



VIVIID RENEWABLES PVT. LTD.

CIN: U40100MH2019PTC334856

Formerly known as Vivid Renewables Private Limited

Purchase order

Regd. Office:

1102 (1A), 11th Floor, A-Wing, Fortune Terraces,
Plot CTS no. 657 & 658, New Link Road,
Andheri (West), Mumbai - 400053.

+91-22-62269200

WO.no. : VRPL/RT/2020-21/12081

Date: 08-12-2021

To,

M/s. Raj Technologies
B76-MIDC, Satpur, Nashik,
Maharashtra – 422 007

Kind attn: Mr Sushil Vispute

Sub: Work order for Survey work for issuance of site coordinate and elevation certificate of Wind Turbine Generator (WTG) Location as per Airport Authority of India (AAI) specifications fulfilling the relevant accuracy Requirements and copies of survey locations plotted on geo referenced Topomaps with survey data as per required format.

Ref: Your quotation: RT/AV/NOC/Viviid/Gadag/108-21 dated Date: 07 Dec 2021 and Subsequent Discussions.

SI No	Description	Qty	Rate (INR)	Amount (INR)
1)	Survey Work for Issuance of Site Coordinate and Elevation Certificate	61 (WTG locations)	7,500/-	4,57,500/-
2)	SOI Topo-sheet Geo-referencing and Digitization (Per Topo-sheet) 1:50000 scale, with plotting of surveyed WTG locations and GO boundary	1 (one topomap / sheet considered)	5,000/-	5,000/-
3)	Printing Charges of Toposheet / Topomap mentioned in pt.no.2 above	16 (considering one topomap)	650/-	10,400/-
	IGST 18 %			85,122/-
	TOTAL			5,58,022/-



✓ Bengaluru Office:

137, 12th Floor, HMG Ambassador, Residency Road, Bemgaluru – 560 025, Karnataka / Tel:+91-080-49405000



✓ Solapur Office:

C/O Madanrao Khaserao Gaikwad, D.No.5/154, Uma Cooperative Housing Society, Juni Mill Compound, Solapur - 413001, Maharashtra, India.

I. Scope of work:

1. Above amount is inclusive of transportation, lodging and boarding during the survey.
2. Survey work to be carried out by Differential GPS and Total Station to match the prevailing specification & accuracy required by Airport Authority of India. The coordinates are to be WGS – 84 Coordinates with accuracy requirement of $1/10^{\text{th}}$ of a second in the DD MM SS.ss format with position accuracy within 3 meters. **The WTG location list is enclosed in Annexure-1.**
3. The elevation of the surveyed coordinates should be in AMSL or EGM08 model as per the AAI requirement for the concerned airports. Accuracy requirement for the site elevation should be 0.5 meters.
4. Any change in AAI requirement related with the accuracy, specification and format of the survey report during the NOC assessment process, shall be incorporated in the survey work without any rate revision and revised survey reports should be issued.
5. Submission of Survey report in AAI format.
6. Plotting of surveyed WTG locations & GO Boundaries on SOI Topo-sheet Geo-referencing and Digitization (Per Topo-sheet) 1:50000 scale, with plotting of surveyed WTG locations and GO boundary and printing these topomaps/sheets mentioning the surveyed data as per required format. (Coordinates of GO boundaries, ARP of concerned defense aerodromes and the format will be provided).

II. Payment Terms:

- A). 25% of Survey amount as advance against acceptance of work order.
- B). 25% of Survey amount against completion of Survey.
- C). 50% of Survey amount against Submission of site elevation certificate.
- D). 100% of Digitization & Printing price against submission of toposheets in soft & hard copies

III. Time line

1. The above survey work will be completed within 25 days after disbursement of advance. If failed to complete the survey work in 25 days, 15% of LD will be applicable on the basic amount of the work order.
2. Submission of Topomaps copies & required format within 10-12 days & Site Elevation Certificates within 15-20days or earlier after completion of Survey work and payment of 25% Survey amount against completion of survey work.
3. Care shall be taken by both the parties to avoid re-survey, as there is no time to spare for re-survey. Hence ensure that the field surveyors are instructed / briefed accordingly.

IV. One representative of Vivid-RPL will attend the survey *and will ensure that correct locations on ground are shown to the survey team.*

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This work order shall remain in force and effective till the Parties have completed their respective duties and obligations under this work order, unless earlier terminated as per the provisions contained in this work order.

We request you to return the copy of this work order duly signed and stamped on each page as a token of acknowledgement of same by you.

