# **CHAPTER VII BEEL-WISE EFFECTIVENESS** OF GEARS RESEARCH HYPOTHESIS I

# BEEL WISE ANALYSIS OF COST EFFECTIVENESS OF GEARS

### INTRODUCTION

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The various past works on the effectiveness of gears and methods have found to vary in their effectiveness in the different beels/lakes/reservoirs. For example, Yadav (1981) have found *Katal* fishing as the most effective one in Dhir beel (Assam); Dey et al. (1989) found *Dori* (trap) as the most effective in Sone beel (Assam); Amarasinghe et al. (1992) found gill netting is the only regular fishing method in both Minneria and Kaudulla reservoir in Sri Lanka. Like wise, Znamensky (1967), Sulochanan (1968) and Naidu et al. (1972) reported the superiority of frame nets (gill nets) over other gears. These findings have led to the following research hypothesis.

 $H_0$ : The level of effectiveness of gears varies across the different beels of Assam – i.e., if one type of gear is effective in a particular beel, the same may not be effective in the other beels. As such the level of effectiveness is influenced by the types of species available, their density and the hydrological condition of the beel.

H<sub>1</sub>: The level of effectiveness of various gears remains same in all the beels under study.

In this chapter the results of the hypothesis I (on the basis of chapter IV), along with the fish species observed in the beel fisheries of Assam during the present research have been discussed.

### REVIEW OF LITERATURE

No reports are available on the comparative economic viability of fishing gears in beel fisheries of Assam. But, various authors have reported similar works in the marine fisheries in different times. Yahaye and Wells (1980), Kuriyan and William (1982), Keshavan Nair, et al. (1984), Sathiadas and Paniker (1988), Dutta, et al. (1989), and Annamalai and Kandoran (1990) have reported on the comparative efficiencies of fishing gears used in marine waters. Likewise, Rao (1991) discussed about the efficiencies of gears in different fishing grounds. Similarly, Siluvai Raj et al. (1992) studied on economics of fishing units in the backwater of Kerala.

# MATERIALS AND METHODS

To study the level of effectiveness of gears in different beels cost-effectiveness analysis was carried out following the formulae given in chapter 4. In addition, the factors, which determine the level of effectiveness of a particular gear, were also identified through group discussions in 55 beels of Assam. The responses from the interviews were recorded in the Semantic Differential Scale as shown in *Appendix I*.

# **OBSERVATION**

The cost benefit studies of different gears as observed during the present research work have been shown in table- 7.1 (also in the tables and figures of Chapter IV), and described below for different beels of Assam.

### KALIDANGA BEEL

The fishing gears are used in commercial fishing purposes are dolijal, musharijal, berjal, phansijal, langijal, khewalijal, and hook and line fishing. Though dolijal is found as the most effective gear in the beel, but other gears such as musarijal, berjal, phansijal, and langijal are also found economically effective. All the economic criteria are found within the feasible range, such as ROR from 46% (khewalijal) to 720% (musarijal); BCR from 3.15 (khewalijal); to 35.49 (musarijal); NKR from 3.54 (khewalijal) to 45.2 (musarijal); IRR from 57% (khewalijal) to 500% (dolijal); and NPV from Rs.10, 817/- (khewalijal) to Rs.17,22,807/- (dolijal). The CTOR is also found above the feasible range except in the case of musarijal (0.09). Hence, musarijal is considered as partially effective gear in this beel.

### HAKAMA BEEL

The acquisition cost, operating cost, total cost and total revenue earned from the use of musarijal, dolijal, berjal, phansijal, langijal, khewalijal and hooks and line fishing is given in Table – 7.1. From the study of various economic parameters it is clear that dolijal is more feasible in comparison to other types of gears used in the beel. The B-C ratio was found between 1.46 (khewalijal) to 35.49 (musarijal) and the N-K ratio was recorded from 1.54 (khewalijal) to 45.2 (musarijal) showing that the gears can provide maximum benefit at least cost. Like wise, IRR was found between 23% (khewalijal) to 500% (dolijal) indicating economic viability of all gears. Similarly, the NPV also exhibited positive results of the use of the gears under study. Thus, all the gears used in this beel are found to be effective.

### NANDINI BEEL

Dolijal, berjal, phansijal, langijal, khewalijal, and hook and line fishing are the main gears used in commercial fishing in this beel. All gear except hook and line are found above the effective range. The different economic parameters such as CTOR (1.3 to 8.19), ROR (18 to 631%), BCR (1.73 to 31.67), NKR (1.79 to 39.71), IRR (27 to 604%) and NPV (Rs.3379.91-to Rs.2244957/-) are found within the viable range.

Further, the analysis shows that *doilijal* is the most effective gear in the beel. On the other hand, all the economic parameters are found below the effective range in case of hook and line fishing, which indicates that the gear is not effective for commercial fishing in the beel.

### HARINCHORA BEEL

Musarijal, berjal, phansijal, langijal, khewalijal, hook and line, and parangijal are the major gears of the beel in commercial fishing. The analysis shows that berjal is the most effective gear in the beel with its CTOR (4.54), ROR (336%), BCR (8.72), NKR (14.61), IRR (196%) and NPV (Rs.422099.8). Moreover, musarijal, phansijal, langijal, khewalijal, and parangijal are also found effective in all economic criteria. Hook and line fishing is the only gear, which is found not effective in the beel as far as the study of economic criteria are concern.

### **BARUNDANGA BEEL**

For commercial purpose musarijal, berjal, phansijal, langijal, khewalijal, hook and line, and parangijal are found as the major gears of the beel. Among these gears musarijal, berjal, phanssijal, langijal and khewalijal are found effective in all economic criteria. The BDR (2.5 to 12.1) and NKR (1.27 to 23.64) show that the gears are able to provide maximum benefit at least cost. In case of hook and line fishing and parangijal all economic criteria are found either below the viable range or negative, which indicates the inability of these two gears to earn benefit against the required costs.

### **BHOISPURI BEEL**

In this beel musarijal, berjal, khewaijal, phansijal, langijal, hook and line, and parangijal are found in commercial fishing. The analysis of economic criteria show that khewalijal, phansijal, and langijal are the effective gears in all criteria, such as CTOR (2.42 to 11.88), ROR (90 to 253%), BCR (5.45 to 8.55), NKR (6.19 to 16.4), IRR (99 to 212%) and NPV (Rs.12320/- to Rs.25933.60). Musarijal is found partially effective, because — CTOR (1.16), BCR (1.21), NKR (1.26), IRR

(23%), and NPV (Rs.11791.50) are found within the viable range but ROR (10%) is found below the feasible range. The study further show that hook and line fishing and parangijal are the two gears the economic criteria of which are found either below the viable range or negative as far as the analysis is concerned. Hence these two gears are recognized as not effective in this beel.

### **JOGRA BEEL**

The major gears found in commercial fishing in the beel are musarijal, berjal, khewalijal, phansijal, langijal, hook and line, and parangijal. The economic criteria such as CTOR (1.1 to 2.52), ROR (24 to 117%), BCR (1.65 to 5.91), NKR (1.99 to 6.45) and IRR (35 to 103%) are found above the feasible range for musarijal, berjal, khewalijal, phansijal, langijal and parangijal. Hook and line fishing is found not effective in the beel and all economic criteria except CTOR (1.62) are found either below the viable range or negative.

### CHANDAKHAL BEEL

Musarijal, berjal, khewalijal, phansijal, langijal, hook and line, and parangijal are the main gears used for commercial purpose. In this beel all gears are found effective except hook and line fishing. The study of BCR (2.26 to 20.44) and NKR (2.49 to 28.22) show that the gears are able to provide benefit at least cost. On the other hand, all economic criteria except CTOT (1.18), for hook and line fishing are found below the feasible range.

### SAGMARA BEEL

In this beel musarijal, khewalijal, phansijal, langijal, hook and line, and ghatjal are the main gears, which are used in commercial fishing. The analysis shows that phansijal, langijal, and ghatjal are the effective gears in all criteria, such as CTOR (1.41 to 2.29), ROR (32 to 55%), NPV (Rs.7975/- to Rs14379.31), BCR (2.24 to 3.75), NKR (2.53 to 3.99) and IRR (42 to 64%). Musarijal, on the other hand, found partially effective due to lower CTOR (0.47). Likewise, khewalijal, and hook and line

fishing are found economically not effective and all economic parameters except CTOR (1.25) are found below the viable range.

### **BORBILLA BEEL**

The major gears of the beel, which are used in commercial fishing, are the *musarijal*, *khewalijal*, *phansijal*, *langijal*, *hook and line fishing*, and *ghatjal*. On the basis of all economic criteria *musarijal*, *phansijal*, and *langijal* are found effective in this beel. The study of BCR (1.58 to 6.43), and NKR (1.7 to 6.94) show that the gear is able to provide sufficient benefit at least cost. The IRR (26to 111%) and ROR (17 to 103%) also indicate the effectiveness of the gear in this beel. But *khewalijal*, *hook and line fishing* and *ghatjal* are found not effective in the beel. Except CTOR, all other economic criteria are found below the viable range.

### **BOTUAKAMAKHYA BEEL**

In this beel musarijal, khewalijal, phansijal, langijal, hook and line and ghatjal are found in commercial fishing. Among the gears, musarijal is found as the most effective gear with CTOR (4.7), ROR (1.57), BCR (7.85), IRR (154%) and NKR (10.22). Other gears, which are found found economically viable, are khewlijal, phansijal, langijal, and ghatjal. The study further reveals that hook and line is the partially effective gear due to its lower ROR (10%).

### SILIGURIJAN BEEL

The economic analysis shows that all the gears used in the beel such as *musarijal*, *dolijal*, *asrajal* and *phansijal*, are effective in all economic criteria. The BCR (1.3 to 9.54), and NKR (1.41 to 15.16) show that these gears can provide sufficient benefit at least cost. Among the gears *dolijal* is found as the most effective in comparison to other gears with CTOR (4.39), ROR (238%), NPV (Rs.580687.60), BCR (9.54), IRR (211%) and NKR (15.16).

### DEEPAR BEEL

Musarijal, berjal, phansijal, langijal, dhenkijal, and hook and line fishing are the major gears of the beel. The economic study reveals that except hook and line all other gears are found effective. The economic criteria such as BCR (2.65 to 7.78) and NKR (2.98 to 10.5) indicate that these gears can provide maximum benefit at least cost. The ROR (39 to 161%) and IRR (48 to 156%) are also found above the feasible range. On the other hand, hook and line fishing is also found effective from the study of CTOR (1.3), NPV (Rs.728/-), BCR (1.17), IRR (16%), and NKR (1.2%), but ROR (11%) shows that the gear is unable to provide sufficient return to its costs, hence the gear is considered as partially effective in the beel.

### **SOLMARI BEEL**

In this beel the data for economic analysis are available for only three gears namely langijal, parangijal and khewalijal. Of these three gears langijal is found to be most viable from the point of view of the economic indicators like CTOR (36), ROR (6.6 or 660%), BCR (17.04), IRR (460%), NPV (Rs.10342.50) and NKR (42.37). Further, the study reveals that parangijal, and khewalijal are also effective in all economic criteria.

### MORI BEEL

The analysis reveals that all the gears used in the beel, such as musari, khewalijal, phansijal, langijal, ghatjal, and horhorijal, are effective in all economical criteria. The CTOR (1.54 to 7.79), ROR (52 to 1017%), BCR (2.51 to 37.8), IRR (43 to 724%) and NKR (2.65 to 48.7) reveal that these gears are able to earn sufficient benefit against their respective investment and operational costs. Among all the gears musarijal is found as most effective gear in the beel as far as the present study is concern.

### **BORMONOHA BEEL**

In Bormonoha beel also all the gears, which are used in commercial fishing, such as musarijal, phansijal, langijal, horhorijal and ghatjal, are found effective in all

economic criteria. As shown in table-7.1 all economic parameters are found above the feasible range. Among the gears, *khewalijal* is found as the most feasible gear from the economic point of view. The economic indicators such as CTOR (4.18), ROR (2.03 or 203%), B-C ratio (11.96), IRR (207), NPV (Rs.60497/-) and N-K ratio (13.09) are found maximum in case of *khewalijal*.

### **JALUGUTI BEEL**

Musarijal, dolijal, khewalijal, phansijal, langijal, hook and line, and horhorijal are the major gears used for commercial purpose in this beel. The analysis reveals that except hook and line fishing all the other gears used in the beel are found effective in respect to their analysis. The economic criteria such as CTOR (1.58 to 8.57), ROR (19 to 166%), BCR (1.66 to 8.86), IRR (26 to 142%), and NKR (1.72 to 10.71) exhibit the economic feasibility of the gear. On the other hand, except CTOR (1.37) all other economic parameters are found either below the viable range or negative for hook and line fishing. Hence, hook and line fishing has been considered as not effective in the beel.

### KASODHORA BEEL

In this beel *langijal* is found as the most feasible gear as far as the economic analysis is concerned. All the economic indicators such as CTOR (4.35), ROR (187%), BCR (9.65), NPV (Rs.47026/-), IRR (182%) and NKR (12.06) are found above the viable range. Other effective gears in all criteria are *musarijal*, *dolijal*, *khewalijal*, *phansijal*, and *langijal*. On the other hand, parangijal is found partially effective due to its low ROR (07%). The analysis further show that hooks and line fishing is not effective and all the economic criteria are found below the feasible range.

### **KUJIBALIPATTI BEEL**

Musarijal, dolijal, khewalijal, phansijal, langijal, hook and line, horhorijal, and parangijal are used in the beel for fishing purpose. The economic analysis reveals that except khewalijal all other gears are found effective in respect to their economic criteria such as CTOR (1.26 to 7.91), ROR (23 to 265%), BCR (1.34 to 14.36), IRR

(20 to 259%), and NKR (1.4 to 16.84). On the other hand, all the economic parameters for *khewalijal* are found below the feasible range; hence, it is considered as not effective in the beel.

### DEORA BEEL

In this beel musarijal, dolijal, khewlijal, phansijal, langijal, hook and line, and parangijal are found in use for fishing purpose. Except hook and line all other gears are found effective in all economic criteria. The BCR (1.66 to 8.88), and NKR (1.79 to 16.77) indicate that the gears can provide sufficient benefit against the total operational cost required in fishing. Likewise, IRR (28 to 217%), and ROR (21 to 259%) exhibit maximum return against the required investments. Hook and line fishing is the only gear found as not effective in this beel.

### THEKERA BEEL

Musarijal, berjal, khewalijal, phansijal, langijal, hook and line, horhorijal, and parangijal are the main gears, which are used in commercial fishing. Among these gears khewalijal is found economically most feasible gear in this beel in comparison to other types of gear with its CTOR (3.09), ROR (135%), BCR (7.69), NPV (Rs.37698/-), IRR (138%) and NKR (8.85). Other effective gears of the beel are musarijal, berjal, phansijal, and langijal. On the other hand, all economic criteria for hook and line fishing is found below the viable range.

### **UDORI BEEL**

Udori beel is a riverine beel where musarijal, khewalijal, phansijal, langijal, ghatjal, hook and line, and horhorijal are the major gears used in fishing. The economic analysis reveals that all gears used in the beel for fishing purpose are economically effective in all criteria. The BCR (2.45 to 23.83), and NKR (2.71 to 29.98) reveals that the gear can provide maximum benefit at least cost. Likewise, ROR (37 to 461%) and IRR (44 to 450%) exhibit sufficient returns to the investment. Similarly, NPV is also found positive for all the gears used in the beel.

### NANDINI-KARMARI BEEL

Musarijal, khewali, phansijal, langijal, ghatjal, hook and line, and horhorijal are found in operation during the present study. Among these gears musarijal is found as the most effective in comparison to other gears. The economic criteria such as CTOR (10.43), ROR (727%), BCR (34.12), IRR (675%), and NKR (46.27) are found higher than the other gears. Moreover, khewalijal, phansijal, langijal, ghatjal and horhorijal are also found economically effective. But, hook and line fishing is the only gear, which is found not effective for commercial purpose in this beel.

### LAKHANABANDHA BEEL

Musarijal, khewalijal, phansijal, langijal, hook and line fishing are found in use for commercial purpose. The economic analysis shows that musarijal, khewalijal, phansijal, langijal, are the effective gears. The economic parameters such as CTOR (1.93 to 7.0), ROR (56 to 423%), BCR (3.41 to 20.74), IRR (61 to 396%) and NKR (3.77 to 26.53) are found within the viable range. On the other hand, hook and line fishing shows its inability to provide benefit and except CTOR (1.0) all other economic parameters are found below the viable range.

### SATIYAN BEEL

The gears use in fishing purpose are musarijal, berjal, khewalijal, phansijal, langijal, dhenkijal, and hook and line fishing. Among the gears musari, ber, phansi, langi and dhenkijal are found as effective gears of the beel. The BCR (2.74 to 4.02) and NKR (2.75 to 7.45) reveals that the gears can provide well benefit at least cost. Likewise, IRR (45 to 119%), and NPV (Rs.9989.11 to Rs.111087.80) also found positive. But, khewalijal, and hook and line fishing are found as ineffective gears of the beel and except CTOR (1.04 and 1.58) all other economic criteria are found negative.

### SIYALEKHAITY BEEL

The major gears of the beel used in fishing are musarijal, khewalijal, phansijal, langijal, dhenkijal, and hook and line fishing. The study on economic criteria reveals that musarijal, khewalijal, phansijal, langijal, and dhenkijal are the effective gears of

the beel. The economic criteria such as CTOR (1.79 to 4.01), ROR (24 to 198%), BCR (1.82 to 8.69), IRR (31 to 185%) and NKR (1.98 to 12.69) are found within the economic feasible range. On the other hand, the study show that *hooks and line fishing* is unable to provide benefit against the required operational costs and besides CTOR (1.48) all other economic criteria are found negative.

### **DIGHALI-PATALI BEEL**

Musarijal, berjal, khewalijal, phansijal, langijal, dhenkijal, and hook and line fishing are the major gears of the beel. Among the gears berjal, khewalijal, phansijal, langijal and dhenkijal are found effective in all economic criteria. The CTOR (1.39 to 4.09), ROR (25 to 136%), BCR (1.91 to 8.36), IRR (33 to 143%), and NKR (2.06 to 8.98) reveal that these gears are able to provide sufficient benefit against their capital investments and required operational costs. The economic analysis further reveals that musarijal, and hook and line fishing are not effective. Though, ROR (12%) in case of musarijal is found viable but all other criteria are found below the feasible range. Likewise, in case of hook and line CTOR (1.56) is found effective but other criteria are found to be negative.

### **BRAHMAMAIJAN BEEL**

In this beel musarijal, khewalijal, phansijal, langijal, dhenkijal and hook and line fishing are used in commercial fishing. The analysis shows that all the gears except dhenkijal are economically feasible in this beel. The economic criteria such as CTOR (1.92 to 9.02), ROR (19 to 204%), BCR (1.64 to 7.06), IRR (26 to 175%), and NKR (1.69 to 13.36) are found as effective. But, except CTOR (1.08) all other criteria for dhenkijal are found negative indicating inability of the gear to earn required revenue.

### SALCHAPRA BEEL

The gears used in commercial fishing are *musarijal*, *purjal*, *khewalijal*, *phansijal*, *langijal*, and *hook and line fishing*. Except hook and line fishing all other gears of the beel are found economically effective. The BCR (2.12 to 8.78) and NKR (2.24 to 10.23) reveals that these gears can provide maximum benefit at least cost. Likewise,

ROR (27 to 155%) and IRR (36 to 159%) show sufficient return against the operational costs. Similarly, NPV is also found positive for all the effective gears. But, hook and line fishing is the only gear in the beel, which fails to provide benefit and except CTOR (1.91) all other economic criteria are found negative.

### SIBNARAYANPUR ANUA

In this beel musarijal, khewalijal, phansijal, langijal, and hook and line fishing are found in use. The economic analysis reveals that except phansijal and hook and line fishing all other gears are economically effective in all criteria. The economic parameters such as CTOR (1.83 to 6.16), ROR (23 to 117%), BCR (1.81 to 4.99), IRR (30 to 112%), and NKR (1.94 to 7.8) are found within the economic feasible range. Phansijal, on the other hand, found partially effective because though ROR (24%), BCR (2.07), IRR (35%), and NKR (2.19) are found effective, but CTOR (0.97) is found below the viable range indicating the gear need more investment against its return. The study further reveals that hook and line fishing is not effective in the beel because all economic criteria are found in negative.

