# Transport

So are two things that we really want from here,

1. The approx. costs for each type of journey, critically including running costs, labour costs and (approximate) capital costs, listed above (ideally we’d reduce this to a km cost, so we can produce various hypothetical set-ups of different length journeys)
2. The GHG emissions for each type of journey again including running and embodied emissions for each type of journey listed in above, and again ideally reducible to a km emissions

|  |  |  |
| --- | --- | --- |
|  |  |  |
| 1 | Vehicle type (eg tata ace) |  |
| 2 | Approx. weight of vehicle(t) |  |
| 3 | Typical distance this vehicle does in a single journey (a min and max would be interesting, but not essential) (one way, km) |  |
| 4 | How long would this journey typically take (hrs) |  |
| 5 | Typical number of km/day (for vehicle) high season |  |
| 6 | Typical number of km/day (for vehicle) low season |  |
| 7 | How long is the high season? |  |
| 8 | How long is the low season? |  |
| 9 | Typical number days work/yr (for vehicle) |  |
| 10 | **So typical number of km/yr (just checking we get that critical data)** |  |
| 11 | **Diesel use (km/l)** |  |
| 12 | **Typical load for PADDY (if given in bags, please convert it to kgs)** |  |
| 13 | **Typical load for RICE (if given in bags, please convert it to kgs)** |  |
| 14 | **Description of return journey (full, empty, ideally described as a proportion of value compared to the rice journey. This is to tell us how much of each journey to the rice)** |  |
| 15 | Who owns the vehicle? |  |
| 16 | When was it bought? |  |
| 17 | Was it bought new? |  |
| 18 | How much did it cost to be ready for the road? |  |
| 19 | How long will you keep the vehicle (how old will it be)? |  |
| 20 | Likely price it might be sold at? |  |
| 21 | Annual maintenance bill (rs) |  |
| 22 | Was a loan used to buy it? if so please see loan box below |  |
| 23 | Do they give a portion of money to an agent/fixer who gets them the job? |  |
| 24 | How much do they charge for carrying a typical load of **paddy**? Ultimately need most is to reduce it to Rs/kg, so please make sure I can do that, but if it is more complicated, ie (*x)* Rs for first 50 sacks, followed by (*y)* Rs for any additional ones, and per km, then a description would be interesting too. |  |
| 25 | How much do they charge for carrying a typical load of **RICE**?  |  |
| **LABOUR** | COMMENTS |  |
|  | Driver | Cleaner |
|  |  | i | Ii |
| 26 | How many hours a day does the driver typically work (including necessary non driving time (ie might need to hang around at drop off while it’s being unloaded)) HIGH SEASON |  |  |
| 27 | How many hours a day does the driver/cleaner typically work (including necessary non driving time (ie might need to hang around at drop off while it’s being unloaded)) LOW SEASON |  |  |
| 28 | How many days/ a week (HIGH SEASON) |  |  |
| 29 | How many days/ a week (LOW SEASON) |  |  |
| 30 | How many days/yr (typical) |  |  |
| 31 | If drivers are paid (and not owners) how much are they paid per day? |  |  |
| 32 |  |  |
| 33 | **Loaders**. How many people load the vehicle? |  |
| 34 | How much are they paid for loading the vehicle (per sack or per hour)? |  |
| 35 | How long does it take to load the vehicle? |  |
| 36 | Who unloads the vehicle |  |
| 37 | How long does it take to unload the vehicle? |  |
| 38 | How much are they paid for unloading the vehicle (per sack or per hour)? |  |
| 39 | Any other labour costs? |  |
|  |  |  |

Water

|  |  |  |
| --- | --- | --- |
| 1 | Total water use per month (ie is it cleaned every week, using 10 x 10litre buckets, and how much is needed for the radiator, 1l a day? |  |
|  |  |  |
|  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Source** | Amount Borrowed | Nature of Collateral | Interest Rate | Duration of Loan | Amount Outstanding |
|  |  | **i** | **ii** | **iii** | **iv** | **v** |
| **A** | **Institutional Sources** |  |  |  |  |  |
| a | Commercial Banks |   |  |  |  |  |
| b | Co-operatives |   |  |  |  |  |
| c | RRBs |   |  |  |  |  |
| d | Government/Others |   |  |  |  |  |
| e | Total |   |  |  |  |  |
| **B** | **Non-Institutional Sources** |  |  |  |  |  |
| a | Money Lenders |  |  |  |  |  |
| b | Rich Farmers |  |  |  |  |  |
| c | Private Companies/MFCs |  |  |  |  |  |
| d | Friends & Relatives |  |  |  |  |  |
| e | Input Dealers/Traders |  |  |  |  |  |
| f | Total |  |  |  |  |  |
| All Loans |  |  |  |  |  |

**Costs for transport operator**

|  |  |  |
| --- | --- | --- |
|  |  |  |
| a | What is the labour cost as a proportion of total costs per month (or) per year |  |
| b | What is the diesel cost as a proportion of total costs per month (or) per year |  |
| c | What is the maintenance cost as a proportion of total costs per month (or) per year |  |
| d | What is the total value of all assets (lorries, buildings, shed etc) this year |  |