```
Energy changes (Willity)
                                                       71200
                                         861-1200
0-200
               201-400
                            401-800
                                          unit
 units
                            wnit
                wnits
                                                        8 RS/ KWh
                                           TRE/KWh
                            6.5 R8/ KWh
               4.5 RB/KWh
 3 Rg/KWh
         50%) 116.67 y.= 76°%, 133.33 y.= 400 166.67 = 500 y.
                                 L buying price = 1.5 Re/KWh]
  Note: - + Supply - demand.
    tor D>A
                                      Available supply = +1800
      - Available/ Price
H,
                                       Demand = -3000
       + 200
                  2.7
H2
        -400
                                       Utility sell > Starts from 3 Re/xwh

bys > 1.5 Rs/xwh
         -600
H3
          -200
44
          -600
H5
```

H.

H7

H3

Ha

+ 1800

- 900

+500

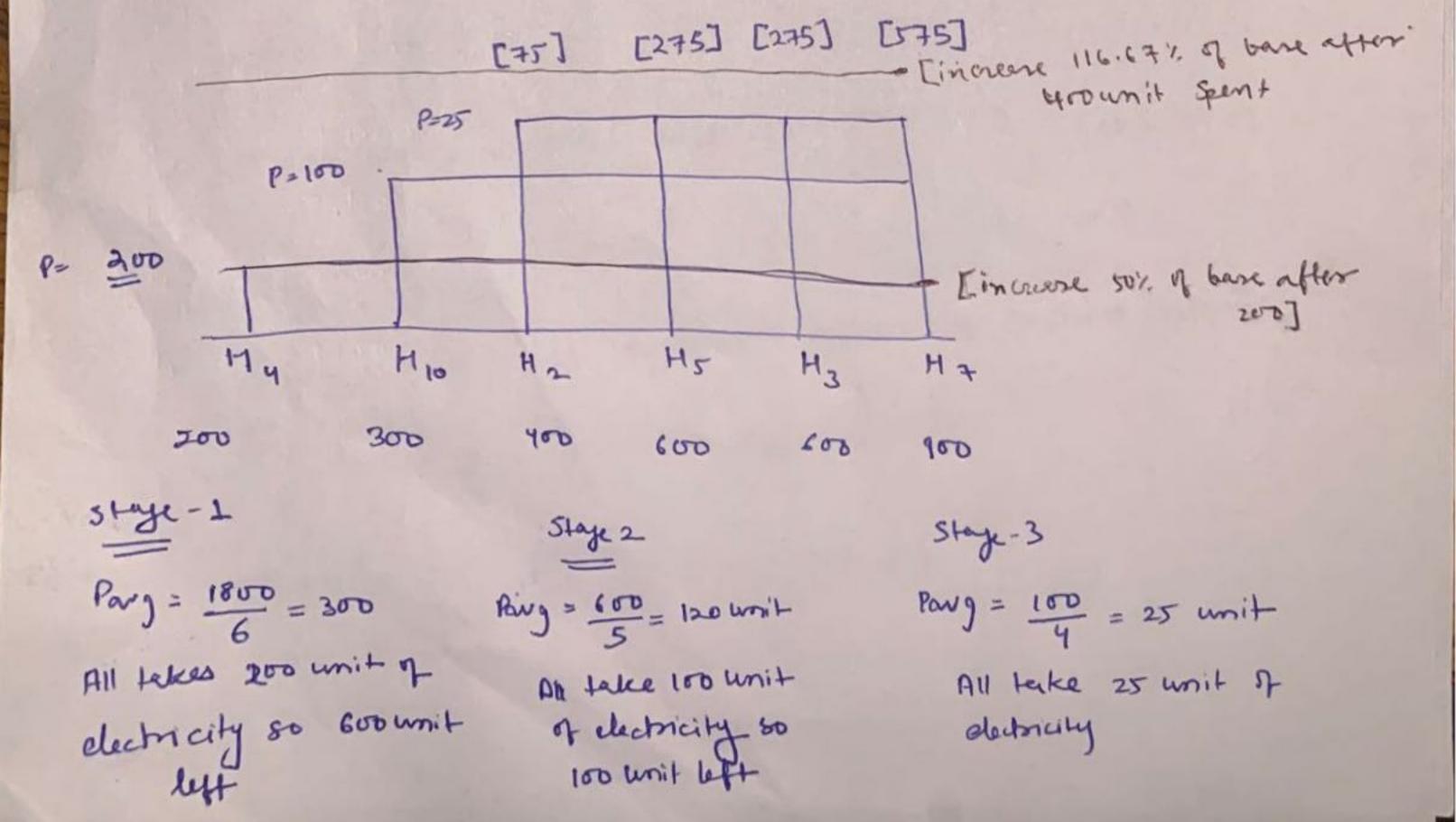
+100

- 300

2

2.5

2.3



Note: - Base price mentioned earlier is price set by the seller and the increase is based on the utility pamebook of belli.