### **BASKANDI BEEL**

The gears used in commercial fishing in this beel are *musarijal*, *purjal*, *khewalijal*, *phansijal*, *langijal* and *hook and line fishing*, and *parangijal*. Among these gears *purjal*, which is also known as *berjal* is found as economically most viable gear with the CTOR (4.07), ROR (259%), BCR (12.71), NPV (Rs.116385/-), IRR (253%) and NKR (16.72). The study further reveals that all gears use in the beel for commercial purpose are effective in all economic criteria as shown in table-7.1.

### **AUTI-BAUTI BEEL**

In this beel musarijal, purjal, khewalijal, phansijal, langijal, and hook and line fishing are the major gears used in commercial purpose. Except purjal, all other gears are found economically effective. The economic parameters such as CTOR (1.98 to 4.5), ROR (33 to 259%), BCR (2.27 to 11.34), IRR (41 to 239) and NKR (2.53 to 16.72) are found above the economic feasible range, which indicate the ability of the

gears to provide sufficient benefit at least cost. *Purjal*, is the only gear in the beel, which is found not effective and all the economic criteria for the gear are found negative.

### TAPANG BEEL

Musarijal, purjal, khewalijal, phansijal, langijal, and parangijal are the major gears used in fishing purpose. Economic analyses show that musarijal is the most viable gear in the beel with its CTOR (4.02), ROR (2.37), NPV (Rs.397779.20), BCR (10.83), IRR (222%), and NKR (15.21). Other gears, which are found effective in all economic criteria, are khewalijal, phansijal, langijal, and parangijal. Purjal is the only gear of the beel, which fails to provide benefit and all economic criteria are found to be negative.

### DIGARBAKRI BAIYA

In this beel musarijal, purjal, khewalijal, phansijal, langijal, and parangijal are found as the major gears for commercial fishing. Except purjal all other gears are found economically effective. The economic parameters such as CTOR (1.37 to 2.57), ROR (19 to 78%), BCR (1.43 to 4.39), IRR (28 to 84%) and NKR (1.82 to 5.4) are found above the economic feasible range. The study further reveals that purjal is the only gear, which is unable to provide benefit against the required investment and operational cost.

### RANI-MEGNA BEEL

The main gears, which are used in commercial fishing are mahajal, jhankijal, phansijal, langijal, dhenkijal, and hook and line fishing. Among these gears, mahajal and phansijal are found economically effective in all criteria. But jhankijal and langijal are found partially effective because though these gears are found effective from the study of CTOR, NPV, BCR, IRR and NKR, but ROR (7% and 9%) are found below the viable range. The study further reveals that dhenkijal, and hook and line fishing are not effective in the beel and except CTOR (1.97 and 2.25, respectively) all other criteria are found below the viable range.

### SAGAR BEEL

In Sagar beel mahajal, jhankijal, phansijal, dhenkijal, hook and line, and parangijal are found as the major gears in commercial fishing. The economic analysis reveals that except dhenkijal and hook and line all gears used in the beel for fishing are economically viable in all criteria, such as CTOR (1.28 to 2.35), ROR (39 to 101%), BCR (2.75 to 6.48), IRR (49 to 112%) and NKR (3.01 to 7.03). On the other hand, except ROR (10%) all the other parameters for hook and line fishing are found above the feasible range, hence, the gear is recognized as partially effective. But, all economic parameters except CTOR (1.96) are found negative in case of dhenkijal, therefore, it is considered as not effective in this beel.

### **GOPHARCHANG BEEL**

Mahajal, jhankijal, phansijal, dhenkijal, and hook and line fishing are the gears, which are used in commercial fishing. Except dhenkijal, and hook and line all other gears are found economically effective in all economic criteria such as CTOR (2.7 to 8.69), ROR16 to 650%), BCR (1.65 to 27.5), IRR (26 to 580%), and NKR (1.7 to 41.28). Hook and line fishing, on the other hand, found partially effective, the ROR (8%) of which is found below the viable limit, though it is found effective in other criteria. But, except CTOR (1.57) all other economic criteria are found negative in case of dhenkijal, hence, it is considered as not effective in this beel.

### ANGANG BEEL

In this beel mahajal, jhankijal, phansijal, dhenkijal, and hook and line fishing are the main gears, which are used in fishing. Among these gears mahajal and hook and line fishing is found effective in all economic criteria such as CTOR, ROR, BCR, IRR, and NKR. The analysis further reveals that jhankijal and phansijal are partially effective, because, though the ROR (9%) is found below the viable range, but all the other economic criteria are found within the feasible range. Again in case of dhenkijal though CTOR (1.49) is found effective but other vital criteria are found negative. Hence, dhenkijal is considered as not effective in this beel.

### SONE BEEL

In Sone beel musarijal, jhankijal, langijal, dhenkijal, and hook and line fishing are found in use in commercial fishing. The economic analysis reveals that mahajal, is the most effective gear in the beel and all the economic criteria, such as CTOR (6.67), ROR (350%), NPV (Rs.972680.30), BCR (15.01), IRR (317%), and NKR (22.38) is found better in comparison to other economically effective gears, such as jhankijal, langijal, and hook and line fishing. The study further shows that dhenkijal fails to provide benefit against the cost needed for operation and except CTOR (1.92) all other economic criteria are found below the feasible range with negative NPV. Hence, dhenkijal is not effective in the beel.

### RATA BEEL

In this beel mahajal, jhankijal, langijal, and hook and line fishing are found in commercial fishing. Except hook and line fishing all the gears are found economically effective in all criteria. The BCR (1.25 to 2.0), and NKR (1.29 to 2.17) show that the gears can provide maximum benefit at least cost. Likewise, CTOR (1.22 to 1.77), ROR (12 to 28%) and IRR (18 to 36%) reveal that the gear can provide maximum return against their costs required for the installation and operation of the gears. On the other hand, except CTOR (1.44) all other economic criteria for hook and line fishing are found negative in this beel indicating its inability to provide benefit against the required costs.

### SAITALI BEEL

In this beel only langijal, dhenkijal and hooks and line fishing are found in use in commercial fishing. The study reveals that langijal is the only gear, which is found effective in all economic criteria. The economic parameters such as CTOR (1.73), ROR (17%), NPV (Rs.2671.47), BCR (1.49), IRR (24%), and NKR (1.6) reveals that the gear can provide sufficient benefit at least cost. The study further shows that dhenkijal, and hook and line are not effective in the beel and except CTOR (1.63 and 1.15 respectively). All other important economic criteria are found below the feasible range.

### **PUNGANI BEEL**

In this beel mahajal, berjal, phansijal, langijal, ghatjal, and hook and line fishing are the major gears found in commercial use. The economic study reveals that except ghatjal all other gears found in the beel are economically effective. The BCR (3.56 to 7.99) and NKR (4.19 to 9.94) show that the gears can provide maximum benefit at least cost. Likewise, NPV is also found positive. On the other hand, in case of dhenkijal except CTOR (1.39) all other economic parameters are found negative, hence, the gear is considered as not effective in the beel.

### GANAK-DUBAI-DUBA BEEL

Barjal, phansijal, langijal, ghatjal, and hook and line fishing are the major gears in commercial use. Except hook and line fishing, all other gears used in the beel are found effective in all criteria. The CTOR (2.22), ROR (106%), BCR (5.13), IRR (105%), and NKR (7.03). But, except CTOR (1.94), all other economic criteria for hook and line fishing are found negative; hence, it is recognized as not effective gear of the beel.

### GOROIMARI-BIHDIA-JOPORA BEEL

The fishing gears used in commercial fishing are musarijal, khewalijal, phansijal, langijal, parangijal, and hook and line fishing. The economic analysis reveals that all the gears used in the beel for commercial fishing purpose are economically effective in all criteria. Among these gears musarijal is the most effective gear with its CTOR (1.59 to 2.95), ROR (45 to 102%), BCR (2.95 to 6.01), IRR (53 to 107%) and NKR (3.25 to 6.84) reveals the ability of the gears to provide sufficient benefits against the required costs. On the other hand, except CTOR (1.23) and IRR (14.47%) all other criteria are found negative, hence, the gear is considered not effective in this beel.

### MERKOLA BERIA BEEL

In this beel all the gears, such as musarijal, khewalijal, phansijal, langijal, parangijal, and hook and line fishing are found economically effective in all criteria. Among the gears musarijal is found as the most effective gear with its CTOR (3.05), ROR

(135%), NPV (Rs.327563/-), BCR (6.3), IRR (132%) and NKR (8.99). Further, the analysis shows that these gears can provide maximum benefit at least cost.

### TINSULIBORBIL BEEL

Musarijal, khewalijal, phansijal, langijal, parangijal, and hook and line fishing are found as the major gears of the beel. Among these gears musarijal, langijal, and hook and line fishing are found effective in all economic criteria. The CTOR (2.05 to 4.49), ROR (65 to 175%), BCR (4.05 to 8.87), IRR (72 to 168%), and NKR (4.52 to 11.18) show that these gears can provide sufficient benefit at least cost. The study further reveals that khewalijal, phansijal, and parangijal are partially effective in the beel because, though the CTORs (0.46, 0.34 and 0.07) of the gears are found below the viable limit but other economic criteria are found economically effective.

### **MORIDISOI BEEL**

In this beel musarijal, khewalijal, phansijal, langijal, dhenkijal, and hook and line fishing are found as the major gears used in fishing. All the gears used in the beel for commercial purpose are found effective in all economic criteria. The CTOR (1.13 to 5.17), ROR (21 to 258%), BCR (1.74 to 14.32), IRR (28 to 256%) and NKR (1.82 to 16.5) exhibits that these gears can provide sufficient benefits against their required both capital investment and operating cost.

### **BOTALIKHOSA BEEL**

Musarijal, berjal, khewalijal, phansijal, langijal, dhenkijal, and hook and line fishing are the main gears found in commercial fishing. Analysis on economic parameters reveals that musarijal; berjal, khewalijal, phansijal, and langijal are the effective gears in all economic criteria. The CTOR (1.39 to 5.56), ROR (16 to 390%), BCR (1.46 to 17.26), IRR (58 to 356%) and NKR (1.55 to 24.78) are found within the feasible range, which indicates the ability of the gears to provide sufficient benefits against their required costs. On the other hand, in case of hook and line fishing except ROR (09%) all economic criteria are found within the viable range, hence, the gear is considered as partially effective. Again, in case of dhenkijal except CTOR (1.53) all

the criteria are found to be negative, hence, *dhenkijal* has been recognized as not effective in this beel.

### **BIHDIA BEEL**

Musarijal, berjal, khewalijal, phansijal, langijal, dhenkijal, and hook and line fishing are the major gears of the beel. Among the gears musarijal is found as the most effective gear in all economic criteria, such as CTOR (3.25), ROR (156%), NPV (10.08), which are found above the viable range. On the other hand, in case of khewalijal, dhenkijal, and hook and line fishing except CTOR (1.78, 1.56 and 1.17 respectively) all other economic criteria are found either below the viable range or negative, therefore, these gears are recognized as not effective.

### TELIADANGA BEEL

Musarijal, berjal, khewalijal, phansijal, langijal, dhenkijal, and hook and line are found in use for commercial purpose. The study reveals that except khewalijal all gears use in the beel are found effective in all criteria. The BCR (1.55 to 4.13), and NKR (1.62 to 4.42) show that the gears are able to provide sufficient benefit at least cost. Moreover, CTOR (1.04 to 2.75), ROR (17 to 78%), and NPV (Rs.2979/- to Rs.68598/-) are also found above the viable range. Khewalijal is the only gear of which all economic criteria are found below the feasible range, therefore, it is considered as not effective.

### MORIDIKHOW BEEL

In this beel musarijal, berjal, khewalijal, phansijal, langijal, dhenkijal, and hook and line fishing are found in commercial use. The economic analyses show that all the gears used in the beel for commercial fishing are effective in all economic criteria. All economic criteria such as CTOR (1.49 to 2.82), ROR (22 to 133%), BCR (1.47 to 7.21), IRR (23 to 133%) and NKR (1.55 to 8.68) exhibit the ability of the gears to provide sufficient benefits against the capital investments and operational costs.

### **BATHA BEEL**

In this beel musarijal, phansijal, langijal, khewalijal, dhenkijal, and hook and line fishing are found in use. Economic analysis reveals that phansijal, langijal, and khewalijal are the effective gears in the beel in all economic criteria with CTOR (1.29 to 3.07), ROR (46 to 133%), BCR (1.79 to 8.2), IRR (31 to 140%), and NKR (1.94 to 8.87). The analysis further shows that in case of musarijal except CTOR (0.09) all economic parameters are highly effective hence it is recognized as partially effective. On the other hand, in case of dhenkijal, except CTOR (1.53) all other parameters are found below the viable limit, therefore, this gear is considered as not effective. Similarly, incase of hook and line all criteria are found negative indicating its inability to provide benefit against its required cost. Hence it is also not effective in the beel.

### MAILATA DIPLINGA BEEL

The major gears of the beel are musarijal, phansijal, langijal, khewalijal, hook and line, and dhenkijal. Except hook and line all the other gears used in the beel are found economically effective. The CTOR (1.41 to 2.86), ROR (35 to 110%), BCR (2.48 to 5.91), IRR (43 to 111%) and NKR (2.65 to 7.27) are found above the feasible range, which indicates that these gears can provide maximum benefit at least cost. Hook and line fishing is the only gear, all the economic parameters of which are found below the feasible range hence it is considered as not effective in this beel for commercial fishing.

### RAUMARI BEEL

Musarijal, phansijal, langijal, khewalijal, hook and line, and dhenkijal are the major gears found in commercial fishing in this beel. Economic study reveals that musarijal, phansijal, langijal, and dhenkijal are the effective gears in the beel. The BCR (2.24 to 23.95) and NKR (2.53 to 28.42) show that these gears can earn maximum benefit at least cost. Likewise, CTOR (1.57 to 6.58), ROR (32 to 447%) and IRR (42 to 440%) are found within the feasible range. The study further reveal that khewalijal, and hook and line fishing are unable to earn the required revenue to become effective and all

economic criteria are found either below the viable range or negative (table-7.1), hence these gears are considered as not effective.

### **GATHIA BEEL**

In this beel *musarijal*, *phansijal*, *langijal*, *khewalijal*, and *dhenkijal* are the main gears found in commercial use. Among these gears *musarijal*, *phansijal*, *langijal*, and *dhenkijal* are found effective as far as the economic analysis is concerned. The economic criteria like, CTOR (1.97 to 3.46), ROR (25 to 103%), NPV (Rs.6001 to Rs.29122.38), BCR (1.35 to 6.44), IRR (22to 111%), and NKR (1.49 to 6.94) exhibits the ability of the gears to earn sufficient revenue against the required costs in installation and operation of the gears. On the other hand, in case of *khewalijal*, except CTOR (1.28) all other economic parameters are found negative, hence the gear is considered as not effective.

Table-7.1 Economic Indicators Showing the Cost Effectiveness of Gears in Different Beels