Yours faithfully,
For Viviid Renewables Private Limited

M. Shandarkar

Authorized Representative



Annexure-1

List of Locations to be surveyed for Kurudagi-1 are :

Sr.No	WTG ID	Zone	X	Y	Survey no.	Village	Taluka	District	Latitude			Longitude			AMSL (M.)
									DD	MM	SS.ss	DD	MM	SS.ss	
1	K012	43 P	564562	1718505	554/1 554/6	Hombal	Gadag	Gadag	15	32	35.73	75	36	7.46	
2	K014	43 P	562789	1717021	633/1	Hombal	Gadag	Gadag	15	31	47.59	75	35	7.80	
3	K015	43 P	562566	1716238	707/1 707/2A	Hombal	Gadag	Gadag	15	31	22.13	75	35	0.25	
4	K016	43 P	562124	1715369	6971A	Hombal	Gadag	Gadag	15	30	53.88	75	34	45.33	
5	K027	43 P	566055	1717602	179	Huyilagola	Gadag	Gadag	15	32	6.20	75	36	57.49	
6	K028	43 P	565448	1716791	254/1	Huyilagola	Gadag	Gadag	15	31	39.86	75	36	37.04	
7	K034	43 P	566804	1715722	292/3	Huyilagola	Gadag	Gadag	15	31	4.94	75	37	22.45	
8	K035	43 P	566711	1716420	241/3	Huyilagola	Gadag	Gadag	15	31	27.67	75	37	19.40	
9	K037	43 P	567461	1718192	113/2A 113/2B	Huyilagola	Gadag	Gadag	15	32	25.27	75	37	44.75	
10	K042	43 P	566863	1722541	170/1 170/2	Gavaravada	Gadag	Gadag	15	34	45.86	75	37	25.10	
11	K038	43 P	568050	1718996	108/2+3	Huyilagola	Gadag	Gadag	15	32	51.38	75	38	4.60	
12	K023	43 P	563876	1716666	652/4	Hombal	Gadag	Gadag	15	31	35.94	75	35	44.26	
13	K004	43 P	563976	1719793	496/4	Hombal	Gadag	Gadag	15	33	17.70	75	35	47.91	
14	K007	43 P	565821	1722878	165/1	Gavaravada	Gadag	Gadag	15	34	57.93	75	36	50.15	
15	K008	43 P	565682	1722048	146/1 146/2	Gavaravada	Gadag	Gadag	15	34	30.93	75	36	45.40	
16	K009	43 P	566590	1721364	108/1 108/2	Gavaravada	Gadag	Gadag	15	34	8.58	75	37	15.82	



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Sr.No	WTG ID	Zone	X	Y	Survey no.	Village	Taluka	District	Latitude			Longitude			AMSL (M.)
									DD	MM	SS.ss	DD	MM	SS.ss	
									17	K010	43 P	565645	1720365	136/3	
18	K013	43 P	563294	1717993	580/2	Hombal	Gadag	Gadag	15	32	19.18	75	35	24.85	
19	K021	43 P	563365	1715080	684/8	Hombal	Gadag	Gadag	15	30	44.37	75	35	26.96	
20	K024	43 P	564404	1717642	567/1A 567/3	Hombal	Gadag	Gadag	15	32	7.65	75	36	2.08	
21	K025	43 P	566446	1719396	133	Huyilagola	Gadag	Gadag	15	33	4.55	75	37	10.79	
22	K029	43 P	565327	1715958	277/2 277/3	Huyilagola	Gadag	Gadag	15	31	12.76	75	36	32.90	
23	K033	43 P	567330	1714898	307/7	Huyilagola	Gadag	Gadag	15	30	38.08	75	37	40.03	
24	K036	43 P	567399	1717378	235	Huyilagola	Gadag	Gadag	15	31	58.78	75	37	42.59	
25	K040	43 P	568017	1720750	43/3B2	Gavaravada	Gadag	Gadag	15	33	48.46	75	38	3.67	
26	K041	43 P	568316	1721782	89/1C	Gavaravada	Gadag	Gadag	15	34	22.02	75	38	13.81	
27	K051	43 P	568720	1715394	348/1	Huyilagola	Gadag	Gadag	15	30	54.09	75	38	26.73	
28	K055	43 P	570507	1717231	24/1	Huyilagola	Gadag	Gadag	15	31	53.69	75	39	26.91	
29	K3	43 P	563762	1718996	528/2	Hombal	Gadag	Gadag	15	32	51.78	75	35	40.65	
30	K2	43 P	572945	1714512	58	Kiratageri	Gadag	Gadag	15	30	24.96	75	40	48.45	
31	RNPK-53	43 P	562871	1714663	679/1 679/2	Hombal	Gadag	Gadag	15	30	30.84	75	35	10.34	
32	K127	43 P	572338	1718740	50/3	Kuradagi	Ron	Gadag	15	32	42.62	75	40	28.53	
33	RNPK-21	43 P	577233	1714660	107/1 107/3	Neeralagi	Gadag	Gadag	15	30	29.32	75	43	12.39	
34	RNPK-20	43 P	577419	1714008	93/3A 93/4	Neeralagi	Gadag	Gadag	15	30	8.08	75	43	18.56	
35	K-1	43 P	571994	1715134	69/2 69/4	Kiratageri	Gadag	Gadag	15	30	45.30	75	40	16.60	
36	K-54	43 P	570022	1715125	357/2B	Huyilagola	Gadag	Gadag	15	30	45.20	75	39	10.41	



