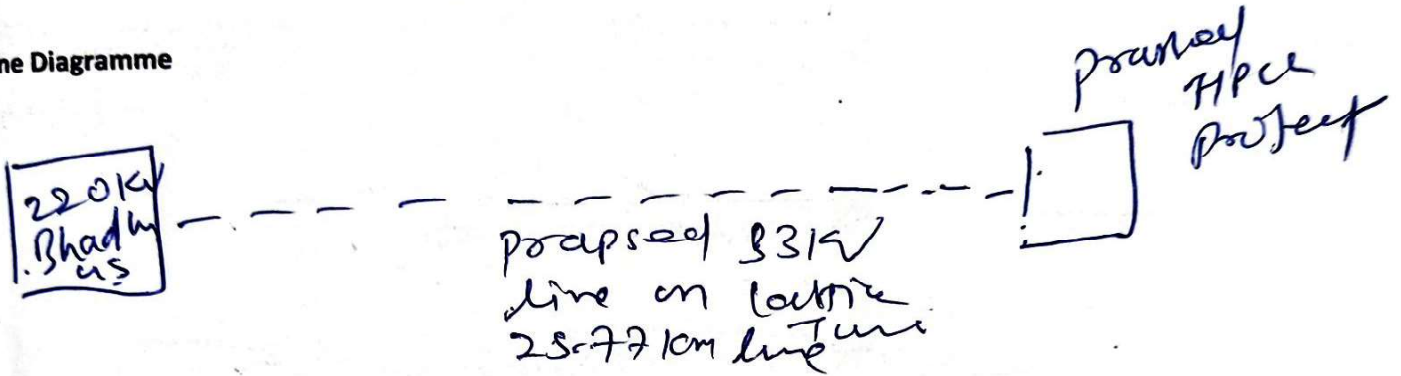
(A) Particulars of consumers

1. Name of consumer :- HPCL RAJASTHAN  
 2. Locality : nachana fanta  
 3. Applied Load :- 4600 KVA continuous load (C.D)  
 4. Pr. No & dt.....  
 5. Khasara No.....

proposed metering :- HT METERING AT 220 KV BADLA

WORK LINE SYSTEM DETAIL

(B) Line Diagramme



proposed metering at 220 gss ABT meter

71F & S/S set which on HOLL bases  
 metering equipment cost

1. HT meter security :-	33 kv line cost	35325922.00
2. EHT ct all rating	metering cost	247248.00
3. EHT PT all rating:		<hr/>
4. meter box		35573170.00
5. mis:		<hr/>
total:	Cost of G.O./D.O. & check meter in app. permits	+ 7,08,062.00
		<hr/>
		3,62,81,232.00