Price any = 1000x2 + 100x2.3 + 500x2.5 + 200x2.7 1800

Price ang = 1.233 Re/writ

Price paid by the buyer is: -

Hy = 2.283 Re/unit => 2.233 x 200 X1 = 446.6 Rs H10 = 2.233 x 1 x 200 + 2.233 x 1.5 x 100 = 781.55 RS

H2 = 2.233 x1 x200 + 2.233 x 1.5x100 + 2.233 x 75x 2.1667 = 1144.41 RS

Hz = 1144.41 Rg

H2 = 1144.41 Kg

H7 = 1144.41 Rq

Total price = 446.6 +781.55 + 1144.41 x 4 = 5805.79 Rg

Coaled price = 4019.4

Extra price due to high lises because of certain contumer 5805.79 - 4019.4= 1786.39

Extra ang = 1786.39 = 0.9924 Re/unit 1800

if cosumer had to by buy directly from whility than.

Hy -200 > 200×3

H10 -300 > 200×3+100×4.5

H2 -400 > 200×3+100×4.5

H3 -600 > 200×3+250

H4 -900 > 200×3+200

if costumer ned to by directly from whility then

= 600 \$ 200 x 3 -200 44 >> 200×3+100×4.5 = 1650 = -300 HID 3) 250×3 +125 ×4.5 = 1162.5 -400 2 200 x3 +125 x 4.5 = 1162.5 - 600 43 >> 200x3 + 125x4.5 = 1162.5 - 600 H5 > 200x3 + 125x4.5 = 1162.5 -900 H7 6300 Re

He we can see that there is almost 493 Res difference but whitely and locality.

For A>D 4, 41200 . 5.7 Available supply = 3500 unit -400 Demand = 2800 uni't - 220 -100 4 - 600 H6 - 900 + 700 2.5 + 250 2.3 HIO puyer Sorting Supplyor - 400 H2 11200 41 H3 + 1400 2 46 HY -100 + 700 2.5 - 600 H5

