



Development of Norms for Reaction Ability Test for Circle Style Kabaddi Players According to Weight and Height Categories

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Abstract- The purpose of this study was to develop norms for Reaction Ability test for circle style kabaddi players according to weight and height categories. With the purposive sampling technique a sample of 216 circle style male kabaddi players was taken from sixteen teams which were qualified for the league stage or qualified for the semifinal of the inter college tournament of selected universities to develop the norms. Reaction Ability was measured by Ball Reaction Ex. Test. The test was selected from the specific physical fitness test battery for circle style kabaddi players. (Singh T. 2018). The results were obtained through the SPSS version 21.0. ANOVA, SCHEFFE TEST (POST HOC TEST) and Percentile scale were used to develop the norms for reaction ability test for circle style kabaddi players according to weight and height categories.

Key words- ANOVA, SCHEFFE TEST, Reaction Ability, Norms, Circle Style Kabaddi.

Introduction- There is a need of a constant attempt to achieve higher standard of performance in the sports. Technology has covered every aspect of human life. Now sports activities have also become highly scientific. In order to give the best possible performance at any of the competitions the assistance of scientific disciplines is sought. Induction of the basic principles of science, physical education and sports has become a subject of scientific research. This game is becoming a popular game in many parts of the world and there is an increasing demand with regard to fitness skill and related capabilities of the circle style kabaddi players. The promotion and evaluation of the level of physical fitness is considered essential in Circle Style Kabaddi. (Singh T. 2018)

The “circle kabaddi” or Punjab style, for which the World Cups were organized in Punjab State of India, is quite different from the “national style”. As the name suggests, it is played in a circular ground instead of the rectangular one as is the case in the “national style”. After a raider and a defender tag, it is the display of strength and skill of the two players from the opposite sides. (The Hindu, 2012).

Circle Style Kabaddi has developed to become faster, with more intensity and aggressive play in the World Kabaddi League and Kabaddi World Cups than seen in the past. Circle Style Kabaddi is a combative sport, and performance depends on a number of factors, such as physical fitness, psychological factors, player’s technique, tactics. Injuries and squeal from previous injury can also affect the player’s ability to perform. So many studies have been completed on Circle Style Kabaddi.

T. Dr. (2022) conducted a comparative study on speed and reaction ability Level between the Circle Style Male Kabaddi Players of Panjab University Chandigarh and Guru Nank Dev University Amritsar; Das S. & Singh J.

(2021) conducted a comparative study on Psychological variable (Emotional Intelligence) of Circle Style and National Style Kabaddi Players; Singh T. Dr. (2021) conducted a comparative Study of Muscular Power and Speed between the Circle Style Male Kabaddi Players of Punjabi University Patiala and Panjab University Chandigarh; Singh, T. Dr. (2020) conducted a Comparative analysis of Cardio-vascular endurance between the male raiders and stoppers of circle style kabaddi; Singh J. (2019) conducted a comparative study on agility level among female circle style kabaddi players of Punjabi University Patiala and Panjab University Chandigarh; Singh, T. (2019). conducted a Comparative analysis of speed and muscular power between the male raiders and stoppers of circle style kabaddi, Singh T. (2019). conducted a Comparative Analysis of Agility and Reaction Ability between the male Raiders and Stoppers of Circle Style Kabaddi; Kumar K., et.al.(2018) conducted a comparative study of sports achievement motivation of national level circle style kabaddi players; Singh, T. (2018) Constructed and standardized a specific physical fitness test battery for circle style kabaddi players and Singh, T. (2018) conducted a comparative study of cardio-vascular endurance, agility and flexibility level between the circle style male kabaddi players of Panjab University Chandigarh and kurukshetra University kurukshetra.

Reaction ability

Reaction ability is also play a very important role for the players of circle style kabaddi. Fast reaction and fast running are common actions in this game. So in this study only this ability is focused. Reaction ability- “Reaction ability is the ability to initiate quickly to perform following the signal”. (Singh, 1991).

Objective of the study: To develop the norms for Reaction ability test for circle style kabaddi players according to weight and height categories.

METHOD AND PROCEDURE:

Sample- Two hundred Sixteen (216) subjects for this study were selected with the purposive sampling technique from eight teams which were qualified for the league stage of the inter college tournament of selected Universities i.e. Panjab University Chandigarh, Punjabi University Patiala, Guru Nanak Dev University Amritsar and Kurukshetra University Kurukshetra during the session of 2017-18.

METHOD – Norms were already developed for Circle Style Kabaddi players in specific physical fitness test battery for circle style kabaddi players (Singh T. 2018). But weight and height also affect the performance of the players in Circle Style Kabaddi because it is a combative game. Here it was essential to indicate that selected and authentic test through the present study are also compared with adopted weight and height. The investigator made the three categories of weight and two categories of height for the Circle Style Kabaddi Players with the consult of the coaches and experts of Circle Style Kabaddi. These categories of weight and height were also suitable for the data of the study. These categories were compared with ANOVA and Scheffe Test.

In this study the norms of Ball Reaction Ex. Test have been developed to judge the reaction ability of the players of Circle Style Kabaddi according to weight and height categories. The percentile scale was applying to develop the norms, as it is found easier to all the coaches, trainers, researchers and testers to compare the result (Barnett and Peters, 2004; Bruininks and Bruininks, 2005). Moreover percentile rank provides a quick comparison with all other scores in the group (Chow and Henderson, 2003).