Assistant Engineer (O&M)  
 JdVVNL NACHANA  
 जाधपुर डिस्ट्रिक्ट न्यायना

Junior Engineer (O&M)  
 JVNNL NACHNA



JODHPUR VIDHYUT VATARAN NIGAM LIMITED  
OFFICE OF THE ASSISTANT ENGINEER (O&M) Jd.V.V.N.L., NACHANA

ESTIMATE OF 33 KV S/C LINE ON LATTICE TOWER FOR

NAME OF AGENCY :- HPCL PROJECT

LENGTH OF LINE (in K.M.) :-

25.77

VILLAGE:-

NACHANA FANTA

S.N.	PARTICULARS OF MATERIAL	QTY.	UNIT	RATE	AMOUNT
1	33 KV LATTICE STRUCTURE 36' S/C	✓ 514	Nos.	30160.19	✓ 15502337.66
2	R.S. JOIST 116X100X6 MM 42'	0	MT	42435.00	0.00
3	PCC POLE 9 MTR 400 KG	✓ 4	Nos.	3520.06	✓ 14080.24
4	CUT POINT CHANNEL	70	Set	898.85	✓ 62919.50
5	EXTENSION BRECKET FOR 9 M POLE	0	Set	3037.08	0.00
6	33 KV PIN INSULATOR	✓ 1548	Nos.	197.31	✓ 305435.88
7	33 KV PINS	✓ 1548	Nos.	163.63	✓ 253299.24
8	DISC INSULATOR (B&S) TYPE	✓ 666	Nos.	250.70	✓ 166966.20
9	DISC H/W (B&S) TYPE	✓ 222	Set	435.85	✓ 96758.70
10	G.I. STAY SET 20X2400 MM	416	Set	1041.90	✓ 433430.40
11	G.I. STAY WIRE 7/8 SWG	✓ 4.16	MT	82259.50	✓ 342199.52
12	33 KV STAY INSULATOR	✓ 416	Nos.	37.79	✓ 15720.64
13	STAY CLAMP FOR 9 Mtr. POLE	✓ 416	Set	174.14	72442.24
14	G.I. EARTH WIRE 6 SWG	✓ 4.090345	MT	64186.10	262543.28
15	M.S. NUTS & BOLTS A.S.	✓ 1	MT	66305.72	66305.72
16	33 KV LINE D.P. STRUCTURE	✓ 2	Set	7806.64	✓ 15613.28
17	P.G. CLAMP (DOG)	✓ 333	Nos.	190.90	✓ 63569.70
18	ACSR CONDUCTOR "DOG"	✓ 78.8562	K.M.	79948.00	✓ 6304395.48
19	M.S. ROD TYPE EARTHING SET	✓ 77	Set	671.60	✓ 51713.20
20	M.S. CHANNEL 100X50X5 MM	3	MT	61743.50	✓ 185230.50
21	M.S. ANGLE 65X65X6 MM	✓ 0.2577	MT	64864.60	✓ 16715.61
22	M.S. ROUND 20 MM DIA	0	MT	31825.10	0.00
23	33 KV G.O. W/O EB WITH P.I.	2	Set	28232.50	✓ 56465.00
24	MISC. ITEM		L.S.	L.S.	858.01
<b>TOTAL MATERIAL COST</b>		<b>(i)</b>			<b>24289000.00</b>
<b>CIVIL WORK COST</b>		<b>(ii) = 10% of (i)</b>			<b>2428900.00</b>
<b>LABOUR CHARGES COST</b>		<b>(iii) = 10% of (i)</b>			<b>2428900.00</b>
<b>TOTAL MATERIAL COST</b>		<b>(i+ii+iii)</b>			<b>29146799.99</b>
<b>SHIFTING MATERIAL COST</b>		as per shifting material estimate			0.00
<b>DISMANTLED MATERIAL ESTIMATE</b>		estimate)			0.00
<b>OVER HEAD CHARGES @ 10% OR 20%</b>		<b>(A+B+C)* 10% or 20%</b>			<b>5829360.00</b>
<b>STATURARY CHARGES</b>		<b>(A+B+C+D)* 1%</b>			<b>349761.60</b>
<b>SERVICE TAX</b>		<b>(A+B+C+D+E)* 18 %</b>			0.00
<b>COST OF MATERIAL RE-USED</b>		As per estimate			0.00
<b>TOTAL ESTIMATED COST</b>		<b>(A+B+C+D+E+F+G)</b>			<b>35325921.59</b>
				<b>SAY Rs.</b>	<b>35325922.00</b>

Technically & Arthmatically checked & found correct.

  
EXECUTIVE ENGINEER (O&M)  
Jd.V.V.N.L., POKRAN

Arithmatically checked & found correct

  
Accounts Officer (O&M)  
Jodhpur Discom, Jaisalmer

  
JUNIOR ENGINEER (O&M)  
Jd.V.V.N.L., NACHANA

  
ASSISTANT ENGINEER (O&M)  
Jd.V.V.N.L., NACHANA  
जोधपुर डिस्कॉम कार्यालय

C:\Users\dell\Downloads\hpc

  
Superintending Engineer (O&M)  
Jodhpur Discom, Jaisalmer



OFFICE OF ASSISTANT ENGINEER(O&M) JDVNL NACHANA

laying cable 60 meter (1+1) in 220 KV Badia and providing G.O) D.O and check meter at applicant permises as desiri