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Sr.No	WTG ID	Zone	X	Y	Survey no.	Village	Taluka	District	Latitude			Longitude			AMSL (M.)
									DD	MM	SS.ss	DD	MM	SS.ss	
37	K-59	43 P	570925	1722754	196/5	D S Hadaga	Ron	Gadag	15	34	53.40	75	39	41.51	
38	K-45	43 P	569331	1720573	60/1B 60/2	Gavaravada	Gadag	Gadag	15	33	42.58	75	38	47.77	
39	K-70	43 P	574167	1719695	175 176/4	Kuradagi	Ron	Gadag	15	33	13.51	75	41	30.03	
40	K-75	43 P	575204	1722837	134/1+2A	Kuradagi	Ron	Gadag	15	34	55.65	75	42	5.19	
41	K-77	43 P	574556	1718818	220/7	Kuradagi	Ron	Gadag	15	32	44.93	75	41	43.00	
42	K-05	43 P	564266	1720905	480/2 480/3	Hombal	Gadag	Gadag	15	33	53.86	75	35	57.75	
43	K-52	43 P	568661	1714519	340/1	Huyilagola	Gadag	Gadag	15	30	25.62	75	38	24.67	
44	K-68	43 P	573671	1716774	54/4	Huyilagola	Gadag	Gadag	15	31	38.50	75	41	13.07	
45	RNPK-2	43 P	568841	1716771	216/1 217	Huyilagola	Gadag	Gadag	15	31	38.89	75	38	30.93	
46	RNPK-47	43 P	573792	1714106	82/2 82/6	Benakoppa	Gadag	Gadag	15	30	11.66	75	41	16.84	
47	RNPK-3	43 P	568605	1717957	196/1 196/2	Huyilagola	Gadag	Gadag	15	32	17.51	75	38	23.13	
48	RNPK-5	43 P	568487	1719863	104/4 105/5	Huyilagola	Gadag	Gadag	15	33	19.55	75	38	19.36	
49	K-56	43 P	570419	1717945	27/2 27/3	Huyilagola	Gadag	Gadag	15	32	16.94	75	39	24.02	
50	RNPK-31	43 P	574958	1721475	158/1	Kuradagi	Ron	Gadag	15	34	11.35	75	41	56.78	
51	RNPK-32	43 P	574897	1720757	200/1B 200/2	Kuradagi	Ron	Gadag	15	33	47.99	75	41	54.66	
52	K-67	43 P	572732	1715657	49	Kiratageri	Gadag	Gadag	15	31	2.24	75	40	41.43	
53	RNPK-1	43 P	569046	1716050	210/1A1	Huyilagola	Gadag	Gadag	15	31	15.40	75	38	37.74	



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Sr.No	WTG ID	Zone	X	Y	Survey no.	Village	Taluka	District	Latitude			Longitude			AMSL (M.)
									DD	MM	SS.ss	DD	MM	SS.ss	
54	RNPK-14	43 P	577967	1718521	217/1 217/3	Yarebeleri	Ron	Gadag	15	32	34.89	75	43	37.47	
55	RNPK-45	43 P	573820	1715234	90/2 90/5	Benakoppa	Gadag	Gadag	15	30	48.36	75	41	17.90	
56	RNPK-49	43 P	571291	1714365	1171A 117/1B	Hirekoppa	Gadag	Gadag	15	30	20.34	75	39	52.92	
57	RNPK-24	43 P	577552	1716102	19/1 19/2	Neeralagi	Gadag	Gadag	15	31	16.21	75	43	23.26	
58	RNPK-10	43 P	564819	1714887	750/1	Gadag	Gadag	Gadag	15	30	37.95	75	36	15.75	
59	RNPKURD-04	43 P	577931	1716586	7/2	Nagaraahal	Gadag	Gadag	15	31	31.92	75	43	36.04	
60	RNPK-09	43 P	564717	1714145	763	Gadag	Gadag	Gadag	15	30	13.82	75	36	12.25	
61	RNPK-48	43 P	571123	1713823	121	Hirekoppa	Gadag	Gadag	15	30	2.72	75	39	47.23	