Control	***************************************	A SECTION AND ADDRESS OF THE PARTY OF THE PA			The state of the s		,	* 1	-	1		1	1	T
Musanjai   38000   3323   12820   134500   134500   241	Making A Annual Control of the Contr			(0)	100 (00)	1000	1000	DAT (De)	STOP	ROR	NPV (Rs)	BCR	IRR (%)	NKR
Missarijal         SPOYOD         STASTA (1992)         134500	eel	Gears		nebre.(KS)	100 (88)	(EV) 21	(Sul VI	LWI (WS.)	5					
Doligia	alidanda	Musarital	36000	5333	129200	134533	393750	259217	0.09	7.2	1591432.5	35.49	93	45.2
Bergial         47000         96000         96100         151875         3671         133         321878.0.6         6 10         133           Bergial         47000         4600         5500         5500         5660         47102         2 46         109         26692.08         6 10           Introguial         4350         460.77         5500         5646         7 7         1050         7 2         1664         17         166         2           How, william         4350         5650         5700         58623.33         105000         48266.57         7 2         1581423         35.40           Musering         46000         56000         5626         7 500         68263.33         105000         48266.55         3 5.40         106         2 5.20         106         7 5.70         4 5.20         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70         106         7 5.70 <th< td=""><td>C. C. C</td><td>Doliral</td><td>54000</td><td>8000</td><td>130500</td><td>138500</td><td>420000</td><td>281500</td><td>7.78</td><td>5 21</td><td>1722807</td><td>25 89</td><td>200</td><td>33.16</td></th<>	C. C	Doliral	54000	8000	130500	138500	420000	281500	7.78	5 21	1722807	25 89	200	33.16
Primaria		Benal	42000	0009	90100	96100	151875	52775	3.61	1.33	321678.05	9.1	129	8.65
Musanjal   4700   468,77   5380   5448 77   10560   4711,25   214   1.09   26832.88   6.24   1.09	* de besteledeletter en entre en	Phansial	4350	480.54	5370	5850 64	10580	4709 46	2.43	1.08	26942.62	6.19	113	7.26
Kinewaljala         4,250         5,53         5,53         7,590         14,400         15,91         0,40         10,81         3,15           Hook and line         3,450         5,60         650,00         656,33         1,050,00         41,7         2,15         1,15	· ·	lanoiral	4300		5380	5848 77	10560	- 4711.23	2.46	1.09	26932.68	6.24	- 113 -	7.26
Hook and line   3450   6900   66900   14400   7410   4.17   2.15   42507   185   2.84		Khewalial	4250		5130	5636	7590	1954	1.79	0 46	10817	3.15	57	3 54
Musarjal   45000   7555.55   90700   96255.55   2817250   182964.6   778   5.71   1722607   25.89   6     Doljaja	Thomas and the second se	Hook and line	3450	L	0069	0669	14400	7410	4.17	2 15	42507	11 85	509	13.32
Muserial         46000         5853.33         50000         56633.33         50000         56633.33         50000         5683.68         50000         56600         56633.33         50000         56750         56800         56600         56633.33         50000         36700         567	- MATERIAL STATE & BALLET											9,		5
Doligal   39000   7655 55   90700   90255 55   2817250   152994 5   778   5.21   1722007   25.89   5   1722007   25.89   5   1722007   25.89   5   1722007   25.89   5   1722007   25.89   25   172200   25.89   2.95   2	akama	Musania	45000			56633.33	105000	48366.67	60 0	7.2	1591433	35.49	83	45.2
Berjal         39000         5000         79900         84900         154000         69100         3.61         1.33         32.16731         6.29           Hondisial         4800         557.9         780         757.351         1.58         0.11         30644.2         6.75         1           Khewalijal         4800         557.9         780         857.13         1.58         0.14         268         1.71         30644.2         6.75         1           Khewalijal         4800         557.9         780.6         857.13         1.58         0.14         264         2.96         1         1         30644.2         6.75         1         4.66         2.96         1         1         30644.2         6.75         1         4.66         2.96         1         4.66         2.96         1         4.66         2.96         1         4.66         2.96         1         4.66         3.66         4.67         4.66         8.66         4.01         5.86         4.01         5.86         4.01         5.86         4.01         5.86         4.01         5.86         4.01         5.86         6.67         3.66         4.01         5.86         6.04         4.86	The second secon	Dollial	49000			98255 55	281250	182994 5	7.78	5.21	1722807	25.89		33.16
Phansisal 4800   560.47   7950   6540.47   15040   6507.53   3.07   1.33   3810.16   7.5   1.46		Benal	39000	L		84900	154000	69100	3.61	1.33	321678.1	6.29		11 57
Characteries		Phansial	4900			8540 47	15048	6507.53	3.07	1.33	38101 16	7.5	en. January in Princes	8.77
Hock and line   3500   6355   6926 19   7700   77381   1.59   0.16   2623   1.46	The street of th	Landia	4800	L		8511.9	13860	5348 1	2.88	1.11	30644.2	6.76	-	7,38
Hook and line   3500   331 66   5276   5666 88   7200   1533.34   2.06   0.44   7886   2.96   2.96     Dolljej   56000   6353.33   100500   108833.33   475000   366166.7   8.19   6.31   2244657   31.67   6.05     Dolljej   4250   4353.32   44700   46533.32   136500   88866 84 401   2.64   543693.2   13.61   2.244657   1.78     Langjal   4200   505 94   7200   45533.32   47600   4571.2   7.56   1.71   6279   6.07     Hook and line   2450   228 67   4450   4573.37   6.050   4.77   7.66   1.71   6.27   6.07     Hook and line   2450   5733.33   41800   45533.32   67500   21866 88   2.41   0.78   1.2503.9   4.7     Hook and line   5460   533 2   62600   69933.32   140625   7566   4.54   0.78   1.2503.9   4.7     Hook and line   5400   6333.32   63600   69933.32   140625   7561   6.05   1.11   60844.41   6.38     Hook and line   5400   5320   6400   6466.66   7700   7233.4   0.05   1.14   180166.3   6.15     Hook and line   7750   7560   4450   6466.66   7700   7233.4   0.05   1.265.07   1.05   1.05     Hook and line   7500   658.32   7940   6466.66   7700   7233.4   0.05   1.05   1.05   1.05     Hook and line   7500   7180.5   7940   8486.7   7400   7233.4   7.05	THE PARTY OF THE P	Khewalia	4850			6926.19	7700	773.81	1.59	0 16	2623	1.46	23	4
Dolijai   58000   8333 32   100500   10883 32   475000   368166.7   8.19   6.31   2244957   3167   284495   3167   3167   3167   3168   3167   3168   3167   3168		Hook and line	3500	L		5666.66	7200	1533.34	2.08	44.0	7896	2.96	Manage Philadelic	3,26
Doliga   56000 8333 33   100500   108833 32   475000   366166.7   8.19   6.31   2244957   31.57   5.5   5.5   4.00   46833 32   4.7500   48633.32   4.7500   4.7400   4.7500   4.7400	The second section of the second section second section second se			L										1
Berjal         3/00d         4633.32         4/10d         46623.32         13650         1360         137631 <td>landini</td> <td>Dollial</td> <td>58000</td> <td></td> <td>-</td> <td>108833.33</td> <td>475000</td> <td>366166.7</td> <td>8.19</td> <td>6.31</td> <td>2244957</td> <td>31.67</td> <td>904</td> <td>38.71</td>	landini	Dollial	58000		-	108833.33	475000	366166.7	8.19	6.31	2244957	31.67	904	38.71
Phansişal   4250   505 94   4250   4755 94   5544   788.06   1.3   0.18   3378.91   1.73     Langijal   4400   548.8   7200   7748.8   12320   45712   2.8   1.03   25738.34   5.28   1.74     Khewalijal   4400   528.6   5220   4678.5   1.32   7.58   1.71   2573.3   6.75   6.75   1.71   2573.3   6.75   6.75   1.71     Hook and line   3450   5220   45523.32   6.750   70691.68   2.41   0.78   1.25003.8   4.7     Hook and line   3450   545.83   7850   4965.83   15621.6   1.41   0.35   1.24     Hook and line   3450   6.45   6.50   10.69.43   6.50   1.24     Hook and line   3500   0.09.43   5500   6.659.43   7560   890.57   1.14   180166.3   6.45     Hook and line   3500   3250   6400   6569.43   7560   30800   3.04   1.14   180166.3   6.45     Hook and line   3500   412.8   4050   51450   6466.86   133.3   4.25   1.44   30050   5.56     Hook and line   3500   4180.54   5080   6260.43   4276.7   2.86   1.14   30050   5.56     Hook and line   3500   4180.54   5080   6260.54   4276   5.93   3.45   1.44   30050   5.56     Hook and line   3500   4180.54   5080   6260.54   6050   6050   2775.7   0.98   0.98   0.09   6.59   0.09     Hook and line   3500   4180.54   5080   6260.54   6050   -2716.7   0.81   0.03   -5876.14   0.49     Hook and line   3500   4180.54   5080   6260.54   6050   -2716.7   0.81   0.03   -5876.14   0.49     Hook and line   3500   4180.54   6050   -2716.7   0.81   0.03   -2878.14   0.49     Hook and line   3500   4180.54   6050   -2716.7   0.81   0.03   -2878.14   0.49     Hook and line   3500   4180.54   6050   -2716.7   0.81   0.03   -2878.14   0.49     Hook and line   3500   4280.22   -2380   -23		Berial	34000	_		46633.32	136500	89866.68	4.01	2.64	543693.2	13.61		16.99
Langjal   4400   5488   77200   7748.8   15320   4517.2   2.8   1.03   25738.34   5.28   1.04   1.05   1.	And the second s	Phansilal	4250	L		4755.94	5544	788.06	6,1	0 18	3379.91	1.73	The second second	1.78
Khewaijal         RD         228 57         4450         4578.57         6050         1372         7.56         1.71         8279         6.07           Hook and line         3450         350         6220         650         2240         -2330         0.94         -0 68         -159342         -3.33           Musarial         2860         5360         6500         65233.32         67600         21986.88         2.41         0.78         125003.8         4.7           Berjal         31000         6333.32         63600         69933.32         140625         70691.68         4.54         3.36         42209.8         8.72           Phansijal         4500         6350         47850         6336         152.86         1.11         608434         1.24           Khewalijal         4500         646.83         7950         6600         6663.43         7660         2762         634         0.06         2763.8         1.24         0.36         1.24         0.36         1.24         0.36         1.24         0.36         1.24         0.36         1.24         0.36         1.24         0.36         1.24         0.36         1.24         0.32         1.24         0.36         1	THE RELATIONS OF THE PERSON OF	Langiial	4400			7748.8	12320	45712	2.8	1,03	25738,34	1		0.00
Hook and line   3450   5520   5570   5570   5570   21966.88   241   0.78   125003.8   4.7     Musarijal	Martinia de la companya de la compan	Khewalial	800	L		4678.57	6050	1372	7.56	1.71	8279			11.85
Muusarijal         2800n         3733.33         41800         45533.32         67500         21986.68         2 41         0.76         125003.8         47           Benjal         31000         6333.32         63600         69933.32         140625         70691.68         2 41         0.76         12283.98         1.24           Phansijal         4500         6333.32         4325         4783.33         6336         1552.67         1.41         0.35         1238.39         1.24           Phansijal         4850         545.83         7950         1018         14520         4351         2.9         0.67         24725         5.09           Khewalijal         5000         619         9650         10169         14520         216.2         1.9         0.67         24725         5.09           Hook and line         3400         619         9650         10180         14520         216.2         1.69         0.67         24725         5.09           Parangijal         3400         550         6700         6669.43         750         7700         1233.34         2.03         0.32         5952.02         2.5           Bar jai         2750         24728         6669		Hook and line	3450			92/0	3240	-2330	0.94	890	-15934.2		97	2.5
Musarijal         2,800n         373.3.3         41800         4553.3.2         67500         2,1966.88         2,41         0,76         1,20003.0         4,20003.0           Berjal         31000         633.3.3         63600         69933.32         140625         70691.68         4.54         3.36         422099.8         8.72           Phansijal         4,850         545.83         7950         8495.83         13860         556.07         1.41         0.35         1238.39         1.24           Khewalijal         4,850         545.83         7950         8495.83         13860         536.7         1.41         60849.41         5.86         1.14         60849.41         6.88         1.14         60849.43         1.25         6.98         1.14         6.88         1.14         6.88         1.14         6.88         1.14         6.88         1.16         6.98         1.10         1.10         1.10         1.14         1.10         1											0 040107		0.2	E VE
Berjal         31000         6333.32         63600         69833.32         140625         70691.68         4.54         3.35         422093.39         1.24           Phansijal         4500         458.33         4325         4783.33         6336         1.552.67         1.41         0.35         1238.39         1.24           I.Langijal         4850         545.83         7950         8495.83         7950         8495.81         1.06         4450         6384.41         6.35         1.28         6.38           Khewalijal         5000         323.8         5220         5543.8         5760         2762         2475.2         1.08         0.06         -265.28         0.93           Parangijal         7500         323.8         5220         5543.8         7560         890.57         1         0.12         894.5         1.08           Musari jal         2700         3250         60400         6669.43         7560         890.57         1         0.12         894.5         1.08           Bar jal         24000         3250         60400         6869.43         1         670         1233.34         2.03         0.32         5952.02         2.55           I.angi al	farinchora	Musarijal	28000			45533.32	67500		241	200	125003.8	1.4		20.0
Phanisial         4500         458.33         4325         4783.33         6336         1552 67         141         0.35         1238.39         1.24           Langjial         4850         545.83         7950         8495.83         13860         5364.17         2.86         1.1         60849.41         6.38           Khewalijal         5000         619         850         1016         14520         4351         2.9         0 67         24725         5.09           Khewalijal         5000         619         520         5543.8         5760         216.2         169         0 06         -265.28         0.93           Hook and line         3400         323.8         5200         6693.43         7560         890.57         1         0.12         994.5         1.08           Musari jal         27000         3250         60400         6689.43         7500         1233.34         2.03         0.32         5952.02         2.5           Phanisial         3800         366         67400         646.66         7700         1233.34         2.03         0.32         5952.02         2.5           Khewali jal         750         214.24         306         424	The state of the s	Benal	31000	9	۵	69933.32	140625		4.54	3.36	422099.8	0.77		10.4
Langjial         4850         545.83         7950         8495.83         13860         5364.17         2.86         1.1         60449.41         b.30           Khewalijal         5000         619         9550         10169         14520         4351         2.9         0 67         24725         5.09           Hook and line         3400         323.8         5220         5543.8         5760         216.2         1 69         0 06         -265.28         0.93           Parangyal         7500         1059.43         5600         6669.43         7560         890.57         1         0.12         994.5         1.08           Musari jal         27000         3650         47800         51450         82250         30800         3.04         1.14         180166.3         6.45           Phansi jal         24000         3250         60400         63650         4266.66         7700         1233.34         2.05         3.05         2.56           I Langi jal         4700         558.32         7940         8498.23         134         3050         5.56           Khewall jal         7500         1180.54         5080         6260.54         6050         -210.57         0		Phansijal	4500	i 	1	4783.33	6336		1.41	0.35	1238.39	7.74	The state of the s	17.1
Khewaiijal         5000         619         9650         10169         14520         4351         2.9         0 87         24725         5.09           Hook and line         3400         323,8         5220         5543.8         5760         216.2         1 69         0 06         -265.28         0.93           Parangyal         7500         1069.43         5600         6669.43         7560         890.57         1         0.12         994.5         1.08           Musari jal         27000         3650         47800         51450         82250         30800         3.04         1.14         180166.3         6.45           Phansi jal         24000         3250         60400         6466.86         7700         1233.34         2.03         13         424           Phansi jal         4700         558.32         7940         8498.32         7740         2775.72         9.39         3.7         16978         12.1           Khewali jal         750         214.28         4264.38         7040         2775.72         9.39         3.7         16978         0.69           Hook and Line         3600         1180.54         5080         6260 54         6050         -210.		Langial	4850			8495.83	13860		2.86		60849.41	1		8.7
Hook and line         3400         323,8         5220         5543.8         5760         276.2         1 69         0 06         -255.28         0.93           Parangyal         7500         1069.43         5600         6699.43         7560         890.57         1         0.12         994.5         1.08           Musari jal         27000         3650         47800         51450         82250         30800         3.04         1.14         180166.3         6.45           Phansi jal         24000         3250         60400         83650         7700         1233.34         2.03         0.32         5952.02         2.5           Phansi jal         4700         558.32         7940         8498.32         13860         5361         114         30050         5.56           Khewali jal         750         214.28         4050         4264.28         7040         2775.72         9.39         3.7         16978         12.1           Hook and Line         3600         400         3876         4050         6260.54         6050         -210.57         0.81         0.03         -5875.14         0.49	WHITE COLUMN TO THE PERSON OF	Khewalijal	5000			10169	14520	- Triffic Constitution	2.9	0.87	24725	1		4 5
Parangjal         7500         1069.43         5600         6669.43         7560         890.57         1         0.12         994.5         1.0b           Musari jal         27000         3650         47800         51450         82250         30800         3.04         1.14         180166.3         6.45           Phansi jal         24000         3250         60400         83650         7700         1233.34         2.03         0.32         5952.02         2.5           Phansi jal         4700         558.32         7940         8498.32         13860         5361         2.95         114         30050         5.56           Khewali jal         750         214.28         4050         4264.28         7040         2775.72         9.39         3.7         16978         12.1           Hook and Line         3600         400         3876         4275         9.39         3.7         16978         -0.69           Parangj jal         7500         1180.54         5080         6260.54         8050         -210.57         0.81         0.03         -5875.14         0.49			3400			5543.B	925		1 69	900	-265.28	1	21.	0.32
Musari Jal         27000         3650         47800         51450         82250         30800         3.04         1.14         180166.3         6.45           Bar Jal         24000         3250         60400         63650         6350         19600         3.47         0.98         108086.9         4.24           Phansi Jal         3800         36.66         6100         6466.66         7700         1233.34         2.03         0.32         5952.02         2.5           Khewali Jal         750         214.28         4050         4264.28         7040         2775.72         9.39         3.7         16978         12.1           Hook and Line         3600         1180.54         5080         6260.54         6050         -210.57         0.81         0.03         -5875.14         0.49		Parangijal	7500			6669.43	7560		-	0.12	984.5			C.
Musari jal         27000         3650         47800         51450         82250         30800         3.04         1.14         1801bb.3         6.43           Bar jal         24000         3250         60400         63650         6350         19600         3.47         0.98         108086.9         4.24           Phansi jal         3800         558.32         7940         6466.66         7700         1233.34         2.03         0.32         5952.02         2.5           Khewal jal         750         214.28         4050         4264.28         7040         2775.72         9.39         3.7         16978         12.1           Hook and Line         3600         400         3875         4275         3400         -875         0.94         -7.163.88         -0.69           Parangi jal         7500         1180.54         5080         6260.54         6050         -210.57         0.81         0.03         -5875.14         0.49									1		0000		000	3 %
Bar jal         24000         3250         60400         63850         83250         19600         347         0.98         108086.9         4.24           Phansi jal         3800         558.32         7940         6466.66         7700         1233.34         2.03         0.32         5952.02         2.5           Khewalı jal         4700         558.32         7940         8498.32         13860         5361         2.95         114         30050         5.56           Khewalı jal         750         214.28         4050         4264.28         7040         2775.72         9.39         37         16978         12.1           Hook and Line         3600         400         3876         4275         3400         -875         0.94         -7.163.88         -0.69           Parangi jal         7500         1180.54         5080         6260.54         6050         -210.57         0.81         0.03         -5875.14         0.49	Barundanga	Musari Jaí	27000	č		51450	82250		3.04	1.14	180166.3			0.7
ijal 3800 366.66 6100 6466.66 7700 1233.34 2.03 0.32 5952.02 2.5 all all 4700 558.32 7940 8498.32 13860 5361 2.95 114 30050 5.56 all all all 750 214.28 4050 4264.28 7040 2775.72 9.39 3.7 16978 12.1 and Line 3600 400 3875 4275 3400 875 0.94 0.24 7.7163.88 0.69 all all all 7500 1180.54 5080 6260.54 6050 -210.57 0.81 0.03 5875.14 0.49	The second secon	Barial	24000	8	9	63650	83250		3,47	0.98	108086.9			0.0
4700         558.32         7940         8498.32         13860         5361         2.95         114         30050         5.56           10         750         214.28         4050         4264.28         7040         2775.72         9.39         3.7         16978         12.1           Line         3800         400         3875         4275         3400         -875         0.94         -7.163.88         -0.69           7500         1180.54         5080         6260.54         8050         -210.57         0.81         0.03         -5875.14         0.49		Phansi jal	3800	366		6466.66	7700	12	2.03	0 32	5952,02			17.1
750         214.28         4050         4264.28         7040         2775.72         9.39         3.7         16978         12.1           Line         3800         400         3876         4275         3400         -875         0.94         -7.163 88         -0.69           7500         1180.54         5080         6260 54         6050         -210.57         0.81         0.03         -5876.14         0.49		Langi jal	4700	558		8498.32	13860		2.95	114	30050			R\$'./
Line         3800         400         3875         4275         3400         -875         0.94         -0.24         -7163 88         -0.69           7500         1180.54         5080         6260 54         6050         -210.57         0.81         0.03         -5875.14         0.49		Khewah ial	75(	214		4264.28	7040	277	9.39	3.7	16978			23.64
7500         1180.54         5080         6260 54         6050         -210.57         0 81         0.03         -5876.14		Hook and Line	360(			4275	3400		0.94	-0.24	-716388		7	66.0-
		Parandi ial	7500	1180		6260	6050		0.81	0.03	-5876.14		9	0.22
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Museri jail   44000   6900   40800   45800   51250   1156   11.16   0.1   11791.5     Bara jail   3900   256.77   2520   7478.57   56200   26220   1250   1244   0.0.7   71230     Bara jail   3900   256.77   2520   7478.57   56200   26220   1250   1244   0.0.8   7231.0343     Houseni jail   4400   451.68   6420   6702.77   1650   4057.22   2.42   0.5   2310343     Houseni jail   4400   421.68   6420   6701.68   2220   4622   672   1.34   30370.3     Bara jail   4400   421.68   6420   6201.68   2220   4622   672   1.34   30370.3     Bara jail   5500   262.77   2620   6701.68   2620   1634   0.0   0.0   2633.3     Hock and Line   3500   262.33   4910   6501.47   7392   7551.53   1.51   628   2773.5     Hock and Line   3400   550.33   6300   6563.33   6100.64   7500   6503.71   2.17   0.76   2663.3     Hock and Line   3400   550.33   6500   650.47   7020.83   1704   4850.67   2.17   0.76   2068.5     Hock and Line   3400   550.33   6500   650.47   5600   650.47   7020.83   700.83	Cears	C (KS)	Depre.(RS)	10C (Rs)	T C (Rs)	TR(Rs)	PAT (Rs.)	CTOR	ROR	NPV (Rs)	BCR	IRR (%)	NKR
39000         2600         55000         55000         5600         5600         5600         5600         17250         17250         1741           4450         228.77         525         7478 57         8604         2027.23         242         1.05         2393.64           4450         602.77         8250         6911.66         11550         4628         2.62         1.05         2393.63           3500         1241.68         682.0         7721.86         582.0         160.34         161.88         2.53         10.02         2393.63           3500         1241.68         682.0         7721.86         582.0         160.34         161.88         2.63         167.87         167.87         2833.2         167.98         167.83         30.02         282.00         177.02         167.83         177.34         167.85         177.34         167.85         177.34         167.85         177.34         167.85         177.35         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85         167.85 <td< td=""><td>Musari jai</td><td>44000</td><td>0009</td><td>40600</td><td>46600</td><td>51250</td><td>4650</td><td>1 4</td><td>1</td><td>14704 E</td><td>101</td><td>- 62</td><td>4 75</td></td<>	Musari jai	44000	0009	40600	46600	51250	4650	1 4	1	14704 E	101	- 62	4 75
800         228 57         7250         7478 57         6504         2025.43         11.88         2.53         12320           44400         4871.66         6425.77         10780         4072.3         24         1.05         28933.6           38200         382.85         6820         6752.77         1.03         28933.6           38200         382.85         6820         7212.86         2520         4629.56         0.72         -1.34         -30370.3           3800         382.85         6820         175.2         2.00         0.02         2883.2           5500         1241.66         570.16         6823.3         17704         4850.67         2.44         1.17         1674.67           4900         580.47         5550         6440.47         7322         1.51         0.26         2863.3           4900         580.47         5550         6440.47         7322         1.02         2863.3           4900         580.47         5680         693.3         17704         4850.67         1.1         0.26         2863.28           4900         575.8         6620         683.5         160.67         1.1         1.02         2863.24         1	Bar jal	39000	2000	20000	55000	56250	1250	ľ	0 03	-79115	0 83	27	07.0
4450         562 77         672 77         10780         4027,23         2.42         0.9         23109.43           4450         4450         652 77         10780         4027,23         2.42         0.9         23109.43           3500         382.86         6820         7911.66         1650         4682         1.34         -30370.3           7300         1241.66         4460         5701.66         5852         160.34         0.0         0.02         -2633.24           5500         6750         7950         88250         138750         56050         2.5         0.01         1734         -30370.3           34000         4873         24         1.1         16740         56050         2.5         0.01         2633.4           34000         553.33         6500         6853.33         11704         4860.67         2.2         0.01         1.0544         1.0544         1.0760         7781         2.666         6913.33         8820         1.1704         4860.67         1.17         1.0544         1.788           34000         552.8         6500         6913.33         8820         1.7606.67         1.1         0.24         77835           3400	Khewalı jal	800	228.57	7250	7478 57	9504	2025.43	ľ	2.53	12320	8 55	215	18.4
4400         491 66         6420         6911 66         7156         25220         4632 85         1.05         25933.6           3200         1241.68         4860         7711.65         2520         4632 85         0.77         -1.34         -30370.3           3300         1241.68         4460         5701.66         2620         4620         0.77         -1.34         -30370.3           34000         4873.32         49100         54033.32         88250         1347.60         252         0.91         7646           4900         590.47         5550         6140.47         7392         1251.53         1.51         0.26         5566           4950         570.83         6450         7020.83         10780         7785.7         1.51         0.26         5566           4950         570.83         6450         7020.83         10780         7785.7         1.51         0.22         0.56         27735.5           4850         560         613.33         3820         1906.67         1.1         0.2         2560         2575.5           4850         570         782.8         1560         824.60         1.4         1.7         1.4         1.4	Phansi jal	4450	502 77	6250	6752.77	10780	4027.23		6.0	23109.43	5 68	300	6 10
3500         392.85         6820         77212 65         2520         4692 65         0.72         -1.34         -30370.3           7300         1241.66         4460         5701.66         882.50         160.34         0.8         0.02         -7833.24           55000         493.2         7820         137.50         2.2         0.91         28372.5           34000         493.3         491.00         640.3         2.2         0.91         28572.5           3400         563.33         6300         6853.33         1.774         4.650.67         2.29         0.95         27783.5           3450         563.33         6300         6853.33         1.774         4.650.67         2.29         0.95         27783.5           3450         563.3         6300         6853.33         1.076         3.65         0.95         27783.5           3450         5680         6913.33         8820         1.066.67         1.1         0.76         2.783.5           3900         5750         7820         81980         1.56         0.95         2.7783.5           4850         5440         51288         1.35600         1824.5         1.1         0.24 <td< td=""><td>Langi jal</td><td>4400</td><td>491.66</td><td>6420</td><td>6911.66</td><td>11550</td><td>4638</td><td></td><td>1.05</td><td>25933 6</td><td>5.45</td><td>105</td><td>8 80</td></td<>	Langi jal	4400	491.66	6420	6911.66	11550	4638		1.05	25933 6	5.45	105	8 80
7300         1241.66         446         5701.66         5652         150.34         0.8         0.02         2633.24           55000         8750         79500         88250         138750         50500         2 52         0 91         285772.5           34000         4933.32         49100         54033.32         81125         29031.68         2 44         1.17         167466           5100         553.33         49100         54033.32         81125         29031.68         2 44         1.17         167466           5100         553.33         6500         6140.47         7784         4850.67         2.29         0 91         28656           4950         550.33         6500         6140.47         7704         4860.67         2.29         0 91         2666           4950         550.33         1704         4860.67         7.11         0.76         2085.75         3677.83           3900         150.20         6180.47         720         8820         1745.60         47786         4850.67         1745.60         47786           3900         488.88         780         619.67         1744.65         6.58         4047         1061466	Hook and Line	3500	392.85	6820	7212.85	2520	4692 85	0.72	138	-303703	-7.00	121	7.67
55000         8750         88250         138750         50500         2 S         091         285725           34000         4933 32         49100         54033 32         83126         250500         2 52         091         285725           34000         590 47         5550         6140 47         7392         1251.53         1.51         0.26         5666           4900         590 47         5550         6140 47         7392         1251.53         1.51         0.26         5666           4900         583.33         630         6883.33         11704         4860.67         2.29         0.96         27783           3450         362.5         600         7782.51         1.62         0.26         27783           3900         1333.33         5880         6913.33         8820         174550         6.58         4047         1061466           37000         488.88         4640         51288.8         13500         174550         6.58         4047         1061466           3700         488.88         4640         51288.8         13500         152417         3.6         2.29         497218           4550         544.8         7170	Parangı jal	7300	1241.66	4460	5701.66	5852	150 34	0.8	0.02	-2633.24	140		0.64
55000         8750         78500         88250         138750         50500         2 52         0 91         28572.5           34000         49333         49100         54033         83125         2909188         2 44         1,17         167466           4900         560.47         5550         610.05         2290188         2 44         1,17         167466           5100         553.33         6300         6853.33         11704         4850.67         2.29         0.95         27783 5           4950         550.33         6300         6853.33         11704         4850.67         2.29         0.95         27783 5           3450         362.5         6020         6322.5         560         -782.7         10.05         233         4561.0         78201         860.0         174550         6.88         4047         1061466         27785         860.0         174550         6.88         4047         1061466         27785         4976218         360.0         114550         11450019         11450019         11450019         11450019         11450019         11450019         11450019         11450019         11450019         11450019         11450019         11450019         11450019		i					,					-	
34000         4933 32         49100         54933 32         83126         20091 6B         2 44         1,17         167496           4300         560.47         565.0         6610.47         7382         1251.53         1,51         0.26         5656           5100         563.33         6300         6610.47         7382         1,51         0.76         20685 27           4950         550.33         6300         6853.35         1,10         0.76         20865 27           8000         570.8         6620         683.25         560         -782.6         16780         2782         6813.33         680         -782.6         16780         7782         6717.53         4670         7666         4671.7         2.74         7786         4670         7672.1         7820         14850         782.6         658         4047         7666         4676         7672.1         7820         16780         7786         4671.1         7786         4671.1         7786         4671.1         7786         4671.1         7786         4671.1         7786         4671.1         7786         4671.1         7786         4671.1         7786         4671.1         7786         4671.2         7786	Musari jal	25000	8750	79500	88250	138750	50500	2 52	0.91	285772.5	4.5	94	6.19
4900         590.47         5550         6140.47         7392         1251.53         1.51         0.26         5566           5100         553.33         6450         7853.31         17704         4860.67         2.29         0.56         27783.5         151         0.76         20685.27         2783.5         5671.53         27783.5         1.61         0.76         20685.7         2783.6         27783.5         27783.5         1.62         0.23         -6517.53         8820         -782.5         1.62         0.23         -6517.53         8817.53         8820         -782.5         1.62         0.23         -6517.53         8617.53         8820         174550         6.58         4947         1061.466         37000         4888.88         46400         51288.88         13500         8371.12         3.65         2.26         497921.8         497921.8         4950         1654.17         2.04         0.32         4517.53         497921.8         4950         1654.17         2.04         0.32         4517.53         497921.8         497921.8         497921.8         497921.8         497921.8         497921.8         497921.8         497921.8         497921.8         497921.8         497921.8         497921.8         497921.8         <	Bar jal	34000	4933 32	49100	54033 32	83125	29091 68		1.17	167496	4.88	93	5.93
5100         553.33         6300         6853.33         11704         455.05 7         2.29         0.96         27793.5           4950         570.83         660         7020.83         10780         3759.17         2.17         0.78         2085.27           3460         382.5         6020         6382.5         560         6913.33         8820         -785.17         0.78         -6517.53           38000         4860         5750         76200         81980         174550         6.58         4047         1061466           38000         5750         76201         81980         1750         6.58         4047         1061466           38000         5750         76201         81980         1750         6.58         4047         1061466           38000         575         780         8345.83         990         1560         1560         4047         1061466           38000         575         780         8345.83         990         1560         6.58         4047         1061466           4850         546         60947         77744         1320         1829.53         1.51         0.32         77265           4850         5	Khewalı jai	4900	590.47	5550	6140.47	7392	1251.53		0.26	5566	1.95	35	2 14
4950         570 83         6450         7020.83         10780         3759.17         2.17         0.76         2086.27           3450         362.5         6620         6382.5         5600         -782.5         1.62         0.23         -6517.53           8000         1333.33         6580         6382.5         5600         174550         6.58         4047         1061466           37000         4888.88         46400         51288.88         13500         1371.12         3.65         2.26         497921.8           5250         690.47         5400         6090.47         7820         1554.17         2.04         0.22         497921.8           850         5250         690.47         710         7714.44         13200         5485.65         2.67         1.11         31386.27           850         524.44         7170         7714.44         13200         5485.65         2.67         1.11         31386.27           800         1222.21         6450         7672.21         3150         2887.70         3847.65         2.67         1.11         31386.27           800         1222.21         6450         7672.1         3150         2887.70         387.70	Phansı jal	5100	553.33	6300	6853.33	11704	4850.67		0.95	27793 5	591	103	R AF
3450         362.5         6020         6382.5         5600         -782.5         1.62         -0.23         -6517.53           8000         1333.33         5580         6913.33         8820         1906.67         1.1         0.24         7898           39000         5750         78200         81950         256500         174550         6.58         4047         1061466           37000         4888.88         46400         51288.88         135000         83711.12         3.65         2.26         497921.8           4850         545.83         7800         8345.83         9900         154.17         2.04         0.32         7265           4850         544.44         770         774.44         13200         5485.63         1.11         3155         3781.63         3781.63         3781.63         3781.63         3781.63         3781.63         3781.63         3781.63         37847.05         3845.00         37847.05         3847.05         37847.05         37847.05         37847.05         37847.05         37847.05         3848.03         3781.63         37847.05         37847.05         37847.05         3848.03         37847.05         3848.03         37847.05         3848.03         37847.05	Langi jal	4950	570 83	6450	7020.83	10780	3759.17		0.76	20865 27	4.51	82	5.21
8000         1333.33         5560         6913.33         8820         1906.67         1.1         0.24         7898           39000         5750         81950         256500         174550         6.58         4047         1061466           37000         4886 88         46400         51288 88         135000         83711.12         3.65         2.26         497921.8           4850         545 83         7800         8345.83         9900         1554.17         2.04         0.35         497921.8           5250         690 47         5400         6090.47         7920         1829.63         1.51         0.35         9715.55           4950         544.44         7170         7714.44         13200         5485.6         2.67         1.11         31388.27           8000         1222.21         6450         7672.21         3150         2884.16         1.18         -1         -2433.59           8000         1222.21         6450         7672.21         3150         23821.6         394         2.97         142901.9           1950         2150         1930         21450         28125         667.6         1.41         0.06         -41386	Hook and Line	3450	362.5	6020	6382.5	5600	-782.5		-0.23	-6517 53	-0 GB	-12	28 9
39000         5/760         76200         81950         256500         174550         6.58         4047         1061466           37000         4888.88         46400         51288.88         135000         83711.12         3.65         2.26         497921.8           4850         545.83         7800         8345.83         1500         1654.17         2.04         0.32         77265           5250         690.47         5400         6090.47         7714.44         13200         548.5 56         2.67         1.11         31388.27           3650         379.16         7625         8004.16         4320         588.4 16         1.18         -1         -2433.5           8000         1222.21         6450         7672.21         31500         28827.79         3.94         2.97         142901.9           19500         2150         19300         21450         28125         6676         0.77         0.34         32847.05           4850         630.33         4250         44250         28125         6676         0.74         0.04         0.06         -41366           4850         2150         4820         28125         226         0.24         0.06	Parangi jal	8000	1333.33	5580	6913.33	8820	1906.67		0.24	7898	1.65	35	9 6
39000         5750         78200         81950         256500         174550         6.58         4047         1061466           37000         4888.88         46400         51288.88         135000         8371112         3.65         2.26         497921.8           4850         545.83         7800         6345.83         9900         1654.17         2.04         0.32         7265           5250         690 47         540         60904.16         7920         1829.53         1.51         0.35         9715.55           4950         544.44         7170         7714.44         13200         5485.66         2.67         1.11         3138.27           3650         379.16         7625         8004.16         4320         -3684.16         1.18         -1         -2433.5           8000         1222.21         6450         7672.21         3150         2387.79         394         2.97         142901.9           19500         21450         28125         6875         0.47         0.34         142901.9           4850         4850         215         4783.33         11088         32112         0.84         2.97         1.42901.9           5200								-				8	
37000         4888 8         46400         51288 88         135000         83711.12         3.65         2.26         497921.8           4850         545 83         7800         8345.83         9900         1654.17         2.04         0.32         7265           250         69047         770         77144         1700         77144         1700         5485 66         2.67         1.11         31388.27           4950         544.44         7170         771444         1320         5485 56         2.67         1.11         31388.27           3850         379.16         7625         8004.16         4320         23827.79         3.94         2.97         142901.9           19500         2150         19300         21450         28125         6875         0.47         0.34         32847.05           4700         488 88         3150         3638.88         3960         32712         0.47         0.34         143691.9           4800         533.33         7920         84250         47867         1.26         0.25         143793.1           3650         3751         676.18         3680         1.653         1.84         0.78         7963.37	Musari jal	39000	5750	76200	81950	256500	174550	6.58	4047	1061466	20.44	410	28.22
4550         545 83         7800         8345.83         9900         1554.17         2.04         0.32         7265           5250         690 47         540         6090.47         7920         1829.53         1.51         0.35         9715.55           4950         544.44         7710         7714.44         13200         5485.56         2.67         1.11         31388.27           3650         379.16         7625         7672.21         31500         23827.79         394         2.97         142901.9           19500         2150         19300         21450         28125         6676         0.47         0.34         32847.05           4700         488 88         3150         3638.88         3960         32112         0.84         0.06         -413.68           4700         488 88         3150         3638.88         3960         32112         0.84         0.06         -413.68           4860         503.33         7920         4783.33         11088         2.29         0.55         14379.31           5200         676.18         7350         8026.16         4560         -1039.16         1.26         -7863.37           5200 <td< td=""><td>Barjal</td><td>37000</td><td>4888.88</td><td>46400</td><td>51288.88</td><td>135000</td><td>83711.12</td><td>3.65</td><td>2.26</td><td>497921.8</td><td>10.86</td><td>215</td><td>14.46</td></td<>	Barjal	37000	4888.88	46400	51288.88	135000	83711.12	3.65	2.26	497921.8	10.86	215	14.46
5250         690 47         5400         6090.47         7920         1829.53         1.51         0.35         9715.55           4950         544.44         7170         7714.44         13200         5485 56         2.67         1.11         31388.27           4950         544.44         7170         7714.44         13200         -3684 16         1.18         -1         -2433.59           8000         1222.21         6450         7672.21         31500         23827.79         3.94         2.97         142901.9           19500         2150         19300         21450         28125         6675         0.47         0.34         32847.05           4700         488 88         3150         3638.86         3960         32112         0.84         0.06         -413.68           4850         503.33         7920         8423.33         11088         2664.67         2.29         0.55         14379.31           4850         573.34         4250         4783.33         1089         1653.82         1.86         0.55         14379.31           5200         6750         4875         70700         77575         802618         9630         -1.65         2.19	Khewalı jal	4850	545 83	7800	8345.83	0066	1554.17	2.04	0 32	7265	2.26	41	2.45
4950         544.44         7170         7714.44         13200         5485 56         2.67         1.11         31388.27           3850         379.16         7625         8004.16         4320         -3684 16         1.18         -1         -24335 9           8000         1222.21         6450         7672 21         31500         23827.79         3 94         2.97         142901.9           19500         2150         19300         21450         28125         6675         0.47         0.34         32847.05           4700         486 88         3150         3638.88         3960         0.47         0.34         32847.05           4850         503.33         7820         4423.33         11088         2.664.67         1.41         0.44         10887.1           3650         379.16         5220         4560         -1039.16         1.25         -0.28         -7804.37           5200         676.18         750         8026.18         9680         1653.82         1.86         0.32         7975           5400         575         775         80326.18         9680         1653.82         1.86         0.26         -78014           4400 <t< td=""><td>Phansi jal</td><td>5250</td><td>690 47</td><td>5400</td><td>6090.47</td><td>7920</td><td>1829.53</td><td>1.51</td><td>0.35</td><td>9715.55</td><td>2.65</td><td>47</td><td>286</td></t<>	Phansi jal	5250	690 47	5400	6090.47	7920	1829.53	1.51	0.35	9715.55	2.65	47	286
3650         379.16         7625         8004.16         4320         -3684 16         1 18         -1         -24335 9           8000         1222.21         6450         7672 21         31500         23827.79         3 94         2.97         142901.9           19500         2150         19300         21450         28125         6675         0.47         0.34         32847.05           4700         488 88         3150         3638.88         3960         32112         0.84         0.06         413 68           4850         503.33         7920         8423.33         11088         2664.67         2.29         0.55         14379.31           4850         563.33         7920         8423.33         11088         2664.67         2.29         0.55         14379.31           5200         676.18         7350         8026.18         4560         -1039.16         1.25         0.28         -7963.37           5200         676.18         7350         8026.18         9680         1653.82         1.86         0.32         7767.14           5400         575         7750         8033.33         13090         5056.7         2.67         1.03         26912.3	Langi jal	4950	544.44	7170	7714.44	13200	5485 56	2.67	1.1	31388.27	6.28	114	7.34
8000         1222.21         6450         7672.21         31500         23827.79         3 94         2.97         142901.9           19500         2150         19300         21450         28125         6675         0.47         0.34         32847.05           4700         488 88         3150         3638.88         3960         321.12         0.84         0.06         -413 68           4850         503.33         7920         8425.33         11088         2664.67         2.29         0.55         14379.31           3650         533.33         4250         4783.33         6930         2146.67         1.41         0.44         10887.1           3650         676.18         7350         8026.18         9680         1653.82         1.86         0.32         7963.37           5200         676.18         7350         8026.18         9680         1653.82         1.86         0.32         7963.37           5200         487         750         8033.33         13090         5056.67         1.03         2617.23           4800         441.66         11450         1893.5         6720         1.65         1.67         1.03         26802.88	Hook and Line	3650	379.16	7625	8004.16	4320	-3684 16	1.18	1	-24335 9	-527	68-	-5.67
19500         2150         19300         21450         28125         6675         0.47         0.34         32847.05           4700         488 88         3150         3638.88         3960         32112         0.84         0.06         413 68           4850         503.33         7920         8423.33         11088         2664 67         2.29         0.55         14379 31           3650         533.33         4250         4783 33         6930         2146 67         141         0.44         10887.1           3650         575.18         7350         8026 18         9680         1653 82         1.86         0.32         7963.37           5200         676.18         7750         8026 18         9680         1653 82         1.86         0.32         7963.37           5400         575         7750         8025 18         6930         -1395         1.28         -0.26         -780.14           4800         513.33         7520         8033.33         13090         5056.67         1.03         29122.36           4800         441.66         11450         1891.65         6720         -567         1.03         26802.88           5800         4	Parangi jal	8000	1222.21	6450	7672 21	31500	23827.79	3 94	2.97	142901.9	12.75	268	18.86
19500         2150         19300         21450         28125         6675         0.47         0.34           4700         488 88         3150         3638.88         3960         32112         0.84         0.06           4850         503.33         7920         8423.33         11088         2664.67         2.29         0.65           4900         533.33         4250         4783.33         6930         2146.67         141         0.44           3650         379.16         5220         5599.16         4560         -1039.16         1.25         -0.28           5200         676.18         7350         8026.18         9680         1653.82         1.86         0.32           5400         575         7750         8325         6930         -1395         1.26         0.77           5400         575         7750         8033.33         13090         5056.67         2.67         1.03           4800         441.66         11450         11891.66         6720         -500         1.87         -0.14           5800         847.61         7800         8647.61         8862.5         234.89         1.53         0.04												-	
4/00         488 88         3150         3638 88         3960         321 12         0.84         0.06           4850         503.33         7920         8423.33         11088         2664.67         2.29         0.65           4900         533.33         4250         4783.33         6930         2146 67         141         0.44           3650         379.16         5220         5599.16         4560         -1039.16         1.25         -0.28           5200         676.18         7350         8026.18         9680         1653 82         1.86         0.32           5400         575         7750         8325         6930         -1395         1.28         -0.26           4800         513.33         7520         8033.33         13090         5056.67         2.67         1.03           4800         441.66         11450         11891.66         1672         4740.34         3.46         0.04           5800         847.61         7800         8647.61         8862.5         234.89         1.53         0.04	Musan Jai	18500	2150	19300	21450	28125	6675		0.34	32847.05	2.56	4	2.68
4850         503.33         7920         8423.33         11088         2664.67         2.29         0.55           4900         533.33         4250         4783.33         6930         2146 67         1.41         0.44           3850         3750         676.18         7350         8026 18         9680         1653 82         1.86         0.32           4800         4875         70700         75575         82250         6675         2.19         0.17           5400         575         7750         8033.33         13090         5056.67         2.67         1.03           4800         441.66         11450         11891.66         16632         4740.34         3.46         0.98           3800         400         6820         6720         -500         1.87         -0.14           5800         847.61         7800         8647.61         8862.5         234.89         1.53         0.04	Knewall jai	4/00	488 88	3150	3638.88	3960	321 12	0.84	90.0	413 68	0.92	10	0.91
4900         533.33         4250         4783 33         6930         2146 67         1.41         0.44           3650         379.16         5220         5599.16         4560         -1039.16         1.25         -0.28           5200         676.18         7350         8026.18         9680         1653 82         1.86         0.32           37500         4875         70700         75575         82250         6675         2.19         0.17           5400         575         7750         8033.33         13090         -1395         1.28         -0.26           4800         441.66         11450         11891.66         16632         4740.34         3.46         0.98           3600         400         6820         7220         6720         -500         1.87         -0.14           5800         847.61         7800         8647.61         8882.5         234.89         1.53         0.04	Phansi jai	4850	503.33	7920	8423.33	11088	2664.67	2.29	0.55	14379 31	3.75	49	3.95
3650         379,16         5220         5599,16         4560         -1039,16         1,25         -0.28           5200         676,18         7350         8026,18         9680         1653 82         1,86         0,32           37500         4875         70700         75575         82250         6675         2,19         0,17           5400         575         7750         8033,33         13090         5056,67         2,67         1,03           4800         441,66         11450         11891,66         16632         4740,34         3,46         0,98           5800         400         6820         7220         6720         -500         1,87         -0.14           5800         847,61         7800         8647,61         8882,5         234,89         1,53         0.04	Langi jai	4900	533.33	4250	4783 33	6930	2146 67	1.41	0.44	10887.1	2.72	52	3.2,
5200         676.18         7350         8026.18         9680         1653.82         1.86         0.32           37500         4875         70700         75575         82250         6675         2.19         0.17           5400         575         7750         8033.33         13090         5056.67         2.67         1.03           4800         441.66         11450         11891.66         16632         4740.34         3.46         0.98           5800         847.61         7800         8647.61         8862.5         234.89         1.53         0.04	Hooks and Line	3650	379.16	5220	5599.16	4560	-1039.16		-0.28	-7963:37	-1.05	-18	-1.1
37500         4875         70700         75575         82250         6675         2.19         0.17           5400         575         7750         8325         6930         -1395         1.28         -0.26           4900         513.33         7520         8033.33         13090         5056.67         2.67         1.03           4800         441.66         11450         11891.66         16632         4740.34         3.46         0.98           3800         400         6820         7220         6720         -500         1.87         -0.14           5800         847.61         7800         8647.61         8882.5         234.89         1.53         0.04	Ghat jai	92300	676.18	7350	8026 18	9680	1653 82		0.32	7975	2.24	42	2.53
5/500         4875         70700         75575         82250         6675         2.19         0.17           5400         575         7750         8325         6930         -1395         1.28         -0.26           4900         513.33         7520         8033.33         13090         5056.67         2.67         1.03           4800         441.66         11450         11891.66         16632         4740.34         3.46         0.98           5800         400         6820         7220         6720         -500         1.87         -0.14           5800         847.61         7800         8647.61         8882.5         234.89         1.53         0.04	101.00.00	0210	1								-		
5400         575         7750         8325         6930         -1395         1.28         -0.26           4900         513.33         7520         8033.33         13090         5056.67         2.67         1.03           4800         441.66         11450         11891.66         16632         4740.34         3.46         0.98           3800         400         6820         7220         6720         -500         1.87         -0.14           5800         847.61         7800         8647.61         8882.5         234.89         1.53         0.04	Musan Jai	000/5	48/5	00/0/	75575	82250	6675		0.17	26395.5	1.58	26	1.1
4900         513.33         7520         8033.33         13090         5056.67         2.67         1.03           4800         441.66         11450         11891.66         16632         4740.34         3.46         0.98           3800         400         6820         7220         6720         -500         1.87         -0.14           5800         847.61         7800         8647.61         8882.5         234.89         1.53         0.04	Knewali jai	2400	575	7750	8325	6930	-1395	1.28	-0.26	-780.14	0.87	ō	0.8
4800     441.66     11450     11891.66     16632     470.34     3 46     0.98       3600     400     6820     7220     6720     -500     1.87     -0.14       5800     847.61     7800     8647.61     8882.5     234.89     1.53     0.04	Phansi jal	4900	513.33	7520	8033.33	13090	5056.67	2.67	1.03	29122 36	6.43	111	6.94
3600         400         6820         7220         6720         -500         1.87         -0.14           5800         847.61         7800         8647.61         8882.5         234.89         1.53         0.04	Langi jal	4800	441.66	11450	11891.66	16632	4740.34		0.98	26802.88	6.08	104	6.5
5800 847.61 7800 8647.61 8882.5 234.89 1.53 0.04	Hook and Line	3600	400	. 6820	7220	6720	-500		-0.14	4842.64	-0.15	-271	4
	Ghat jal	5800	847.61	7800	8647 61	8882.5	234.89		0.04	-973.34	0.87	8	0.83
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Charmachyae   Chromostip   Ch	Deel	Gears	C1(KS)	C I (Rs) Depre.(Rs)	TOC (Rs)	T C (Rs)	TR (Rs)	PAT (Rs)	CTOR	ROR	NPV (Rs)	BCR	IRR(%)	NKR
Cheering   4700   468.88   10220   10738   61570   16750   1	B. Kamakhya	Musan	24000	3111.09	71900	75011.09	112875	37863 91	4.7	1 57	221320.1	7 85	150	40.5
Phanes   part   44550   52.23   65.56   6873.3   675.0   677.0   677.7   67.7		Khewali jal	4700	488.88	10250	10738.88	14520	3781.12	3.08	80	21004	4 87	24	5.4
House and Line   4555   455, 15500   25956   19   23750   3364, 17   6.1   6.7   6.1   6		Phansi jal	4950		6350	6873.33	8750	1876.67	1.77	0.38	3234 73	1 50	25	18.
Hooke and Line   \$8550   379.16   \$5220   \$599.16   \$6000   400.84   154   0.15   5970   1177   156   156   156   152		Langı jal	4650		19900	20395.83	23760	3364.17	5.1	0.72	18217.05	42	77	4
Chief jair   Chi	,	Hooks and Line	3650		5220	5599.16	0009	400.84	1.64	0	710	117	18	2 4
Mussarjal         41000         6456         73000         78450         187500         6457         73000         6456         73000         67450         772777         187500         67772         187500         67772         17777         17777         178200         97772         17777         178200         97772         17777         178200         97772         17777         178200         1782777         178200         97772         178200         1782777         178200         1782777         178200		Ghat jal	5200		8250	8966	10260	1294	1.97	0.25	5995	192	34	246
Muserial         41000         7027.77         72000         77450         16700         9777223         4.39         2.85         67035         1.3         257           Asraelal         4300         7007.77         75200         62207.77         18000         9777223         4.36         2.38         560687.6         6.54         211         17         24         214         0.18         4655         1.67         28         21         0.18         17382         2.24         0.18         17382         2.24         0.18         17382         2.24         0.18         174         1		•												
Dienki   41000   702777   73000   87277   73000   97772   7300   97772   7300   72770   7300   72771   73000   73720	Siligurijan	Musari jal	41000	6450	73000	79450	187500	108050	4.57	2.63	6703.9	13	257	14.
Harms  at   6000   777.77   10880   1175.77   1175.77   1175.7		Doli jai	41000	7027.77	75200	82227.77	180000	97772.23	4.39	2.38	580687.6	9.54	211	15.16
Hones   al		Asra jal	4300	1000	5220	6220	8855	2635	1.26	0.37	12382	222	AB	0.75
Horbon jal   44000   556.8.3   77560   7908.33   10560   2265.167   2.16   0.54   13546   3.14   599   140400   557.00   511.11   22120   22631.11   31920   6288.39   6.65   1.73   482463   3.14   599   141400   548.0		Phansi jal	9009	777.777	10980	11757 77	12870	1112.23	2.14	0 18	4685 9	187	280	4 75
Horhon Jal   4800   511.11   23120   23831.11   31920   6286.0   1.73   438463   9 67   174   1   1   1   1   1   1   1   1   1		Langı jal	4900	558.33	7350	7908.33	10560	2651.67	2.16	0.54	13548 8	3 14	202	3.74
Muserial   39000   5750   78200   81950   144900   62260   3.7   1 61   384663 9   7.778   156     Barjal		Horhon jal	4800	511.11	23120	23631.11	31920	8288.89	6.65	1.73	48840	9.67	174	414
Museri   a 39000   5750   76200   61950   144900   65356   3.7   161   3846329   7.76   156   156   14490									-					
Asia   34000   4933.3   49110   5402.3   86120   31086.67   2.6   0.73   17994.6   5.17   9.9	eepar Beel	Musan jal	39000		76200	81950	144900	62950	3.7	161	384693 9	7.78	156	10.
Armystal   4860   545.83   7800   8345.83   11880   35534.17   2.4   0.73   19521   4.4   79     Langilal   4950   570.83   6450   7020.83   9000   173.61   1.8   0.39   9847.07   2.65   110     Langilal   4950   570.83   6450   7020.83   9000   173.01   1.8   0.39   9847.07   2.65   70     Langilal   5800   847.61   7800   8647.61   7320   4612.39   2.3   0.79   19939   5.35   70     Langilal   4500   473.34   14880   1532.34   22500   1560.65   3.6   6.6   10342.5   17.04   460   4.05     Langilal   4500   433.34   14880   1532.34   22500   15816.86   5.4   3.6   10242.5   17.04   460   4.05     Langilal   4500   433.34   14880   1532.34   22500   15816.86   5.4   3.6   9.36   163   1.0     Langilal   5000   486.11   1528.5   2715   10.65   2245   1.9   1.0     Langilal   5000   486.11   1528.5   2628   2240   1.6   1.0     Langilal   5000   486.11   1528.5   17.05   10.70   1.0     Langilal   5000   486.11   15075   1656.0   244.18   1.0   239.81   6.3   1.0     Langilal   5000   486.11   15075   1656.11   25740   1.64   0.52   8986.83   2.6   1.0     Langilal   5000   486.11   15075   1656.11   25740   1.6   0.5   0.5   1.6   0.5     Langilal   5000   486.11   15075   1656.11   25740   1.6   0.5   0.5   1.6   0.5     Langilal   5000   486.11   15075   1656.11   25740   1.6   0.5   0.5   1.6   0.5     Langilal   5000   486.11   15075   1656.11   25740   1.6   0.5   0.5   0.5   0.5   0.5     Langilal   5000   5833   98900   10472.8   1870   0.2   0.5   0.5   0.5   0.5   0.5   0.5     Langilal   5000   5833   44500   5833   441057   644.07   1.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5     Langilal   5100   508.35   43600   164.05   1.5   0.5		Bar jai	34000		49100	54033.33	85120	31086.67	2.5	0.91	179845	5.17	66	6.29
Phanisy   510   553.3   6300   6853.3   12075   5221   677   2.4   102   30089.99   6.32   110     Langy   a	***************************************	Asrajai	4850	545.83	7800	8345 83	11880	3534.17	2.4	0.73	19521	44	79	5 02
Langi   all		Phansijal	5100	553.33	6300	6853.33	12075	5221 67	2.4	1.02	30089 99	632	110	888
Dhenki alia   5600   847.61   7800   8647.61   13260   4612.39   2.3   0.79   19936   3.56   70     Hook and Line   3600   400   3876   4275   4675   4607   1.3   0.11   7728   1.17   16     Langjal   250   470   473.34   8810   9383.34   25200   15816.66   5.4   3.36   95407   18.58   331   2.3     Rhewali jal   4500   22683.33   47400   49983.33   213750   16376.67   779   10.17   1002470   37 8   724     Rhewali jal   5450   568   15780   16240   16240   16240   5486.71   2570   2581.88   4.18   1.02   2586.83   2586.83   2588.83   25840   15810   2570   3.92   0.54   13581.88     Rhewali jal   5450   568   15780   16240   16240   16240   25405   1.58   1.8   0.54   1.4   1.2   1.2     Rhewali jal   5450   568   15780   16240   16240   25870   1.58   1.5   0.54   1.4   1.2   1.2   1.2     Rhewali jal   5450   568   26285   26383   32640   5846.67   6.4   1.15   33614   8.87   1.2   1.2     Rhewali jal   5500   563.33   26285   26340   16340   1.6   1.5		Langi jal	4950	570.83	6450	7020.83	0006	1979.17	1.8	0 39	9847.07	2.65	48	29
Hook and Line   3600   400   3875   4275   4675   400   1630   1630   177   16   16   16   16   16   16   1		Dhenki jal	5800	847.61	7800	8647.61	13260	461239	2.3	0.79	19936	3.56	707	44
Checkel   Action		Hook and Line	3600	400	3875	4275	4675	400	1.3	0.11	728	1.17	16	
Langi   a														
Khewali jal         4700         473 34         8910         9383 34         25200         15816.66         5.4         3 36         95407         18.58         331         2           Parangi jal         4500         433.34         14890         15323 34         22500         7776.66         5         1.6         42086 2         9.38         163         1           Musari jal         5000         486.11         15265         15761.11         20900         5148.89         4.18         1.02         29361         62         9.38         163         1           Rhewali jal         5000         486.11         15265         15751.11         20900         5148.89         4.18         1.02         29361         62         9.38         163         1 <td>olmari</td> <td>Langi jal</td> <td>250</td> <td>125</td> <td>7225</td> <td>7350</td> <td>0006</td> <td>1650</td> <td>36</td> <td>9.9</td> <td>10342.5</td> <td>17.04</td> <td>460</td> <td>42.3</td>	olmari	Langi jal	250	125	7225	7350	0006	1650	36	9.9	10342.5	17.04	460	42.3
Parangi jal         4500         433.34         14890         15323 34         22500         7176.66         5         1.6         42066 2         9.38         163         1           Musari jal         21000         2583.33         47400         49983 33         213750         163766.67         7.79         10.17         1002470         37.8         724           Khewali jal         5000         486.11         15266         15751.11         20900         5148.89         4.16         10.2         29361         6.32         109           Phansi jal         5450         565         7716         1716         7715         10560         2245         1.34         0.52         8966.63         25.1         43           Horhori jal         5400         486.11         16240         18810         2570         3.92         0.54         17473         3.65         62           Horhori jal         5100         508.33         26985         2693.33         32640         5846.67         6.4         1.15         33614         6.87         120           Khewati jal         5000         486.11         15076         15661.11         25740         10178.89         5.16         2.03         <		Khewall jal	4700	473 34	8910	9383 34	25200	15816.66	5.4	336	95407	18.58	331	21.20
Musari jal         51000         2583.33         47400         49983 33         213750         163766.67         7.79         10.17         1002470         37.8         724           Khewali jal         5000         486.11         15761.11         20900         5148.89         4.18         1.02         29361         6.32         109           Phansi jal         5450         486.1         15761.11         20900         5148.89         4.18         1.02         29361         6.32         109           Hansi jal         5460         480         15790         16240         7715         1680         2246         5270         3.92         0.54         13581.98         2570         3.24         0.54         17473         3.51         6.2         17473         3.51         6.2         17473         3.51         6.2         17473         3.51         6.2         17473         3.51         6.2         17473         3.51         6.2         17473         3.51         6.2         17473         3.51         6.4         1.15         3.544         6.87         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0		Parangi jal	4500	433.34	14890	15323 34	22500	7176.66	5	1.6	420862	9.38	163	10 3
Musari jal         21000         2583.33         47400         49883 33         213756         163766.67         7.79         10.17         1002470         37 8         724           Phewali jal         5500         486.11         15265         15761.11         20900         5148.89         4.18         1.02         29361         6.32         109           Phewali jal         5500         486.11         1526         15761.11         20900         2845         1.94         0.52         88866 3         2.51         43           Ghal jal         5000         480.357         5026         5628         9240         3240         1.54         0.54         17473         3.31         62           Horhori jal         5100         508.33         26286         2693.33         32640         5846.67         6.4         1.15         33614         6.87         120           ha         Musari jal         5500         583.3         98900         104733         148750         44017         3.3         0.98         247980.5         5.09         100           Hansi jal         5500         486.11         15075         14870         22742         1530         60.28         7.08         7														
Khewati jal         5000         486.11         15265         15751.11         20900         5148.89         4.18         1.02         29361         6.32         109           Phansi jal         5450         565         775         10560         2845         1.94         0.52         8986.63         2.51         43           Langi jal         4800         450         1579         16240         3840         2570         3.92         0.54         13581.98         3.65         62           Ghat jal         6000         803.57         5025         5828         9240         3240         1.54         0.54         17473         3.31         62           Horhori jal         5100         508.33         26285         2693.33         32640         5846.67         6.4         1.15         33614         6.87         120           Khewati jal         5000         486.11         15075         15561.11         25740         10178.89         5.15         2.03         60497         11.96         20.8         50.8         5.09         100           Khewati jal         5300         552.76         1580         1.56         0.29         8132         2.08         5.09         10	ori Beel	Musari jal	21000	2583.33	47400	49983 33	213750	163766.67	7.79	10.17	1002470	378	724	48
Phansi jal         5450         565         7150         7715         10560         2845         1.94         0.52         8986.63         2.51         43           Langi jal         4800         450         15790         16240         18810         2570         3.92         0.54         17473         3.31         62           Ghat jal         6000         803.57         5025         5828         9240         3240         1.54         0.54         17473         3.31         62           Horhori jal         5100         508.33         26285         2693.33         32640         5846.67         6.4         1.15         33614         6.87         120           Musan jal         500         486.11         15075         164733         148750         44017         3.3         0.98         247980.5         5.09         100           Khewali jal         5300         486.11         15075         15561.11         25740         10178.89         5.15         2.03         60497         11.96         207           I Langi jal         5300         552.78         16472.78         18700         2227.22         3.53         0.29         8132         2.08         39		Khewalı jal	5000	486.11	15265	15751.11	20900	5148.89	4.18	1.02	29361	6 32	109	6.8
Langijal         4800         450         15790         16240         18810         2570         3.92         0.54         17473         3.55         62           Ghat jal         600         803.57         5025         5828         9240         3240         1.54         0.54         17473         3.31         62           Horhori jal         5100         508.33         26286         2693.33         32640         5846.67         6.4         1.15         33614         6.87         120           Musan jal         4500         5833         98900         104733         148750         44017         3.3         0.98         247980.5         5.09         100           Khewali Jal         500         486.11         15561.11         25740         10178.89         5.15         2.03         60497         11.96         207         1           Phansi jal         5300         552.78         15920         16472.78         18700         2227.22         3.53         0.02         7086.38         3.36         57           Ghat jal         510         50.83         4440.57         6142.5         1731.93         0.54         17736         4.04         72		Phansi jal	5450	585	7150	7715	10560	2845	1.94	0.52	8986.63	251	43	2.6
Ghat jal         6000         803.57         5025         5828         9240         3240         1.54         0.54         17473         3.31         62           Horhori jal         5100         508.33         26286         2693.33         32640         5846.67         6.4         1.15         33514         6.87         120           Musan jal         45000         5833         98900         104733         148750         44017         3.3         0.98         247980.5         5.09         100           Khewali jal         5000         486.11         15561.11         25740         10178.89         5.15         2.03         60497         11.96         207         1           Phansi jal         5300         552.78         15920         16472.78         18700         2227.22         3.53         0.42         12066.38         3.36         57           Ghat jal         5100         508.33         45050         45558.33         48840         3281.67         9.57         0.64         17736         4.04         72		Langi jal	4800	450	15790	16240	18810	2570	3.92	0.54	13581.98	3.65	63	38
Horhori jal         5100         508.33         26286         2693.33         32640         5846.67         6.4         1.15         33614         6.87         120           Mussan jal         45000         5833         98900         104733         148750         44017         3.3         0.98         247980.5         5.09         100           Khewali Jal         5000         486.11         15075         15561.11         25740         10178.89         5.15         2.03         60497         11.96         207         7           Phansi Jal         5300         552.78         15920         16472.78         18700         2227.22         3.53         0.28         7036.78         2.18         37           Ghat Jal         5100         803.57         4410.57         6142.5         1731.93         102         0.29         8132         2.08         39           Horhori Jal         5100         508.33         45050         45558.33         48840         3281.67         9.57         0.64         17736         4.04         72		Ghat jal	6000	803.57	5025	5828	9240	3240	45.1	0.54	17473	3.34	69	9 6
Musan jal         45000         5833         98900         104733         148750         44017         3.3         0.98         247980.5         5.09         100           Khewali Jal         5000         486.11         15561.11         25740         10178.89         5.15         2.03         60497         11.96         207         1           Phansi Jal         5450         565         6375         6940         8470         1530         1.56         0.28         7036.78         2.18         37           Ghat Jal         5100         803.57         45920         16472.78         18700         2227.22         3.53         0.42         12096.38         3.36         57           Horhori Jal         5100         508.33         45050         45558.33         48840         3281.67         9.57         0.64         17736         4.04         72	*** *****	Horhori jal	5100	508.33	26285	2693.33	32640	5846.67	6.4	1.15	33614	6.87	120	7.5
Mulsari al         45000         5833         98900         104733         148750         44017         3.3         0.98         247980.5         5.09         100           Khewali al         5000         486.11         15075         15561.11         25740         10178.89         5.15         2.03         60497         11.96         207         1           Phansi al         5450         565         6375         6940         8470         1530         1.56         0.28         7036.78         2.18         37           Langi al         5300         552.78         15920         16472.78         18700         2227.22         3.53         0.42         12096.38         3.36         57           Ghat lai         5100         508.33         4410.57         6142.5         1731.93         102         0.29         8132         2.08         39           Horhori Jai         5100         508.33         45050         45558.33         48840         3281.67         0.64         17736         4.04         72	-													
jal         5000         486.11         15075         15561.11         25740         10178.89         5.15         2.03         60497         11.96         207         7           al         5450         565         6375         6940         8470         1530         1.56         0.28         7036.78         2.18         37           5100         803.57         4330         4410.57         6142.5         1731.93         1 02         0.29         8132         2.08         39           al         5100         508.33         45050         45558.33         48840         3281.67         9.57         0.64         17736         4.04         72	ormonona	Musan Jai	45000	ľ	98900	104733	148750	44017	3.3	0.98	247980.5	5.09	100	6.5
8450         565         6375         6940         8470         1530         156         7036.78         2.18         37           5300         552.78         15920         16472.78         18700         2227.22         3.53         0.42         12096.38         3.36         57           1200         803.57         4330         4410.57         6142.6         1731.93         1 02         0.29         8132         2.08         39           18         5100         508.33         45050         45558.33         48840         3281.67         9.57         0.64         17736         4.04         72		Knewali jai	2000		15075	15561.11	25740	10178.89	5.15	2.03	60497	11.96	207	130
5300         552.78         15920         16472.78         18700         2227.22         3.53         0.42         12096.38         3.36         57           sight         5100         508.33         45050         45558.33         48840         3281.67         9.57         0.64         17736         4.04         72		Phansi jai	5450		6375	6940	8470	1530	1.56	0.28	7036.78	2.18		2.2
5100 803.57 4330 4410.57 6142.5 1731.93 1 02 0.29 8132 2.08 39   1		Langi jal	2300		15920	16472.78	18700	2227.22	3.53	0.42	12096 38	3.36		3.5
5100 508.33 45050 45558.33 48840 3281.67 9.57 0.64 17736 4.04 72	-	Gnat jai	5100		4330	4410.57	6142.5	1731.93	1 02	0.29	8132	2.08		2.3
	***************************************	ношоп ја	5100		45050	45558.33	48840	3281.67	9.57	0.64	17736	4.04		44
	***************************************													