S. NO.	ITEM_NUM BER	SPECIFICATIONS OF MATERIAL	UNIT	S, NO.	Rate/unit Oct 20	No. of Units	Amount
1	104000604	M.S.CHANNEL 100 x 50 x 5 mm SAIL	MT	2	31,743.50	0.1000	6174.35
2	102000304	M. S. FLAT IRON 50 x 10 mm	MT	9	53,130.00	0.1000	5313
3	112010202	33 KV Line DP Set	Set.	22	7,806.64	2.0000	15613.274
4	412011301	CTPT set for consumer metering 100/5 AMP	Nos.	79	85,518.30	1.0000	85518.301
5	407010101	H T TVM STATIC METER 'C Type'	Nos.	119	3,562.13	1.0000	3562.125
6	505010106	XLPE Cable 33 KV 300 SQ MM	KM.	132	17,29,496.50	0.1500	259424.475
53	702010101	33 KV PIN Insulator	Nos.	179	197.31	6.0000	1183.833
7	704010101	33 KV G.I. PIN	Nos.	182	163.63	6.0000	981.801
9	701010101	Disc Insulator 120 KN	Nos.	185	557.34	36.0000	20064.096
10	703000102	Hardware SetFor(B&S)	Nos.	188	435.85	12.0000	5230.2
11	705010202	33 KV 800A W/O EB With PI	Set.	200	28,232.50	1.0000	28232.5
12	706010202	33 KV Horn Gap With PI	Set.	206	10,810.00	1.0000	10810
13	717010101	Out Door Type 3X 300sq. mm H.S	Nos.	242	3,562.78	4.0000	14251.122
14	717010301	3X 300sq. mm H.S S.T. JOINT	Nos.	244	10,105.95	1.0000	10105.947
15	101000603	Nut Bolt 4" X 5/8" (16X100mm)	MT	305	66,305.72	0.0100	663.057225
16	710040201	M.I.P SUITABLE FOR L.T. METERING	Nos.	350	5,632.70	1.0000	5632.7
17	601000101	PCC POLE For 9 METRE LONG (400 KG)	Nos.	382	3,520.06	4.0000	14080.232
Total						*	4,86,841.01
Labour Charges @ 10%						*	48,684.10
Civil Charges @ 10 %						*	48,684.10
Total						*	5,84,209.22
Dismantle Charges @ 10 %						*	0.00
Total						*	5,84,209.22
Over head charges @ 20 %						*	1,16,841.84
Total of above						*	7,01,051.06
Statutory charges @ 1%						*	7,010.51
Grand Total						*	7,08,061.57
Credit of 25% on dismantle amount						*	0
Credit of 50% on dismantle of transformer						*	0
Credit of 100% on reused material						*	0.00
TOTAL PAY						*	7,08,062.00

*[Signature]*  
 ASSISTANT ENGINEER (O&M) JDVNL NACHANA  
 सहायक अभियन्ता प व.रा.,  
 जोधपुर डिस्ट्रिक्ट नाचना

*[Signature]*  
 JUNIOR ENGINEER (O&M) JDVNL NACHANA

*[Signature]*  
 Superintending Engineer (O&M)  
 Jodhpur Discom, Jaisalmer

*[Signature]*  
 Accounts Officer (O&M)  
 Jodhpur Discom, Jaisalmer  
 फुल अंशतः जाँच किया  
 & found correct

