

Appendix A

The 2020 Auction and Rules

In the 13th Edition of the IPL Auction of 2020, fans from all over the globe were glued to their screens to watch the live auction — one of the most significant and prominent events in the cricketing world. For that particular season, there were 332 players who went under the hammer. Franchises with ₹207 crores to spend and a total of 73 spots to fill get into bidding wars that can lead to auction prices shooting

through the roofs, while some big names can go unsold, the well-known players with consistent performance have retained a big check in their hands.

In each edition of the IPL Auction, the governing body — Board of Control for Cricket in India(BCCI)— allocates the maximum amount that can be spent by each of the teams to retain and buy players in the auction, both domestic and overseas. Franchises are allowed a minimum of 18 players and a maximum of 25

160 that were called upon, the player is said to be “unsold”. However the player can come up for auction again upon the insistence of any of the franchises. Moreover, each player has an annual base salary, which is the amount from which the bidding for the player starts, and the bid increments vary as the price goes through the different brackets of bids. In addition, a common prominent strategy and option in the

players, with a maximum allowance of eight foreign players in the squad.

The players are up for auction by the franchises in groups of 5-14 players each, which are categorized based on their specialization:

1. Batsman
2. All-Rounders
3. Wicket Keepers
4. Fast Bowlers
5. Spinners

The order of the presentation of the players is always determined by a random draw called out by the auctioneer, which is in front of the franchises in the auction room itself.

To make the auction more efficient, there is an accelerated process. For example, out of 332 available players, only 160 were called upon in the regular auction process in the specific categories as mentioned above. The remaining players up for auction would depend on whether the franchises show interest in them.

If there seems to be no bid from any of the franchises for a specific player amongst the first IPL Auction of 2018 was the Right-to-Match (RTM) card that allowed franchises to buy back their former players at the highest bid price. However, this option was not present in the 13th Edition of the IPL Auction. Therefore, it was an open auction with the highest bidder getting the player based on the price.

(Indian Premier league official website 2020).

Appendix B
Notations of Variable

Batsman attributes		Bowling Attributes	
Year+1 Matches	Y ₁ MAT	Year+1 Bowling Innings	Y ₁ BOWI
Year+1 Innings	Y ₁ I	Year+1 Overs	Y ₁ O
Year+1 Not Outs	Y ₁ NO	Year+1 Runs Conceded	Y ₁ RC
Year+1 Runs	Y ₁ R	Year+1 Wickets Taken	Y ₁ WT
Year+1 Batting Avg.	Y ₁ BATAVG	Year+1 Bowling Avg.	Y ₁ BLAVG
Year+1 Batting Strike Rate	Y ₁ BATSR	Year+1 Econ Rate	Y ₁ BLECON
Year+1 Highest Score	Y ₁ HS	Year+1 Bowling Strike Rate	Y ₁ BLSR
Year+1 Total 4s	Y ₁ T4	Year+1 4w	Y ₁ BL4W
Year+1 Total 6s	Y ₁ T6	Year+1 5w	Y ₁ BL5W
Year+1 Total 50s	Y ₁ T50	Year+1 Bowling Avg. in Death Overs	Y ₁ BLAVGD
Year+1 Total 100s	Y ₁ T100	Year+1 Bowling SR in Death Overs	Y ₁ BLSRD
Year+1 Batting Avg. Death	Y ₁ BATAVGD	Year+1 Bowling Econ. Rate Death Overs	Y ₁ BLECOND
Year+1 Batting Strike Rate Death	Y ₁ BATSRD	Year+1 Bowling Avg. Powerplay Overs	Y ₁ BLAVGP
Year+1 Batting Avg. Powerplay	Y ₁ BATAVGP	Year+1 Bowling SR in Powerplay Overs	Y ₁ BLSRP
Year+1 Batting Strike Rate Powerplay	Y ₁ BATSRP	Year+1 Bowling Econ. Rate Powerplay Overs	Y ₁ BLECONP
Year+1 Batting Average T20I	Y ₁ SBATAVGT20I	Year+1 Bowling Avg. T20I	Y ₁ ABLAVGT20I
Year+1 Batting Strike Rate T20I	Y ₁ BATSRT20I	Year+1 Bowling SR T20I	Y ₁ BLSRT20I
Year Matches	Y ₀ MAT	Year+1 Bowling Econ. Rate T20I	Y ₁ BLECONT20I
Year Innings	Y ₀ I	Year Bowling Innings	Y ₀ BOWI
Year Not Outs	Y ₀ NO	Year Overs	Y ₀ O
Year Runs	Y ₀ R	Year Runs Conceded	Y ₀ RC
Year Batting Avg.	Y ₀ BATAVG	Year Wickets Taken	Y ₀ WT
Year Batting Strike Rate	Y ₀ BATSR	Year Bowling Avg.	Y ₀ BLAVG
Year Highest Score	Y ₀ AHS	Year Econ Rate	Y ₀ BLECON
Year Total 4s	Y ₀ T4	Year Bowling Strike Rate	Y ₀ BLSR

Year Total 6s	Y ₀ T6	Year 4w	Y ₀ BL4W
Year Total 50s	Y ₀ T50	Year 5w	Y ₀ BL5W
Year Total 100s	Y ₀ T100	Year Bowling Avg. in Death Overs	Y ₀ BLAVGD
Year Batting Avg. Death	Y ₀ BATAVGD	Year Bowling SR in Death Overs	Y ₀ BLSRD
Year Batting Strike Rate Death	Y ₀ BATSRD	Year Bowling Econ. Rate in Death Overs	Y ₀ BLECOND
Year Batting Avg. Powerplay	Y ₀ BATAVGP	Year Bowling Avg. in Powerplay Overs	Y ₀ BLAVGP
Year Batting Strike Rate Powerplay	Y ₀ BATSRP	Year Bowling SR in Powerplay Overs	Y ₀ BLSRP
Year Batting Avg. T20I	Y ₀ SBATAVGT20I	Year Bowling Econ. Rate in Powerplay Overs	Y ₀ BLECONP
Year Batting Strike Rate T20I	Y ₀ BATSRT20I	Year Bowling Avg. T20I	Y ₀ ABLAVGT20I
		Year Bowling SR T20I	Y ₀ BLSRT20I
		Year Bowling Econ. Rate T20I	Y ₀ BLECONT20I

Other attributes

Year+1 Season	Y ₁ S	Year+1 Opening Batsman	Y ₁ OB
Year+1 Fielding	Y ₁ F	Year+1 Spin	Y ₁ SPIN
Year+1 Age	Y ₁ A	Year+1 Top-order Batsman	Y ₁ TOB
Year+1 All-Rounder	Y ₁ AR	Year+1 Wicket-Keeper	Y ₁ WK
Year+1 Fast	Y ₁ FAST	Year+1 Domestic	Y ₁ D
Year+1 Medium	Y ₁ M	Year+1 Intl.	Y ₁ INTL
Year+1 Middle-order Batsman	Y ₁ MOB	Year Age	Y ₀ A