Beels	Gears	CI(Rs)	C I (Rs) Depre.(Rs)	TOC (Rs)	T C (Rs)	TR(Rs)	PAT (Rs)	CTOR	ROR	NPV (Rs)	BCR	IRR(%)	NKR
Jalinniffi Rool	Misaria	40500	8007 22	04000	00 20009	000777							
iona magaina	Dol. in	20000	77.1600	00000	22.1880	114000	44002.78	2.26	0.87	242895.8	4 05	87	3.85
		00000	90.000	00819	/0566.66	85500	14933.34	1.58	0.28	60902	1.71	37	2.13
	Knewall Jai	4650	477.77	8600	9077.77	14300	5222.23	3.07	1.12	29957	6.62	117	7.44
	Phansi jal	4800	493.33	6300	6793.33	7700	29 906	1.6	0.19	3460.72	1.66	26	1.72
	Langi jal	4700	508.33	10170	10678.33	18480	7801.67	3.93	1.66	45633.6	8.86	164	10.71
	Hook and line	3500	375	6815	7190	4800	-2390	1.37	-0.68	-16226.2	-3.32	-56	-3.64
	Horhori	4900	533.33	34350	34883.33	42000	7116.67	8.57	1.45	41032	7.49	142	9.37
					The second secon				-	,			
Kasodhara	Musan jal	57500	9652.77	51300	60952.77	100000	39047.23	1.74	0.68	207574	3.21	71	4.6
	Doll jal	52500	8541.66	40000	48541.66	85500	36958.34	1.63	0.7	197963	336	73	4.77
	Khewali jal	4450	529.16	7200	7729.16	8800	1070.84	1.98	0.24	4466	1.82	32	2
	Phansi jal	4400	471.66	6300	6771,66	8085	1313.34	1.84	0.29	6193.21	2.27	39	2.41
	Langi jal	4250	458.32	10135	10593.32	18480	7886.68	4.35	1.87	47026	9.65	182	12.05
	Hook and line	3800	416.66	6220	99 9899	5800	-836.66	1.53	-0.22	-7023.44	-0,59	-11	-0.85
	Horhon jal	4350	480.55	26300	26780,55	29760	2979.45	6.84	0.69	16184	4.09	75	4.72
	Parangi jal	3950	420.23	5330	5750.23	6048	297.77	1.53	0.07	26.69	-	12	-
												-	
Kujibalipatti	Musarijal	49000	7555.5	47600	55155.5	135000	79844.5	2.75	163	466021	7.21	153	10 51
	Doli jal	43000	7428.5	61800	69228.5	120000	50771.5	2.79	1.18	297509.4	574	118	7.92
	Khewaii jal	5400	632.14	7200	7832.14	7920	87 86	1.47	0.02	-1878.66	0.7	4	0.65
	Phansi jal	5300	535	6320	6855	8470	1615	1.59	0.3	7176.98	2.17	39	2.35
	Langi jal	5250	541.66	11725	12266.66	20020	7933.33	3.81	1.51	46430.7	8.7	150	9.84
	Hook and Line	3850	429.16	6020	6449 16	7000	550 89	1.81	0.14	1540	1.34	20	1.4
	Horhori	5100	495	26295	26790	40320	13530	7.91	2.65	80767	14.36	259	16,84
	Parangi jal	2000	541.66	4600	5141.66	6300	1158.34	1.26	0.23	5003.3	1.91	31	2
Deora Beel	Musari jal	44000	0009	42500	48500	78000	29500	1.77	0.67	165613	4.06	192	4.76
	Doll jai	39000	5000	42000	47000	67500	20500	1.73	0.53	103254	2.89	58	3.65
	Khewali jal	006	257.14	5880	6137.14	8470	2332.86	9.41	2.59	14197	8.73	217	16.77
	rnansı jai	4950	523.33	7110	7633.33	10560	2926 67	2.13	0.59	15468.08	3.63	29	4.16
	Langi jai	4900	558.33	7230	7788.33	8800	1011.67	1.79	0.21	3882.24	1.66	28	1.79
	Hook and Line	4050	401.66	6925	7326.66	6720	-606.66	1.66	-0.15	-5890.62	0.27	ψ	-0.45
	ношон	4850	503.33	23035	23538.33	31920	8381.67	6.58	1.73	48806	8.88	167	11.06
	Parangi jal	4500	444 44	4050	4494.44	6160	1665.56	1.37	0.37	8040.3	26	45	2.79
і пекега	Musan jai	42500	6875	46700	53575	67500	13925	1.59	0.32	65464	2.03	42	2.54
	Ber Jai	47500	8075	46700	54775	72000	17225	1.52	0.36	83122	2.13	45	2.75
	Knewalı jai	4800	533.33	7850	8383.33	14850	6466.67	3.09	1.35	37698	7.69	138	8.85
	Phasi jal	4900	513 33	7120	7633.33	10560	2926 67	2.16	0.59	15520.04	3.66	19	4.17
	Langi jal	4600	504.75	7820	8324.75	8910	585.25	1.94	0.13	1199.7	1.21	171	1.26
	Hook and Line	3300	325	2825	3150	2400	-750	0.73	-0.23	-6242 54	-0.73	-13	-0.17