H7

H10

-300

Ha

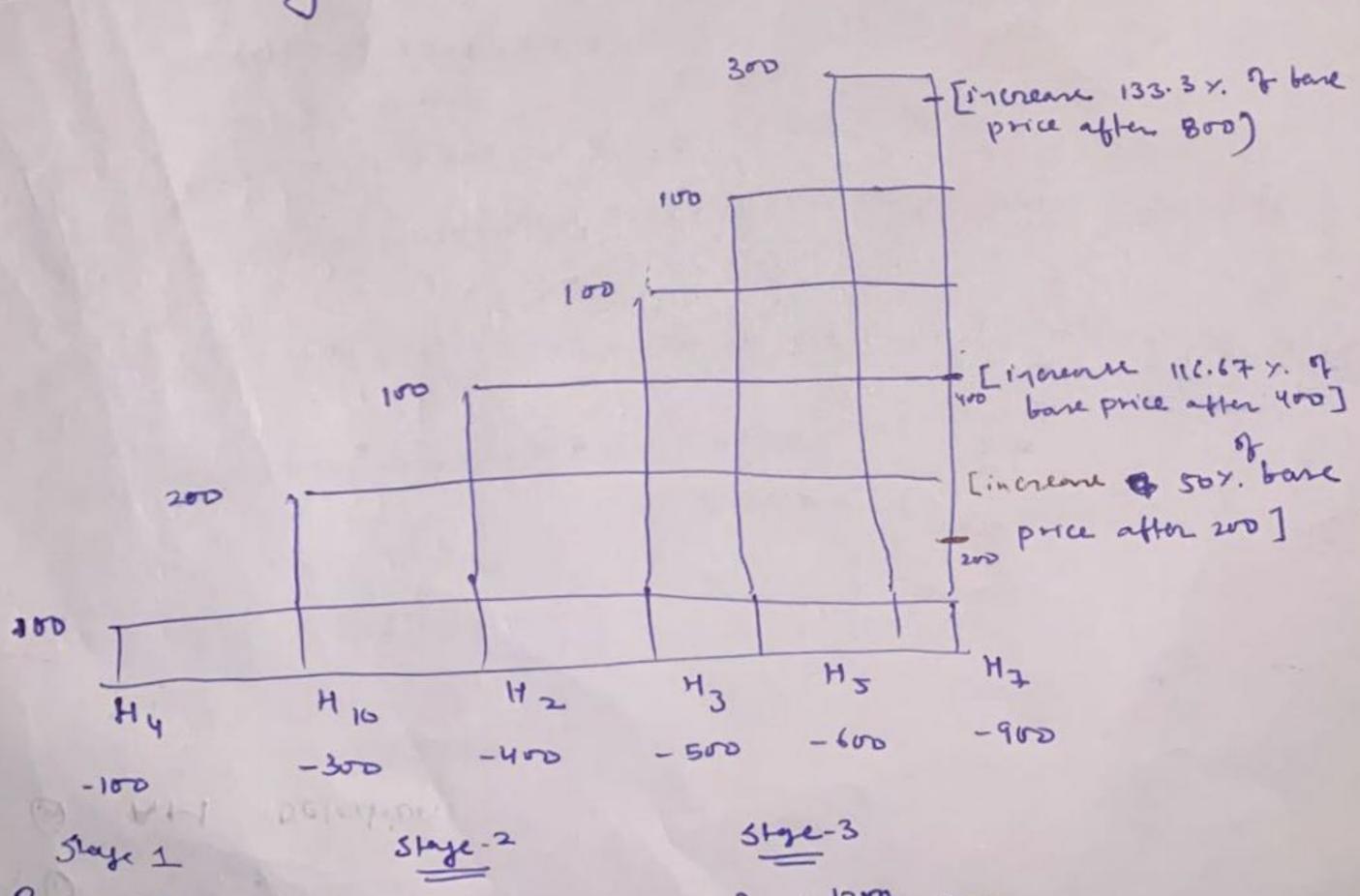
+ 200 2.3

$$H_{6}$$
 + 1400 2 $\frac{1}{4}$ $\frac{1}{4}$

Since Demand is the supplier

i.e H ((1400) + Hq (200) + H & (700) + H, (500)

[Note: - Here H. have to sell its extra too writ to whility at the price of 1.5 Refunit.



Staye 1 Staye - 2 Staye - 3 Staye - 3 Pary = 2800 = 4(1.17 Pary = 2200 = 440 Pary = 1200 = 300

we will give only we will give we will give 100 100 unit to all 200 to all soo left 50 2200 unit left 1200 left

Pang = $\frac{800}{3}$ = 2CG.67 Pang = 5 we will give only we will go unit so so 3

Staye-5 Staye 6

Pany = 500 = 250 Pany = 300 unit

we will give not unit

so 300 unit left

Price any = 1400x2 + 200 x 2.3 + 700 x 2.5 + 500 x 2.7 = 2.2744 Asjunit

Hy = 100 x 2.2714 = 2 27.14 Rg

Ho = 200 x 2.2714 + 100 x 1.5 x 2.2714 = 794.99 B

H1 = 200x 2.2714 + 200 x 1.5 x 2.2714 = 1135.7 Rg

43 = 200 x2.2714 + 200 x1.5 x2.2714 + 100 x 2.1667 x 2.2714 = 1627.84 Rg

45 = 200 x 2.2714 + 200 x 1. + x 2.2714 + 200 x 2.1667 x 2.2714 = 2119.98 Rg

H7 = 200 × 2.2714 + 250 × 1.5 × 2.2714 + 400 × 2.167 × 2.2714 +

100 × 2.33 × 2.2714 = 3633.513.69

Total = 9539.163

Couled price = 16359.92

Expapsice due to high uses = 9539.113 - 6359.92 = 3179.243

Extra price/writ = 1.1354 Re/writ

$$H_{6}$$
 + 1400 2 $(23+1.1354)\times1400 = 4389.56$
 H_{9} + 200 2.3 $(23+1.1354)\times200 = 22038 687.08$
 H_{9} + 200 2.5 $(2.7+1.1354)\times200 = 2544.78$
 H_{1} + 1200 2.7 $(2.7+1.1354)\times500 = 1917.7$
 H_{1} + 1200 2.7 $(2.7+1.1354)\times500 = 1917.7$
 H_{1} + 1200 2.7 $(2.7+1.1354)\times500 = 1917.7$
 H_{1} + 1200 2.7 $(2.7+1.1354)\times500 = 1917.7$

if they would have bought from wility.

Hy -100 =
$$100 \times 3$$
 = 300
H₁₀ -300 = $200 \times 3 + 100 \times 4.5$ = 1500
H₂ -400 = $200 \times 3 + 200 \times 4.5 + 100 \times 6.5$ = 2150
H₃ -500 = $200 \times 3 + 200 \times 4.5 + 100 \times 6.5$ = 2800
H₅ -600 = $200 \times 3 + 200 \times 4.5 + 200 \times 6.5 + 100 \times 7 = 4800$
H₇ -900 = $200 \times 3 + 200 \times 4.5 + 400 \times 6.5 + 100 \times 7 = 4800$
= 12600

Utility having price 3060.837 higher than this system.