**JODHPUR VIDHYUT VATARAN NIGAM LIMITED**  
**OFFICE OF THE ASSISTANT ENGINEER (O&M) Jd.V.V.N.L., NACHANA**

**ESTIMATE FOR INSTALLATION OF METERING EQUIPMENT**


NAME OF AGENCY :- HPCL PROJECT  
 LENGTH OF LINE (in K.M.) :-

VILLAGE:-


S.N.	PARTICULARS OF MATERIAL	QTY.	UNIT	RATE	AMOUNT
1	PCC POLE 9 MTR 400 KG	✓ 4	Nos.	3520.06	✓ 14080.24
2	DISC INSULATOR (B&S) TYPE	✓ 36	Set	250.70	✓ 9025.20
3	DISC HW (B&S) TYPE	✓ 12	Set	435.85	✓ 5230.20
4	G.I. STAY SET 20X2400 MM	✓ 8	Set	1041.90	✓ 8335.20
5	G.I. STAY WIRE 7/8 SWG	✓ 0.16	MT	82259.50	✓ 13161.52
6	33 KV STAY INSULATOR	✓ 8	Nos.	37.79	✓ 302.32
7	STAY CLAMP FOR 9 Mtr. POLE	✓ 8	Set	174.14	✓ 1393.12
8	M.S. NUTS & BOLTS A.S.	✓ 5	Kg.	66.30572	✓ 331.53
9	33 KV LINE D.P. STRUCTURE	✓ 2	Set	7806.64	✓ 15613.28
10	P.G. CLAMP (DOG)	✓ 12	Nos.	190.90	✓ 2290.80
11	ACSR CONDUCTOR "DOG"	✓ 0.05	K.M.	79948.00	✓ 3997.40
12	33 KV CTPT SET 100/5 AMP	✓ 1	Set	85518.30	✓ 85518.30
13	HT TVM STATIC METER	✓ 1	MT	3562.13	✓ 3562.13
14	METER BOX MIP. TYPE	✓ 1	MT	5632.70	✓ 5632.70
15	PVC CONTROL CABLE 4C 6 SQMM	✓ 0.016	KM	69921.55	✓ 1118.74
16	MISC. ITEM		L.S.	L.S.	✓ 407.32
<b>TOTAL MATERIAL COST</b>		<b>(i)</b>			<b>170000.00</b>
<b>CIVIL WORK COST</b>		<b>(ii) = 10% of (i)</b>			<b>17000.00</b>
<b>LABOUR CHARGES COST</b>		<b>(iii) = 10% of (i)</b>			<b>17000.00</b>
<b>TOTAL MATERIAL COST</b>		<b>(i+ii+iii)</b>			<b>204000.00</b>
<b>SHIFTING MATERIAL COST</b>		as per shifting material estimate			<b>0.00</b>
<b>DISMANTLED MATERIAL ESTIMATE</b>		estimate)			<b>0.00</b>
<b>OVER HEAD CHARGES @ 10% OR 20%</b>		<b>(A+B+C)* 10% or 20%</b>			<b>40800.00</b>
<b>STATURARY CHARGES</b>		<b>(A+B+C+D)* 1%</b>			<b>2448.00</b>
<b>SERVICE TAX</b>		<b>(A+B+C+D+E)* 18 %</b>			<b>0.00</b>
<b>COST OF MATERIAL RE-USED</b>		As per estimate			<b>0.00</b>
<b>TOTAL ESTIMATED COST</b>		<b>(A+B+C+D+E+F+G)</b>			<b>247248.00</b>
				<b>SAY Rs.</b>	<b>247248.00</b>

Technically & Arthmatically checked & found correct.