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Chemical   Misser   al	DeelS	Gears	C I (Rs)	Depre.(Rs)	TOC (Rs)	T C (Rs)	TR (Rs)	PAT (Rs)	CTOR	ROR	NPV (Rs)	BCR	IRR(%)	NKR
Prevention   Section   S	dori	Musari jal	42000	0009	46200	52200	115500	63300	27.5	4	250257 0	30.4	445	
Henris   S450   S55   S770   T655   S850   S65   S770   T655   S850   S65   S770   T650   S850   S770   T650   S850   S770   T650   S770   T650   S770   T650   T		Khewaii jal	5250		10980	11521 66	35750	24228 34	A 84	2 2 2	146800	00.7	145	27.8
Lamp   at   2500   575   5360   5865   15840   5965   2.56   157   56206   5865   14840   14872   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5   2.5   14871   2.5		Phansi jal	5450		7120	7685	9680	1995	178	0.37	0247 07	20.03	2	25 67
Chart   Early   Chart   Char		Langr jal	5300		5360	5935	15840	9905	2 99	1 87	SRADA	200	183	4.7
Hock and Line   3550   4125   6650   6462.5   6400   1837.6   2.3   6.5   170221   3.36   14004   14		Ghat jal	6300		8250	9225	19950	10725	3.16	1/2	64252	20.0	3/2	11 10
Horinorial   5300   553   22990   23525   31920   6356   6.02   1.58   4571   6.12		Hook and Line	3650	4	6050	6462.5	8400	1937.5	23	0 53	40224	3 28	2 6	2
Chart   Museri   al.		Horhori jal	5300	***************************************	22990	23525	31920	8395	803	1.58	48713	2.30 8.42	156	10 10
Museri jal   34500   5643.35   103800   10843.35   360000   251166.65   1048   727   1539405   2412   241											21	j j	3	2
Chewalial   4550   451.66   7370   7911.65   9350   1438.44   2.2   0.34   6622   2.55   1436   1450   444.16   4380   6424.16   7700   751.62   176   0.17   3388.37   4.06   13688.38   4.06   1450   652.08   6380   634.68   154.35   1435   145   0.17   3388.37   1.0   17   3388.37   1.0   17   3388.37   1.0   17   3388.37   1.0   17   3388.37   1.0   17   3388.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.37   1.0   17   3488.38   1.0   12   3488.38   1.0   13   3488.38   1.0   12   3488.38   1.0	ındini-Karmari	Musari jal	34500	,	103800	108843.35	360000	251156.65	1043	727	1539405	34 12	R75	4R 27
Phansi   a		Khewali jal	4250		7370	7911.66	9350	1438,34	22	0.34	6822	2.55	45	2.5
Lang al   4466   563.06   6343.08   7700   759.92   177   0.17   3393.77   1.7     Hook and Line   3350   337.6   6150   6487.5   2840.5   4593.4   2.91   1.06   2408.6   7.16     Hook and Line   3350   1958.33   52000   5396.53   136500   5241.67   7   4.23   497838.3   20.74     Hook and Line   3350   327.77   5220   5396.53   136500   22641.67   7   4.23   497838.3   20.74     Hook and Line   3350   327.77   5220   5347.89   1750   2488.34   1.93   0.74   15859.0   4.6     Hook and Line   3350   5200   5354.80   771.68   2488.34   1.93   0.74   15859.0   4.6     Hook and Line   3350   5250   71200   76450   7716.18   6850   7251.77   1.06   1.97   0.6   1.8940.4   4.37     Hook and Line   3550   576.18   7710   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   6850   7716.18   7716.18   6850   7716.18   7716		Phansi jal	4150		4380	4834.16	7315	2480	176	0.6	13688 36	4 06	1 09	4 20
Chiral jul   3300		Langı jal	4450		6380	6943.08	7700	759.92	1.73	0.17	3389.37	17	27	1 75
Hook and Line   3350   337 5   6150   6487 6   2840   -3847 5   0 88   -1.06   -23468.5   -5.47     Hothon jal   19500   19568.3   52000   53868.3   136500   82541.6   7   7   4.23   497838.3   20 74   7168     Hothon jal   19500   19568.3   52000   53868.3   136500   82541.6   7   4.23   497838.3   20 74   7168     Hook and Line   3350   327.77   5220   5547.77   3360   2287.77   1   -0.65   13842.6   3.45   71687     Hook and Line   33500   5250   774.6		Ghat jal	5300		6250	6941.66	15435	8493.34	2.91	1.6	49684	7 93	158	10.37
Horhori jal   19500   1958.33   52000   53858.33   138550   5541.67   7   4.23   497838.3   20 74   1   1   1   1   1   1   1   1   1		Hook and Line	3350		6150	6487.5	2940	-3547.5	0 88	-1.06	-23498.5	-5.47	18	904
Musarijal   19500   19563.33   52000   539563.33   136550   8254167   7   4.23   497838.3   2074   371   3		Horhon jal	4100		23095	23520	28560	5040	6 97	1.23	29105	7.16	127	8.09
Miseri jal	khanahandha	Misarial	10500		00000	00 00000	001007	- 400	,					
Pintayai Jan   4400   471.66   6300   6771.68   11350   2418.6   1342.69		Vacant jar	19300		00070	55.55	nneasi	82541.67	,	4.23	497838.3	20 74	396	26.53
Hook and Line   3350   327.77   5220   547.77   3360   7488.34   2.1   0.56   13342.66   3.75     Hook and Line   3350   327.77   5220   4541.66   7425   2863.34   1.91   0.74   1.6659.6   4.6     Hook and Line   3350   327.77   5220   4750   66000   1250   1.97   0.4   16869.6   4.6     Hook and Line   3350   520   4520   4750   66000   1250   1.97   0.4   16869.6   2.30     Hook and Line   3550   548.39   6725   7774   676.70   12375   5100   2.66   1.09   29994.21   7.02     Hook and Line   3550   666.66   11350   12376   1647.71   1.66   1.09   29994.21   7.02     Hook and Line   3550   666.66   11350   12016.66   1674.16   1.68   0.44   1.1279.1   2.14     Hook and Line   5200   676.18   9200   9876.18   1306.7   1.1016.7   1.1016.7   1.1016.7     Hook and Line   3400   566.33   7080   7688.33   8800   11016.7   1.1016.7   1.1016.7   1.1016.7     Hook and Line   3400   350   6740   7638.33   8800   11016.7   1.1016.7   1.1016.7   1.1016.7     Hook and Line   3400   3360   6740   7638.33   8800   11016.7   1.1016.7   1.1016.7   1.1016.7   1.1016.7     Hook and Line   3400   3360   6740   7638.33   8800   11016.7   1.1016		Dhanaii ai	4100		0000	93/4.99	11550	2175.01	2 82	0 75	11370	3.41	61	377
Hook and Line   3350   327.77   5220   5547.77   3360   -2617.77   1   -0.65   -1869.6   4.6   Hook and Line   3350   327.77   5220   5547.77   3360   -2617.77   1   -0.65   -1869.0   4.6   4.6   Hook and Line   3350   237.77   5220   4550   60000   12500   1.97   0.4   53296.7   2.39   4.6		r nansijai	4400		0300	6771.56	9240	2468.34	2.1	0.56	13342.66	3 75	92	4.03
Musanijal 30500   2300   45200   47500   60000   12500   137   0.4   53295.7   2.39		Langi jai	3850		4150	4541.66	7425	2883.34	1.93	0.74	15869.6	4.6	81	5.12
Musanjal         30500         2300         45200         47500         60000         12500         1.97         0.4         53295.7         2.39           Ber jal         33000         5250         71200         76450         97500         21050         295         0.63         110878         3.15           Khewali jal         4750         500         6650         77150         4950         -2200         1.04         -0.04         -16653         -2.21           Phansi jal         4850         576.18         7716.18         9680         12375         5100         2.66         1.09         29994.21         7.02         1           Dhenki jal         4850         576.18         774.0         7716.18         9680         1653.8         2.65         0.8         33616         4.02           Hook and Line         3750         4875         54200         58075         84012.5         2.24         0.66         139443.5         4.09           Khewali jal         5500         666.6         11350         12016.6         16632         2.53         0.64         -11279.1         2.53           Hook and Line         3400         350         6740         7090         5040 </td <td></td> <td>Hook and Line</td> <td>3320</td> <td></td> <td>5220</td> <td>5547.77</td> <td>3360</td> <td>-2817.77</td> <td>-</td> <td>-0.65</td> <td>-18940.4</td> <td>437</td> <td>-73</td> <td>4.65</td>		Hook and Line	3320		5220	5547.77	3360	-2817.77	-	-0.65	-18940.4	437	-73	4.65
Museri jai   30000   2550   71200   7650   71250   7	tivon	Missonial	00306		00027									
Number   Muser   Mus	uyan	ividadi jai	Dococ		45200	47500	00009	12500	1.97	0.4	53295.7	2.39	45	2.75
NNewalijal         4750         5650         7750         4950         -2200         1.04         -0.04         -16653         -221           Phansijal         4850         549.99         6725         7274.99         12375         5100         2.66         1.09         28994.21         7.02           Langijal         4850         576.18         7140         7774.16         5600         -1574.16         1.58         0.04         -11279.1         2.74           Dhenkijal         7500         4875         54200         7174.16         5600         -1574.16         1.58         -0.44         -11279.1         -2.03           Musarijal         5500         666.66         11350         12016.66         16632         4615.34         3.02         1.19         25636         4.63           Phansijal         5500         676.18         9200         9876.18         1367         3290.82         2.53         0.63         18747.81         4.23           Hook and Line         3400         568.33         7080         7638.33         8800         116.167         1.79         0.24         4811.34         1.82           Hook and Line         3400         558.33         7080         7790	***************************************	Del Jai	00055		/1200	76450	97500	21050	2.95	0.63	111087.8	3.15	68	4.37
Phanisian   4650   549.59   6725   7274.99   12375   5100   2.66   1.09   29994.21   7.02     Langijal   4850   576.18   7140   7716.18   9680   1963.82   2   0.4   99894.21   2.74     Langijal   4850   1208.33   11880   13088.33   19110   6021.66   2.55   0.8   33616   4.02     Hook and Line   3550   354.16   6820   7174.16   5600   -1574.16   1.58   -0.44   -11279.1   -2.03     Musarijal   37500   4875   54200   59075   84012.5   24937.5   2.24   0.56   139443.5   4.09     Khewalijal   5200   676.18   9200   9876.18   13167   3290.82   2.53   0.63   18747.81   4.23     Hook and Line   3400   356   6740   77090   5040   -2050   1.48   -0.6   -14125.8   -2.92     Hook and Line   3400   356   6740   77090   5040   -2050   1.48   -0.6   -14125.8   -2.92     Hook and Line   3400   356   6740   77090   5040   -2050   1.48   -0.6   -14125.8   -2.92     Hook and Line   3400   356   6740   77090   5040   -2050   1.48   -0.6   -14125.8   -2.92     Hook and Line   3400   356   360		Nnewall Jai	4/50		6650	7150	4950	-2200	1.04	9.0	-16653	-2.21	-3.5	-2.29
Langital         4850         576.18         7716.18         9680         1963.82         2         0.4         9989.11         2.74           Dhenki jal         7500         1208.33         11880         13088.33         19110         6021.66         2.55         0.8         33516         402           Hook and Line         3550         35416         6820         7174.16         5600         -1574.16         1.58         -0.44         -11279.1         -2.03           Musarijal         37500         4875         54200         59075         84012.5         2.24         0.66         139443.5         4.09           Khewali jal         5500         666.66         11350         12016.66         16632         4615.34         3.02         1.19         25636         4.63           Phansi jal         5200         676.18         9200         9876.18         13167         3290.82         2.53         0.63         1877.81         4.23           Hook and Line         3400         1522.21         15050         15637.221         32130         15857.79         4.01         1.98         93667         8.69           Hook and Line         3400         350         6740         7090		Phansi jai	4650		6725	7274.99	12375	5100	2.66	1.09	29994.21	7.02	119	7,45
Unenki jai         7500         1208.33         11880         13088.33         19110         6021.66         2.55         0.8         33616         4 02           Hook and Line         3550         35416         6820         717416         5600         -1574.16         1.58         -0.44         -11279.1         -2 03           Musari jai         37500         4875         54200         59075         84012.5         2.24         0.66         139443.5         4.09           Khewali jai         5500         676.18         9200         7016.66         16632         4615.34         3.02         1.19         25636         4.63           Phansi jai         5200         676.18         9200         7016.66         13167         3290.82         2.53         0.63         18747.81         4.23           Langjiai         4900         558.33         7080         7638.33         8800         1161.67         1.79         0.24         4811.34         1.82           Hook and Line         3400         350         6740         7090         5040         -2050         1.48         -0.6         -14125.6         -2.92		Langi jai	4850		7140	7716.18	9680	1963.82	2	0.4	9989.11	2.74	49	3.0
Musarial         3550         4875         5420         7174 16         5600         -1574 16         1.58         -0.44         -11279.1         -2 03           Musarial         37500         4875         54200         59075         84012.5         2.24         0.66         139443.5         4.09           Khewai jal         5500         666.66         11350         12016.66         16632         4615.34         3.02         1.19         25636         4.63           Phansi jal         5200         676.18         9200         9876.18         13167         3290.82         2.53         0.63         18747.81         4.23           Langjal         4900         558.33         7080         7638.33         8800         1161.67         1.79         0.24         4811.34         1.82           Hook and Line         3400         350         6740         7090         5040         -2050         1.48         -0.6         -14125.6         -2.92		Duenki jai	/200		11880	13088.33	19110	6021.66	2.55	0.8	33616	4 02	84	5.4
Musari jal         37500         4875         54200         59075         84012.5         24937.5         2.24         0.66         139443.5         4.09           Khewal jal         5500         666.66         11350         12016.66         146632         4615.34         3.02         1.19         25636         4.63           Phansi jal         5200         676.18         9200         9876.18         13167         3290.82         2.53         0.63         18747.81         4.23           Langjal         4900         558.33         7080         7638.33         8800         1.79         0.24         4811.34         1.82           Dhenki jal         4400         1222.21         15050         16272.21         32130         15857.79         4.01         1.98         93567         8.69         1           Hook and Line         3400         350         6740         7090         5040         -2050         1.48         -0.6         -14125.6         -2.92		Hook and Line	3550		6820	7174 16	2600	-1574.16	1.58	-0.44	-11279.1	-2 03	क्	-2.18
Mindelliar	itichale	Missonial	37500		00073	12007	4,0,0							
Solution   Solution	aichiain	Widean jai	2/300	ľ	34200	c/nec	84012.5	24937.5	2.24	0.66	139443.5	4.09	75	4.71
al 5200 676.18 9200 9876.18 13167 3290.82 2.53 0.63 18747.81 4.23 4900 558.33 7080 7638.33 8800 1161.67 1.79 0.24 4811.34 1.82 al 4400 1222.21 15050 1672.21 32130 15857.79 4.01 1.98 93567 8.69 1 d Line 3400 350 6740 7090 5040 -2050 1.48 -0 6 -14125.6 -2.92		Niewall jai	Opec		11350	12016.66	16632	4615.34	3.02	1.19	25636	4.63	88	5.66
4900 558.33 7080 7638.33 8800 1161.67 1.79 0.24 4811.34 1.82 al 4400 1222.21 15050 16272.21 32130 15857.79 4.01 1.98 93567 8.69 1 d Line 3400 350 6740 7090 5040 -2050 1.48 -0 6 -14125.6 -2.92		Phansi lai	2200		9200	9876.18	13167	3290.82	2.53	0.63	18747.81	4.23	74	4.61
4400     1222.21     15050     16272.21     32130     15857.79     4.01     1.98     93567     8.69       3400     350     6740     7090     5040     -2050     1.48     -0 6     -14125.6     -2.92		Langijal	4900		7080	7638.33	8800	1161.67	1.79	0.24	4811.34	1.82	31	1.98
3400 350 6740 7090 5040 -2050 1.48 -0.6 -14125.6 -2.92		Dhenki jal	4400		15050	16272.21	32130	15857.79	4.01	1.98	93567	8.69	183	12.69
	***************************************	Hook and Line	3400		6740	2090	5040	-2050	1.48	90	-14125.6	-2.92	49	-3.15
													<del> </del>	-
					-					-				