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Survey data required in the following format with the toposheet / map:

Kurdagi-1 project		Latitude			Longitude			AMSL (M.)	Challakere (Chitradurg) Aeronautical Test Range (ATR) in KM	Distance from Bellary airstrip in KM
Sr.N	WTG ID	DD	MM	SS.s	DD	MM	SS.s			
1										
2										
3										

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Date: 28-12-2021

To,

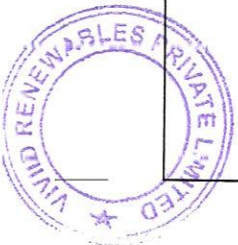
M/s. Raj Technologies
B76-MIDC, Satpur, Nashik,
Maharashtra – 422 007

Kind attn: Mr Sushil Vispute

Sub: Amendment to Work order for Survey work VRPL/RT/2020-21/12081 dated 08-12-2021 for issuance of site coordinate and elevation certificate of Wind Turbine Generator (WTG) Location as per Airport Authority of India (AAI) specifications fulfilling the relevant accuracy requirements and copies of survey locations plotted on geo referenced Topomaps with survey data as per required format.

Ref: Your quotation: RT/AV/NOC/Viviid/Gadag/108-21 dated Date: 07 Dec 2021 and Subsequent Discussions.

SI No.	Description	Qty	Rate (INR)	Amount (INR)
1)	Survey Work for Issuance of Site Coordinate and Elevation Certificate (Additional 8 locs to be surveyed further to earlier 61 locs.)	8 (WTG locations)	7,500/-	60,000/-
	IGST 18 %			10,800/-
	Total			70,800/-



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C/O Madanrao Khaserao Gaikwad, D.No.5/154, Uma Cooperative Housing Society, Juni Mill Compound, Solapur - 413001, Maharashtra, India.

Note:

1. The additional 8 location to be surveyed are as per Annexure-1A.
2. The scope of work, terms & condition for this locations remain the same as per the WO: VRPL/RT/2020-21/12081
3. The Loc.no. RNPk-48 at sr.no. 61 in Annexure-1 belonging to the earlier lot, has been replaced by Loc.no. RNPk-04 and it details are mentioned in Annexure-1A.

Yours faithfully,

For Viviid Renewables Private Limited



Authorized Representative



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Annexure-1A

List of replaced location & additional 8 Locs to be surveyed for Kurudagi-1 are :

Sr.No	WTG ID	Zone	X	Y	Survey no.	Village	Taluka	District	DD	MM	SS.ss	DD	MM	SS.ss	Elevation
61	RNPK-04	43 P	569409	1718747	67/2 67/3	Huyilagola	Gadag	Gadag	15	32	43.14	75	38	50.20	
<p>Note : Loc.no. RNPK-48 at Sr.no. 61 in Annexure-1 of earlier lot to be replaced by RNPK-04 for survey.</p>															
Sr.No	WTG ID	Zone	X	Y	Survey no.	Village	Taluka	District	D	M	S	DM	MM	S	Elevation
62	RNPKURD-23	43 P	579694	1714314	449/3	Kotumachagi	Gadag	Gadag	15	30	17.78	75	44	34.95	
63	RNPKURD-28	43 P	580302	1715894	486/2 486/3	Kotumachagi	Gadag	Gadag	15	31	9.13	75	44	55.54	
64	RNPKURD-18	43 P	580092	1713868	444/7	Kotumachagi	Gadag	Gadag	15	30	3.22	75	44	48.25	
65	RNPK-15	43 P	579920	1715362	461/1C	Kotumachagi	Gadag	Gadag	15	30	51.86	75	44	42.66	
66	RNPK-16	43 P	579820	1716553	514/1 518/2A	Kotumachagi	Gadag	Gadag	15	31	30.63	75	44	39.44	
67	RNPKURD-11	43 P	580378	1717500	526/5 526/6	Kotumachagi	Gadag	Gadag	15	32	1.39	75	44	58.28	
68	RNPK-12	43 P	577841	1717190	27	Nagaral	Ron	Gadag	15	31	51.59	75	43	33.08	
69	RNPKURD-2	43 P	577792	1719072	174/2	Yarebeleri	Ron	Gadag	15	32	52.84	75	43	31.65	



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