  
**EXECUTIVE ENGINEER (O&M)**  
 Jd.V.V.N.L., POKRAN

  
**JUNIOR ENGINEER (O&M)**  
 Jd.V.V.N.L., NACHANA

  
**ASSISTANT ENGINEER (O&M)**  
 Jd.V.V.N.L., NACHANA  
 जोधपुर डिस्कॉम नाचना

Arithmatically checked & found correct  
  
**Accounts Officer (O&M)**  
 Jodhpur Discom, Jaisalmer

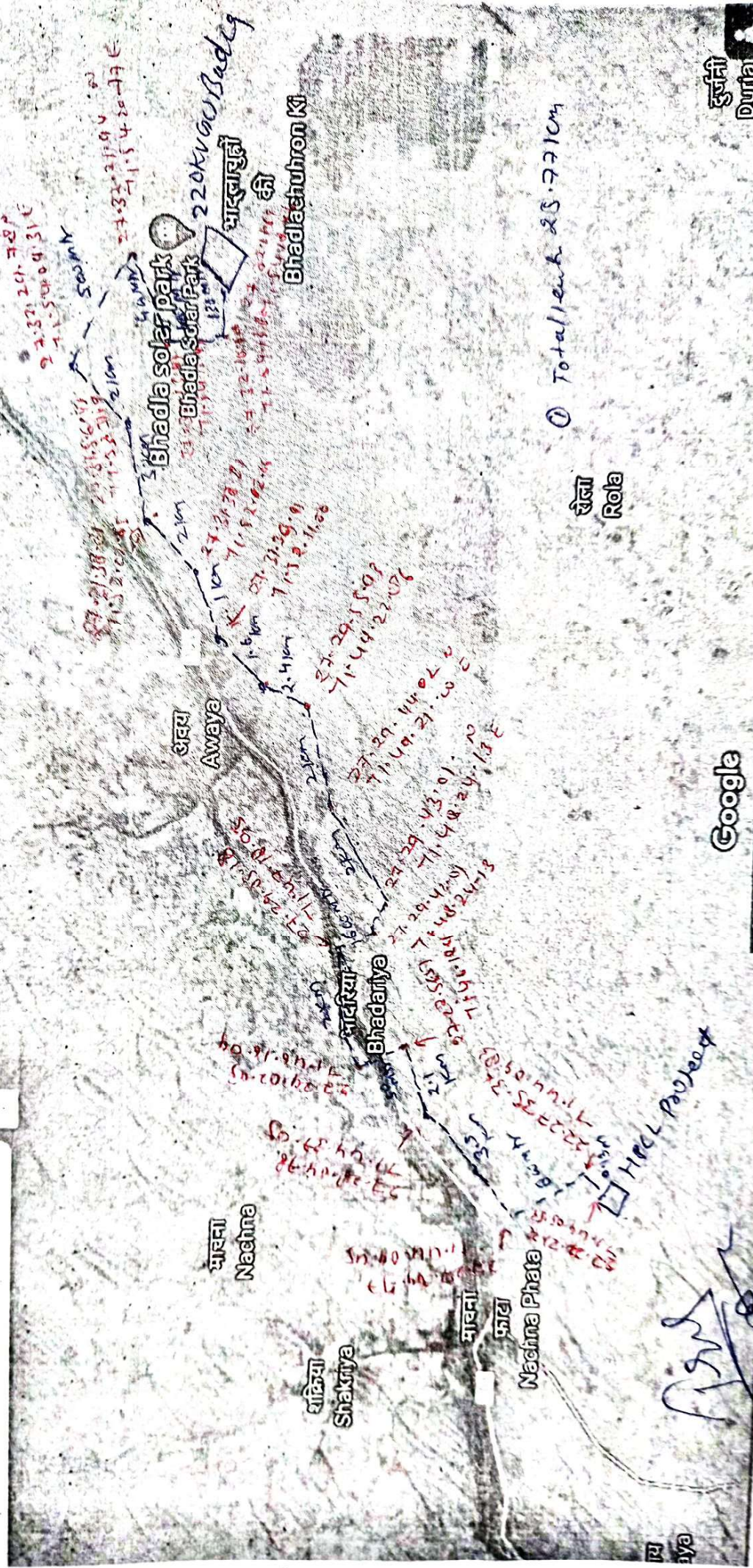
  
**Superintending Engineer (O&M)**  
 Jodhpur Discom, Jaisalmer

Maps पर खोजें



अ

गाने वाला समय, ट्रैफिक और आस-पास की जगहें



① Total length 25.7710m

रोला Rola

Google

दुर्ग Durja

मशीन का संस्करण ©2021 Maxar Technologies/CNES / Airbus/ISRO का संस्करण ©2021 TerraMetrics/सैटेलाइट ©2021

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Navigation icons: Home, Back, Forward, Location, Street View, Full Screen, Print, Share, etc.

*Handwritten signature*

# HPCL RAJASTHAN REFINERY LIMITED

पंजीकृत कार्यालय : तेल भवन, सहकार मार्ग, लाल कोठी विस्तार, ज्योति नगर, जयपुर-३०२००५  
REGD. OFFICE : TEL BHAVAN, SAHKAR MARG, LAL KOTHI VISTAR, JYOTI NAGAR, JAIPUR-302005  
सीआईएन/ CIN : U23201RJ2013GOI043865

कार्यालय : ग्राम साजियाली रूपजी कण्ठवाड़ा व सांभरा, तहसील : पचपद्रा, जिला : बाड़मेर, पिनकोड : ३४४०३२ दूरभाष :- 02988-228128  
Office : Village Sajiyali Roopji Kanthwada and Sambhra, Tehsil : Pachpadra, District : Barmer, Pincode : 344032 Tel. :- 02988-228128  
HRRL/RVPNL/P001E/Nachana Reservoir/MRB/SE(T&C) bhadla/2020/L- 015 Date: 8<sup>th</sup> Feb 2021

To

SE (T&C), 400kV GSS Bhadla,  
RVPNL, Jaisalmer.