Beels	Gears	CI(Rs)	C I (Rs) Depre.(Rs)	TOC (Rs)	TC (Rs)	TR(Rs)	PAT (Rs)	CTOR	ROR	NPV (Rs)	BCR	IRR(%)	NKR
Dighali-patali	Musan jal	40000		30550	33466 66	38250	A782 24	90 0	100	5000	c		100
	Berial	35000	5250	32500	47750	48800	40BED	00.4	2.00	2000-	200	S C	0.87
	Khewali ial	4750		5550	8050	7280	1240	500	200	77050	17.7	43	2 56
	Phansi ial	4800		8300	6200	0470	12.04.04	3 .	0.23	cene	.8.	33	2.06
	Lanoi ial	4350	433 33	11450	44882 22	7,000	10/00/	0/2	0.33	8227.02	7.58	4	2.71
The second secon	Dhenki ial	8000		0202	10000	1,020	70 0580	5.1	ر. ال	16.01/ <b>4</b> %	30	143	8.98
	Hook and I inc	2000		0/0/	0232.41	17000	4307.79	1.5/	0 \$4	22073	2.82	59	3.76
	בווום בווום	2000	400	0220	6620	2600	-1020	1.56	-0.28	-8061.44	0 91	-16	-1.24
Brahmamaiian	Adress in	00030		00077	00000						:		
Diamidianan	WIUSaff Jai	00002		41600	45166.66	00009	14833.34	2.31	0.57	81817	3.55	29	4 15
	Knewali jai	950	271.42	6590	6861.42	8800	1938.58	9026	2.04	11742	7.06	175	13.36
	Phansi jai	4800		6310	6803.33	9240	2436.67	1.92	0.5	12931.42	3,48	09	3 69
	Langi jal	4900	590.47	6410	7000.47	10780	3779.53	2.2	0.77	21214.84	4.64	8	4.64
	Dhenki jai	5300		7280	8021.66	5760	-2261.66	1.08	-0 43	-165797	-1.31	-26	-2.13
	Hook and Line	3850		6950	7329.16	8064	73484	2.09	0.19	2682	1.64	26	1.69
Salchapra	Musan jal	42500	-	58200	65789.28	131625	65835.72	3.09	1.55	391212.8	7.18	150	10.21
	Pur jal	77500		57900	70775	168750	97975	2.18	1.26	551994.5	5.11	116	8.17
	Khewali jal	4250	541.66	7700	8241.66	14850	6608.34	349	1.55	39229	8.79	159	10.23
	Phansi jai	4450		7110	7591.66	8800	1208.34	1.98	0.27	5529,83	2.12	36	2.24
	Langi jal	4400	548.8	6420	6968.8	8470	1501.2	1.92	0,34	7354,04	2.38	44	2.67
	Hook and Line	3350		6825	7162.5	6400	-762.5	1.91	-0.23	6344.54	-0.71	-12	-0.89
Sibnarayanpur	Musari jal	74000		34100	48600	135750	87150	183	1.17	503243.5	4.99	112	7.8
	Khewali jai	4750	Z	3000	3547.61	4620	1072.39	6.16	0.23	4498	1.81	98	1.94
	Phansi jal	5100		3050	3750	4950	1200	0.97	0.24	6103.74	2.07	35	2.19
	Langi jai	4900	558 33	7190	7748.33	9680	1931.67	1.98	0.39	9577.64	2.64	48	2.95
	Hook and Line	3250	312.5	4150	4463.5	3240	-1222.5	0.99	-0.38	-9142.75	-1.6	-27	-1.83
					\$								
baskandi	Musan jai	29000		48700	58477.77	117000	58522.23	1 38	66 0	327398	4.43	26	6.55
	rui jai	/4000	12000	97600	109600	301625	192025	4.07	2 59	116385	12.71	253	16 72
	Knewaii jai	4450	1	11450	12013.08	14850	2836.92	3.34	0.64	15608	3.87	71	4 51
	rnansı jai	4350	574.99	7750	8324.99	17820	9495.01	2.18	2 18	57552.69	13.03	226	14.23
	Langi jai	4400	516.66	7990	8506.66	11880	3373.34	2.7	0.77	18743 64	4.51	83	5.26
***************************************	Hook and Line	3550	354.16	6420	6774.16	8250	1475.84	2.32	0.42	7414	2.89	20	308
	Farangi jai	2300	691.66	4580	5271.66	6982.5	1710.84	1.32	0.32	1507.46	1.21	18	1.28
Arti. Barti	Missanial	VEOCO	23 6000	100022	20000	0000							
	Dirigion of	2000	1	002//	70.5000	006202	116996 43	4.5	2.59	707220.5	11.34	239	16.72
	rui jai	0067/		61/00	73575	64500	-9075	0.89	-0.13	-80498	0.177	35	-0.11
	Knewall Jai	4250	505.94	0099	7105.94	9240	2134.06	2.17	0.5	11312	3.25	59	3.66
	rialisi a	nnee		7800	8758.32	10890	2131.68	1.98	0.39	12613.9	2.94	2	3.29
	Laig a	4350		086/	8484.16	0066	1415.84	2.27	0.33	6651.31	2.27	41	2 53
	DOOK and Line	2000		6850	7211.11	0006	1788.89	2.57	0.51	9289	3.31	89	3.65

Beels	Gears	C1(Rs)	CI(Rs) Depre.(Rs)	TOC (Rs)	T C (Rs)	TR(Rs)	PAT (Rs)	CTOR	ROR	NPV (Rs)	BCR	IRR/%	NKD
Tapang	Musan ial	28000		41700	78033 22	001011							
	Pur ial	74000	12000	57100	40033.32	1006211	66466.68	4.02	2.37	397779.2	10 83	222	15.21
	Khewali ial	5150		2000	03100	28172	-9975	0.8	-0.13	-86795.2	0.126	25	0.17
	Phansi jal	5200	608 33	5700	63081.00	11800	5708.34	2.29	1.1	33171	6.69	117	744
	Langial	5600		8125	0000.00	04071	6231.67	2.41	1.19	36778.79	7.62	128	8.07
	Parangi jal	6500		5700	0014.20	11088	22/3.72	1.38	0.41	11597.63	2.72	35	3.07
				3	3	1000	8780	2.43	1.43	60687.8	7.31	142	9 33
Digarbakri	Musari jal	51000	1	28800	39121.41	70500	31378 50	4 28	100	475044			
	Pur jal	71000	:	49800	61549.99	53425	-8124 991	0.75	0.01	148071	3.74	88	4.44
	Khewali jal	4750	604.75	8080	8684.75	0066	1215025	200	100	-/ 3081.3	0.23	9	수 당 당
***************************************	Phansı jal	5200	733.33	5400	6133.33	7128	994.67	1 37	0.40	0700	8.7	ह्र	2 16
	Langi jal	5100	608.33	7250	7858.33	0896	1821.67	1 89	0.38	8708.4	4/-	87	182
	Hook and Line	3600	400	5220	5620	9600	980	183	72.0	4318	1147	45	272
	Unenki jai	6300	825	10400	11225	16200	4975	2.57	0.78	27731	154.1 106. A	C 2	2.19
D 18.											50.7	8	9.4
Namegna	Manajai	45000	8303.57	77000	85303.57	168750	83446.43	3.75	185	4005AR	ď	475	
	Juanki jai	4400		6550	7098.8	7425	326.2	1,68	0.07	2000	5 5	6/1	17.7
	Phansi jai	4150		6550	7058.32	13200	6141.68	3.18	1 48	36684 21	- 0	71	1 02
	Langi jai	4450		5620	6183.08	0099	416.92	1 48	000	E28 77	0 0	/6/	9.84
	Dhenki jal	4700	691.66	10340	11031.66	9240	-1791 66	197	2 2	128373	-   -	2 6	1.14
	Hook and Line	3600	120	7620	7740	8100	360	2.75	3 2	12521.3	F 10	777-	-1.71
									<del>-</del>  -	1202.04	2.0	4	0.65
Sagar	Mahajal	47500		17100	25225	60750	35525	1 28	0.75	200000	,		
	Jhanki jal	5250	589.28	4250	4839.28	6930	2090 72	1 30	0.00	050707	3/1	2	5 19
	Phansi jal	5600		6750	7491.66	13200	5708 34	235	5 5	80001	10/7	48	301
	Dhenki jal	5500		11975	12600	10780	-1820	1 98	23	42036 61	0 40	112	7.03
	Hook and Line	3600	400	5225	5625	0009	375	1,67	3 5	-13330.3	-1.13	-21	-1.53
	Parangi jal	8500	1263.88	5225	6493.88	11880	5386.12	139	0.63	28505 a	3.75	<u> </u>	1.16
									,	2.000	2.42	8	8
Copilarcriang	Manajai	48000	8857.14	106300	115157.14	430500	315342.86	8 96	6.5	1933852	27.5	- Lag	24.70
	Oberella jai	4250	1	8900	9405.94	11500	2094.06	2.7	0.49	11064	3 10	85	35.14
	Charles at	4150	-	17300	17808.32	18480	671.68	4.45	0.16	2874.91	1 65	3 8	2 5
	חומוא )מו	oone		7630	8350.23	7854	496.23	1,57	-0.09	-5172 54	0.21	3	000
	and the	340	338.88	8825	9163.88	9450	286.12	2.78	0.08	53	101	15	3 5
Δυσαρο	Moholol	AFEDD	1, 0000									17	77.1
Sing Sing	Maliajai hooki jol	45500	1	41800	48786.11	157500	108713.89	3.46	2.39	646776.8	10.31	21R	15.24
	Dhanel tol	4000		10200	10805.94	11220	414.06	2.44	0.09	570	8	7 4	1 45
	Charlet of	0044		2460	5941.66	6336	394.34	1.42	0.09	491.19	a) i	2 2	4 4 4
	Uneriki jai	4700	591.66	8020	8611.66	7020	-1591.66	1.49	A.32	-12137.3	18	122	- L
	HOOK BIN LINE	3900	383.33	6825	7208.33	9777	567.67	2.16	0.15	1663	139	27	1.30
									-			3	2
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							-		A STATE OF THE PARTY OF THE PAR		-	-	-

Beels	Gears	C   (Rs)	Depre.(Rs)	TOC (Rs)	T C (Rs)	TR (Rs)	PAT (RS)	CTOR	ROR	NPV (Rs)	BCR	IRR(%)	NKR
		00337	44	425400	4 40000 44	037500	1040000000	1000	36	022000	70.04	24.2	0000
Sone Beel	Manajai Ihonki ral	00004	605 04	22500	23405 04	207/200	101303.09 6504.08	0.07	C.S.	1001	10.01	110	1 22
	Citation in	2000	468 32	22500	7205g 32	26730	3774 Eg	200	700	0 40040	100	: 00	25.9
	Cary at	2007	130.32	Cara	0424 GE	2010	200.1 1.10 AB 24C	2007	200	E20 74	200	30	2000
	Director Jac	3450	367.5	11250	11612 5	12150	537.45	3.52	19	1653	40.0	200	1 48
	מוס ביוופ	35	202.0	00001	2:21:01:	20171	20.722	-	3	22		1	7
Rata Beel	Maha jal	46000	6888.88	64700	71588.88	81250	9661.12	1.77	0.21	33577.7	1.49	31	1.73
-	Jhanki jai	5400	555	4550	5105	0099	1495	1.22	0.28	6354	2	36	2.17
	Langi jal	4100	463.08	5640	6103.08	0099	496.92	1.61	0.12	1218.78	1.25	18	1.29
	Hook and line	. 3500	350	5450	5800	5040	-760	4.1	-0.22	-6291.2	0.68	-11	-0.79
								-					
Saitali	Dhenkı jal	9300	741.66		8761.66	8640	-121.66	1.63	-0.02	-3333 12	27.	41	0.37
	Langı jal	4450	563.08	6390)	6953.08	7700	746.92	1.73	0.17	2671.47	1,49	24	1.6
	Hook and Line	3900	380.54		4730.54	4488.75	-241.79	1.15	90.0	-3455,35	0.91	3	0.11
			-										
Pungani	Maha jai	30500	3652.77	37900	41552.77	68750	27197.23	2.25	0.89	1521463		8	5.99
	Bar jai	30500			44152.77	00006	45847.23	2.95	1.5	268089.8	,	151	9.94
	Phansi jal	5700		,-	11697.85	20020	8322.15	3.51	1.46	49363.15	1	149	9.68
	Langi Jal	0989			7938.88	11220	3281.12	2.09	0.61	171084	3.56		4.19
	Ghat jal	5700	675		9370	7920	-1450	1.39	0.25	-11744.5	-0.69		-1 06
	Hook and Line	3600	366.66	6820	7186.66	11200	4013.34	311	1.11	23096	6.75	117	7.42
		·											
Ganakdubaiduba	Bar jal	27000	387		31176.66	00009	28823.34		1.06	162940.2	5.13	-	7.03
	Phansi jal	5700		1	12515	15120	2605	2.65	0 46	12984 52	2.87	45	3.28
	Langi jal	2000			6717.85	9240	2522.15		0.5	13297 9	3.41		3.66
	Ghat jal	5000	99		8686.68	9180	493.34	1.84	60.0	621	1.09		1.12
	Hook and Line	3600		7420	0777	7000	-770	1.94	-0.21	-269.22	-0.93	11	0.92
G.B.Jopora	Musari jal	52000	9142.85		87742,85	118125		2.27	0.58		3.13		4.2
	Khewalı jal	0089		7350	7902.78	6545		1.23	-0.26		-1.23	~	-1.09
	Phansi jal	5700			9915	15400	5485		0.96		5.43	į	6.41
	Langi jal	5300	552.78		6102.78			1.59	0.45	11		53	3.25
The state of the s	Ohenki jal	6300			11289,28	15960	4670.72		0.74				5.17
	Hook and Line	3800			7316.66	11200			1.02	22193	6.01		6.84
Merkolaberia	Musari jal	41000	, -	9	Ů	12	"	3.05	1.35	327563			8.99
	Khewali jal	. 4200	447.22		8217.22				0.4	7879			2.87
	Phansi jal	2000				•		•	0.67	18			4.69
-	Langi jal	4300					730.56		0 17		1.33	23	1.43
	Parangi jai	4100	463.08		9763.08	10395			0.15	7			1.5
	Hook and Line	3600		3 6025	6408.33	8400			0.56	10478	3.48		3.91
			_						-				