Kind Attn: Shri S.K.Vaishnav

Subject: Request for provision of a single Dedicated 33kV bay at 400kV Bhadla GSS

Reference:

Case File: 1) Letter HRRL/JdVVNL/MRB/SE-PP&D/P-001/Nachana Power/L-20-010 "Revised Electrical connection for HRRL Nachana Reservoir at 33kV Level "dated from 03/11/21

2) Form-1 -Application Cum Agreement, Power Requirement of HRRL at Nachana to JdVVNL from CGM- Projects HRRL ,dtd 06/06/2020.

Dear Sir,

Reference to the above for our application submitted to SE, Jaisalmer, JdVVNL for power requirement of 4.6MVA (normal load) / 5.4MVA \*(contingency load) @33kV level for HRRL Water Pumping facility located near to Nachana pata, for which the job execution of water reservoir project is already in progress.

With respect to the same, it is requested to provide a single dedicated 33kV bay at 400kV bhadla GSS for our requirement. Request to confirm the 33kV bay availability and accordingly provide us the demand note/ and all metering requirement costs as applicable for the same.

Further to the above, RVPN is requested to provide detailed demand note required in total for the 33kV bay . The demand note shall cover the entire scope of work required for the provision of the 33kV bay.

We hereby request you to kindly look into the matter and advice further.

Yours Sincerely,

  
Manoj.R. Baviskar

DGM- Projects (Electrical), HRRL.

CC: General Manager (HRRL) - Projects Electrical, HRRL Site, Pachpadra Barmer, Rajasthan.



# एचपीसीएल राजस्थान रिफाइनरी लिमिटेड

## HPCL RAJASTHAN REFINERY LIMITED

पंजीकृत कार्यालय : तेल भवन, सहकार मार्ग, लाल कोठी विस्तार, ज्योति नगर, जयपुर-३०२००५  
 REGD. OFFICE : TEL BHAVAN, SAHKAR MARG, LAL KOTHI VISTAR, JYOTI NAGAR, JAIPUR-302005  
 सीआईएन/ CIN : U23201RJ2013GOI043865

जना कार्यालय : ग्राम साजियाली रूपजी कण्ठवाड़ा व सांभरा, तहसील : पचपद्रा, जिला : बाड़मेर, पिनकोड : ३४४०३२ दूरभाष :- 02988-228128  
 ct Site Office : Village Sajiyali Roopji Kanthwada and Sambhra, Tehsil : Pachpadra, District : Barmer, Pincod : 344032 Tel. :- 02988-228128

HRRL/RVPNL/MRB/CE-T&C/P-001E/Nachana Power/L/21-074

3<sup>rd</sup> Feb, 2021

To  
 The AEN,  
 JDVNL, Jaisalmer

**Sub: Regarding the ROW arrangements for Power Connection (5.4\* MVA Contingency Load /4.6 Normal Load MVA) @ 33kv voltage for HRRL Nachana Water Reservoir from Bhadla GSS, under deposit works.**

Ref: 1) Letter HRRL/JdVNL/MRB/SE-PP&D/P-001/Nachana Power/L-20-010 "Revised Electrical connection for HRRL Nachana Reservoir at 33kV Level "dated from 03/11/21

2) Form-1 -Application Cum Agreement, Power Requirement of HRRL at Nachana to JdVNL from CGM- Projects HRRL ,did 06/06/2020.

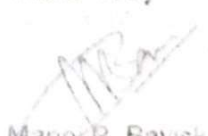
Dear Sir,

HRRL understands that necessary administrative and technical issues for ROW approval of subject power application is proposed in applicant (HRRL) scope.

HRRL is in urgent need of the power for Nachana reservoir and in view of this we request JdVNL to take care of the necessary administration and technical issues related to ROW approvals and applicable charges shall be borne by HRRL

Thanking You,

Yours' Truly

  
 Manoj R. Baviskar  
 DGM - Projects

CC:

1. Office of CE, Barmer Zone, JDVNL
2. Office of SE T&C, Jaisalmer Circle, JdVNL.
3. General Manager (HRRL) - Projects Electrical, HRRL Site, Pachpadra Barmer, Rajasthan.