Beels	Gears	C I (Rs)	C I (Rs) Depre.(Rs)	TOC (Rs)	T C (Rs)	TR (Rs)	PAT (Rs)	CTOR	ROR	NPV (Rs)	BCR	IRR(%)	NKR
Theulborhil	Miconin	44000	440 44	70600	77 07070	0.10.1.1							
in ionimenii	Witten a	1,000	00.18.44	0000	04819.44	062661	/0330.56	3.79	1.71	412675.5	7.68	161	11.06
	Knewali jai	4450	563.08	/150	7713.08	0896	1966.92	0.46	0.44	10431	2 99	2	3.34
	Phansi jai	4/00	531.66	11850	12381 66	13860	1478.34	0.34	031	7133.88	2.34	41	2.52
	Langi jai	4300	469 44	11330	11799.44	19305	7505.66	4.49	1.75	43802.05	8.87	168	11.18
	Parangi jal	200	125	6450	6575	7560	385	0.07	1.97	5851.07	6.74	167	12.7
	Hook and Line	3750	404,16	4870	5274.16	7700	2425.84	2.05	0.65	13196	4.05	72	4.52
Moridisoi	Musarijal	25000	3250	45500	48750	62500	13750	90	22	76404	0, 0	6	
	Khewali ial	5200	573.33	11050	11623 33	22880	11256 67	C.2	0.30	75164	3,49	3 3	4 000
	Phansi ial	4900	558.33	5200	5758.33	14520	8761 67	2 98	4 70	248EE 34	000	470	10.04
	Langi jal	4700	533.33	5200	5733.33	8470	2736.67	18	0.58	14436	3 48	2 48	11.38
	Dhenki jal	4750	547.61	11750	12297.61	24540	12242.39	5.17	2.58	73641	14.32	250	18.5
	Hook and Line	4450	433.33	3650	4083.33	5040	956.67	113	0.21	3686	1.74	28	1.82
Botalikhosa	Musan jai	27000	4678.5	39900	44578.5	150000	105421.5		3.9	642046.2	17.26	356	24.78
	Ber jai	27000	4678.5		44578 5	80000	35421.5	2.96	1.31	208746.2	6 2 9	129	8.73
	Khewali jal	4250	479.16		4229.16	7040	2810 84		0.66	15335	4.05	73	4.61
	Phansi jai	4700	531.66		14031.66	16320	2288.34		0.49	12147 88	3.28	58	3.58
	Langi jal	4250	506.66	4750	5256.66	5940	683.34	1.39	0.16	2336.55	1.46	73	1.55
	Dhenkı jal	2300	741 66	8000	8741.66	8100	-641.66		-0.12	-6552	0.09	1.69	-0.24
***************************************	Hook and Line	3400	338.88	4350	4688 88	4987.5	298.62	1.47	0.09	127	1.03	13	1.04
		0000											
Bindia	Musan jai	28000	4000	43350	47350	91000	43650	3 25	1.56	254480.7	7 28	149	10.08
	Bar jai	34000	4933.32		36933.32	55125	18191.66	1.62	0.54	38124.95	1.88	¥	2.12
	Khewali jal	4450	563.08		7683.08	7920	238 92	1 78	0.05	485.54	0.91	10	0 89
	Phansı jal	4500	577.36		5277.36	9460	4182.64	2.1	0.93	23925	5.31	66	6.32
	Langi jal	4250	541 66		6741.66	9460	2718.34	2.22	0.64	14745.15	3.71	R	4046
	Ohenki jai	2300	741.66	7200	7941 66	8280	338 34	1.56	90 0	-485.72	0.93	10	0.91
	Hook and Line	3300	316.066	3310	3626 66	3850	223.34	1.17	0.07	-269.22	0.92	10	0.92
Tellandaman	Mario	00030	2770 00	00237	00 02.707	00000							
chadailga	ואותפמון זמו	20000	2416.62		49172.22	00020	1332/ /0	7.0	0.53	86289	2.94	99	3.74
	Bar Jai	00067	3472.22	45/00	49172.22	68750	19627.78	2.75	0.78	35394	2.29	46	2.83
	Knewali jai	2300	D03.57		4253.57	4125	-128.57	0.78	-0.02	-3191.27	0 48	8.5	0.39
	Phansi jai	2200	660.71		4515.71	7920	3404.29	4.	0.62	18821.49	4.13	71	4.42
	Langi jai	5100	546.43		4391 43	5280	888.57	1.04	0.17	3159.01	1.55	24	1.62
	Dhenki jal	5500	660 71		7275 71	9450	2174.29	1.71	0.39	11009	2.68	49	3
	Hook and Line	3650	412.5	6820	7232.5	8000	767.5	2.19	0.21	2979	1.69	28	1 82

Table-7.2: Level of effectiveness of gears in different beels

Musarijal ]	Beels (Total nos.)  Barundanga,  Jogra, Chandakhal,  Botua-kamakhya,  Deepar beel,	(Total nos.)  Hrinchora, Borbila, Siligurijan,	Reels (Total nos.)  Kalidanga, Harinchora,	Beels (Total nos.)  Dighali-parali
	Jogra, Chandakhal, Botua-kamakhya,	Borbila, Siligurijan,		Dighali-parali
	Jogra, Chandakhal, Botua-kamakhya,	Borbila, Siligurijan,		
	Jogra, Chandakhal, Botua-kamakhya,	Borbila, Siligurijan,		
]	Chandakhal, Botua-kamakhya,	Siligurijan,	Harinchora,	1 1 1 /4 >
]	Botua-kamakhya,			beel. (1 no.)
] ]			Bhoispuri, and	
1	Deenar beel	Bormonoha,	Sagmara beel.	
		Jaluguti,	(4 nos.)	1
1 1	Moribeel,	Kasodhora,		
	Nandini-karmari,	Kujibalipatti,		
	Lakhanabandha,	Deora, Thekera,		
	Sibnarayanpur,	Udori, Satiyan,		
	Auti-bauti,	Siyalekhaity,		
	Tapang, Rani-	Brahmamaijam,		
	megna,	Salchapra,		
	Gopharchang,	Baskandi,		ĺ
	Angang, Sone	Digarbakri, Sagar,		
	beel,	Rata, Pungani,		
1	Merkolaberia,	Goroimari-bihdia-		
	Botalikhosa, Bihdia, Batha and	jopora, Tinsuliborbil,		
	Raumari beel.	Moridisoi,		
3	(20 nos)	Teliadanga,		
	(20 1103)	Moridikhow,		
		Diplinga-mailata		
		and Gathia.		
		(25 nos.)		
Dolijal k	Kalidanga,	-	**************************************	-
	Hakama, Nandini			
a	and Siligurijan			
'b	peel.			
1:(-	(4 nos)			
Berjal I	Harinchora,	Kalidanga,	Rani-megna beel	Bhoispuri, Auti-
,B	Baskandi,	Hakama, Nandini,	(1 no)	bauti, Tapang,
[P	Pungani, Ganak-	Barundanga,		Digar-bakri, and
ď	lubai-duba beel.	Jogra,		Gopharchang.
(4	4 nos)	Chandakhal,		(5 nos.)
		Deepar beel,		
	Į	Thekera, Satiyan,		1
	j	Dighali-patali,		
		Salchapra,		
		Botalikhosa,		
ļ.		Bihdia,		
		Teliadanga, and Moridikhow.		
		(15 nos.)		
Phansijal S	Sagmara, Borbilla,	Kalidanga,		
	Satiyan, Sagar,	Hakama, Nandini,		-
	Teliadanga and	Harinchora,		
	Gathia beel.	Barundanga,		
,	6 nos)	Bhoispuri, Jogra,		
100	0 4100)	Chandakhal,		
-		Botua-kamakhya,		

		Siligurijan, Deepar		
		beel, Mori,		
		Bormonoha,		
		Jaluguti,		
		Kasodhora,	1	
		Kujibalipatti,		
	'	Deora, Thekera,		
		Udori, Nandini-		
		karmari,		
		Lakhanabandha,		
		Dighali-patali,	1	
		Brahmamaijan,		
		Salchapra,		
	'	Sibnarayanpur,		
		Baskandi, Auti-		
	;	bauti, Tapang,		
İ			ļ	
		Digar-bakri, Rani-		
		megna,		
		Gopharchang,		
		Angang, Pungani,		,
		Ganak-dubai-		
	1	duba, Goroimari-		
		bihdia-jopora,		
		Merkolaberia,		
		Tinsuliborbil,		
		Moridisoi,		
		Botalikhosa,		
	1	Bihdia,		
		Moridikhow,		
		Batha, Mailata-		
		diplinga, and		• •
		Raumari.		
	,	(45 nos.)		
Langijal	Solmari, Jaluguti,	Kalidanga,		
	Kasodhora,	Hakama, Nandini,		
	Dighali-patali,	Harinchora,		
	Saitali, Rata and	Barundanga,		
	Mailata-diplinga	Bhoispuri, Jogra,		i l
	beel.	Chandakhal,		
	(7 nos)	Sagmara,		
	(, 1100)	Borbila, Botua-		
		kamakhya,		
		Siligurijan, Deepar		
		beel, Mori,		•
		Bormonoha,		
	,	Kujibalipatti,		
		Deora, Thekera,		
		Udori, Nandini-	ļ	
		karmari,		
	,	Lakhanabandha,		
		Satiyan,		
		Siyalekhaity,		
		Brahmamaijan,	;	
		Salchapra,		
		Sibnarayanpur,		•
		Baskandi, Auti-		
		Daskailui, Auli-		

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	throughouther to the comment of the			
		bauti, Tapang,		
	;	Digar-bakri, Rani-		
		megna, Sone,		
		Pungani, Ganak-		
•		dubai-duba,		
		Goroimari-bihdia-		
		jopora,		
		Merkolaberia,		
	1	Tinsuliborbil,		
		Moridisoi,		1
		Botalikhosa,		
		Bihdia,		İ
		Teliadanga,		
		Moridikhow,		
		Batha, and		
		Raumari		
		(44 nos.)		
Khewalljal	Bhoispuri,	Kalidanga,	Rani-megna,	Sagmara, Borbila,
1	Bormonoha,	Hakama, Nandini,	Angang, and	Kujibalipatti,
	Deora, Thekera,	Harinchora,	Tinsuliborbil.	Satiyan,
	Udori,	Barundanga,	(3 nos.)	Merkolaberia,
	Brahmamaijan,	Jogra,		Bihdia,
	Salchapra and	Chandakhal,		Teliadanga,
	Moridikhow beel.	Botua-kamakhya,		Raumari, and
	(8 nos)	Siligurijan, Deepar		Gathia. (9 nos.)
		beel, Solmari,		
		Mori, Jaluguti,		
		Kasodhora,		
		Nandini-karmari,		
	h.	Lakhanabandha,		
		Siyalekhaity,		
	,	Dighali-patali,	1	1
		Sibnarayanpur,		
		Baskandi, Auti-		
		bauti, Tapang,		
		Digar-bakri,		,
	,	Sagar,		
:		Gopharchang,		
	,	Sone, Rata,		
		Goroimari-bihdia-		
		jopora, Moridisoi,		
		Botalikhosa,		
	•	Batha, and		,
		Raumari		
		(32 nos.)	·	
Hook and line	Goroimaari-	Kalidanga,	Botuakamakhya,	Nandini,
Fishing	bihdia-jopora beel.	Hakama,	Deepar beel, and	Harinchora,
	(1 no)	Brahmamaijan,	Botalikhosa.	Barundanga,
		Baskandi, Auti-	(3 nos.)	Bhoispuri, Jogra,
		bauti, Digar-bakri,		Chandakhal,
		Sagar,	ŧ	Sagmara, Borbila,
		Gopharchang,		Jaluguti,
		Angang, Sone,		Kasodhora,
,		Pungani,		Kujibalipatti,
		Merkolaberia,		Deora, Thekera,
		Tinsuliborbil,		Udori, Nandini-

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		Moridisoi, Teliadanga, Moridikhow. (16 nos.)		karmari, Lakhanabandha, Siyalekhaity, Dighali-patali, Salchapra, Sibnarayanpur, Rani-megna, Rata, Saitali, Ganak-dibai- duba, Bihdia, Batha, Mailatadiplinga, and Raumari (29 nos.)
Dhenkijal	Siyalekhaity, Digar-bakri-baiya, Moridisoi beel. (3 nos)	Sagmara, Botuakamakhya, Deepar, Mori, Bormonoha, Udori, Nandini- karmari, Satiyan, Dighali-patali, Ganak-dubai- duba, Teliadanga, Moridikhow, Mailata-diplinga, Raumari, and Gathia. (15 nos.)	Gorimari-bihdia- jopora. (1 no)	Borbila, Brahmamaijan, Rani-megna, Sagar, Gopharchang, Angang, Sone, Saitali, Pungani, Botalikhosa, Bihdia, and Batha. (12 nos.)
Horhorijal	Kujibalipatti beel. (1 no)	Siligurijan, Mori, Bormonoha, Jaluguti, Kasodhora, Deora, Udori, and Nandini-karmari beel. (8 nos.)	-	~
Parangijal	Tinsuliborbill beel. (1 no)	Harinchora, Jogra, Chandakhal, Solmari, Kasodhora, Kujibalipatti, Deora, Baskandi, Tapang, and Merkolaberia. (10 nos.)	Sagar (1 no)	Barundanga, and Bnhoispuri. (2 nos.)

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### FACTORS FOR LEVEL OF EFFECTIVENESS

Apart from the cost-effectiveness study in different beels opinions of the fishermen were recorded in the Semantic Differential Scale (Table-7.3) to evaluate the factors, which determine the level of effectiveness of gears. The study reveals that types of gears used in the beel fisheries are not the only factor that determines the level of effectiveness of a gear.

When the fish species availability is taken into consideration 84.99% fishermen supported the view that fish species are responsible for the effectiveness of a gear. On the other hand only 15.01% of them rejected the view. It has been also observed that 94.42% of the fishermen considered fish density as the main factor for the effectiveness of gears whereas 05.58% do not agree with the view. Lastly, when hydrological condition of the beel is considered as the factor, which can affect the level of efficiency of a gear 79.09% of fishermen rejected the view and 20.91% of them lightly supported the view.

Table- 7.3: The perception of fishermen about effectiveness of a gear

Factors					
	+2	+1	0	-1	-2
Fish species available	31.57	32.28	21.14	15.01	-
Fish density	43.68	34.09	16.65	05.58	-
Hydrological conditions	-	-	20.91	32.81	46.28

# **DISCUSSION**

The study on cost effectiveness of musarijal, dolijal, berjal, phansijal, langijal, khewalijal, hook and line fishing, dhenkijal, and parangijal reveals that the level of effectiveness of gears varies across the different beels of Assam. Each beel has been observed to use 5 to 8 types of gears mainly in commercial fishing purpose. From the analysis it is evident that all the gears in a beel are not equally effective and exhibit a high range of variation in their level of effectiveness.

Table-7.2 shows that out of 51 beels *musarijal* is most effective in 20 beels, effective in 26 beels, partially effective in 4 beels, and not effective in only one beel. It means the gear is able to earn sufficient benefit in most of the cases. Further, as shown in table-4.1 and fig.4.1 of chapter-IV, it is evident that the level of effectiveness on the basis of economic criteria, such as CTOR, ROR, BCR, IRR, NPV, and NKR the effectiveness of gear vary greatly in different beels.

Dolijal is found most effective in 4 beels out of 8 beels (Table. 7.2) where the study has been conducted. In other 4 beels the gear is found effective. But the levels of effectiveness on the basis of economic criteria have been found to vary in different beels (Table-4.2 and Fig. 4.2, chapter-IV).

In commercial fishing *Berjal* is found in 25 beels of which in 4 beels it is found as most effective. Moreover, the gear is found effective in 15 cases, partially effective in one case (i.e., in Rani-megna beel), and not effective in 5 cases on the basis of economic criteria. Further, the gear exhibits variations in the level of effectiveness in different beels (Table-4.3 and Fig. 4.3, chapter-IV).

The study on the basis of economic analysis it is evident that gill nets (*phanijal* and *langijal*) are the most feasible gears in the beel fisheries of Assam. Out of 51 beels *phansijal* is found most effective in 6 beels and effective in other 45 beels. That means in no cases the gear either partially effective or not effective. Though, the level

of effectiveness on the basis of economic criteria (table-4.4) and CPGH (table-5) vary in different beels but the gear is found to earn sufficient revenue in all the cases indicating its effectiveness in the beel fisheries of Assam. Similarly, the economic analysis (table-4.5) shows that out of 52 cases *langijal* is most effective in 7 beels (13.46%), effective in 44 beels (84.61%), and partially effective in only one beel (1.92%).

Thus, though the levels of effectiveness vary in different beels, both the gill nets, i.e., phansijal and langijal are found as the most suitable gears in the beel fisheries of Assam.

Out of 52 beels (table-7.2) *khewalijal* is found most effective in 8 beels (15.38%), effective in 32 beels (61.53%), partially effective in 3 beels (5.76%) and not effective in 9 beels (17.31%). Like other gears the level of effectiveness on the basis of economic criteria (table-4.6) and CPGH (table-5) are found to vary from beel to beel.

Hooks and line fishing is found in operation for the commercial purpose in 49 beels. In only one case (2.04%) i.e., Goroimari-Bihdia-Jopora beel the gear is found as most effective and in 16 cases (32.65%) it is found as effective on the basis of economic criteria (table-4.7). But in another 3 beels (6.12%) it is found to be partially effective. On the other hand, the gear is not effective in most of the cases (29 beels out of 49, i.e., 59.18%). In these beels all the vital economic parameters are found below the feasible range. Hence, the gear is not suitable in commercial fishing as far as the present research is concerned.

Dhenkijal is found in 31 beels of which only in 3 beels (9.68%) the gear is found as most effective, in 15 beels (48.39%) as effective, in 1 beel (3.22%) as partially effective, and 12 beels (38.71%) the gear is found as not effective (table-7.1). Like other gears the level of effectiveness in this case also vary across the beels (table-4.8).

The level of effectiveness of *horhorijal* is also found to vary in different beels (table-4.9). Out of 9 beels where the gear is found in commercial use, in only one case (11.11%) it is found as most effective. But in another 8 cases (88.89%) the gear is found as effective in all economic criteria such as CTOR, ROR, BCR, IRR, NPV, and NKR. In no beels the gear is found either as partially effective or as not effective. Hence, the gear is considered as the suitable one for the beel fisheries of Assam.

Finally, out of 14 beels only in one beel (7.14%), i.e., Tinsukiborbil, *parangijal* has been found as the most effective gear (table-7). The gear is found effective in 10 beels (71.43%) where all the economic indicators are found within the viable range. But in 1 beel (7.14%), i.e., Sagar beel it is observed as partially effective. Further, in two beels (14.28%), such as Barundanga and Bhoispuri beel the gear is found as not effective according to the economic analysis (table-4.10).

Thus, the analyses support the hypothesis that the level of effectiveness of gears varies across the different beels of Assam. It means if one type of gear is effective in a particular beel, the same may not be effective in the other beels.

From the study of responses recorded in the Semantic Differential Scale (table-7.3) it has been observed that the effectiveness of a particular gear also depends on the fish species available in the beel, fish density and to a lesser extent to the hydrological conditions of the beels. According to the study most of the fishermen (84.99%) opined that availability of fish species play a major role in the effectiveness of a gear. Moreover, to be an effective gear in a particular beel, the beel must contain sufficient fish density. This view is supported by 94.42% of the fishermen. But when hydrological condition of a beel has been put forwarded to fishermen most of them (79.09%) suggested that hydrological conditions of a beel do not play any major role in the effectiveness of a gear.

# **CONCLUSION**

The cost effective analyses of gears in different beels reveal that the level of effectiveness of gears varies across the different beels of Assam. It means if one type of gear is effective in a particular beel, the same may not be effective in the other beels. As such the level of effectiveness may be influenced by the types of species available in the beel, their density and the hydrological condition of the beels.