ANOVA and SCHEFFE Test (POST HOC TEST)

TABLE 1

Comparison among different weight categories with ANOVA Test

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
Ball Reaction Ex. Test	Between Groups	4912.86	2.00	2456.43	15.00	0.00
	Within Groups	34885.26	213.00	163.78		
	Total	39798.13	215.00			

- Significance at .05 Level of confidence

It observed from table that the F value of selected test is significant at .05 level of confidence. So there is a need of Multiple Comparisons by Scheffe Test (Post Hoc Test) to check the significant difference of means between the weight categories.

TABLE 2

SCHEFFE TEST to check the significant difference of means among weight categories

Multiple Comparisons							
Dependent Variable			Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Ball Reaction Ex. Test	1	2	-2.05	1.97	0.58	-6.91	2.81
		3	-12.42726*	2.35	0.00	-18.23	-6.63
	2	1	2.05	1.97	0.58	-2.81	6.91
		3	-10.37930*	2.31	0.00	-16.07	-4.69
	3	1	12.42726*	2.35	0.00	6.63	18.23
		2	10.37930*	2.31	0.00	4.69	16.07
*. The mean difference is significant at the 0.05 level..							

- Significance at .05 Level of confidence

It can be observed from Table 2 Scheffe Test (Post Hoc Test) that the Mean Difference of selected test is significant at 0.05 level of confidence. So there is a need to develop the norms according to the different weight category for Reaction Ability test . Different weight category are up to 75 kg (N=80), 76 kg to 90 kg (N=84) and above 90 kg (n=52).

Descriptive Statistics, Percentile Norms and Grades of Weight Categories:

Table no. 3 show the Descriptive Statistics and table no. 4 Percentile Norms for different weight categories for Reaction Ability test. The table 5 show the grades according to the performance of the players of Circle Style Kabaddi.

TABLE 3

DESCRIPTIVE STATISTICS OF WEIGHT CATEGORIES

Test Items	Category	N	Range	Minimum	Maximum	Mean	Standard Deviation
Ball Reaction Ex. Test	Up to 75 kg	80	50.20	102.40	152.60	124.28	13.28
	76 to 90 kg	89	48.7	106.2	154.9	126.33	12.41
	Above 90 Kg	47	49.20	109.20	158.40	136.71	12.70

Graphical presentation of Mean and Standard Deviation of weight categories for Reaction Ability test

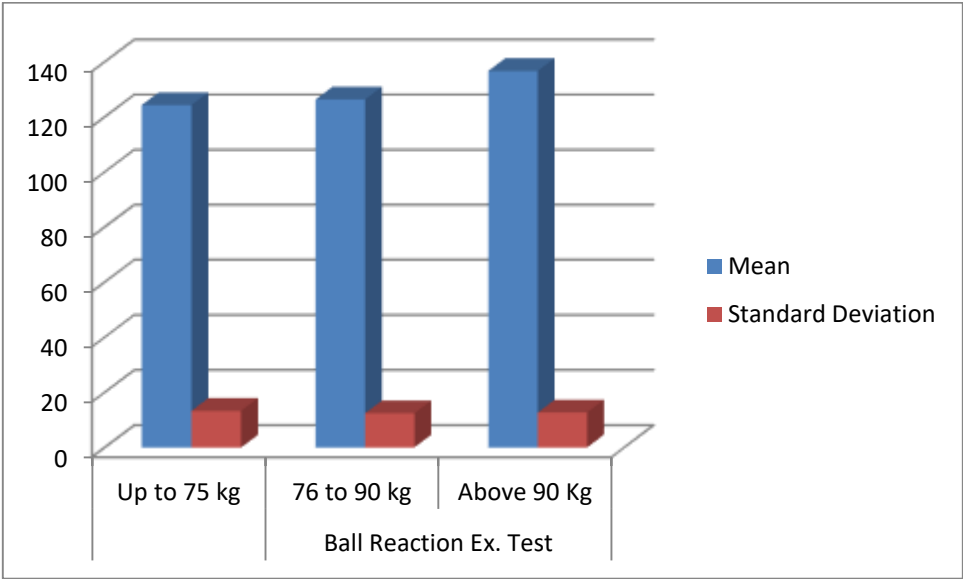


TABLE 4
Percentiles norms of Reaction Ability test
(Ball Reaction Ex. Test) for the male circle style kabaddi players of weight categories

Percentiles				
		UP TO 75 KG	76 to 90 Kg	Above 90 Kg
N	Valid	80	89	47
Percentiles	10	145.57	144.80	152.48
	20	138.24	137.80	149.74
	25	133.83	134.85	148.30
	30	129.61	132.30	146.08
	40	127.8	129.10	140.54
	50	123.5	126.00	136.30
	60	117.76	121.10	135.52
	70	114.25	117.60	130.36
	75	112.13	115.30	127.40
	80	111.3	113.70	125.40
	90	109.54	110.80	118.64
	100	<109.54	<110.80	<118.64

TABLE 5**Grading for Reaction Ability test****(Ball Reaction Ex. Test) of the circle style kabaddi players of weight categories**

Test Variable	Category	Below Average	Average	Above Average	Excellent
Ball Reaction Ex. Test	Up to 75 kg	>133.83	133.83-123.5	123.49 - 112.13	<123.49
	76 to 90 kg	>134.85	134.85-126.00	125.99-115.30	<115.30
	Above 90 Kg	>148.30	148.30-136.30	136.29-127.40	<127.40

Grades for Reaction Ability test**(Ball Reaction Ex. Test) for circle style kabaddi male players of weight categories are as –**

1. In up to 75 kg In Ball Reaction Ex. Test , the scores above >133.83 seconds are considered Below Average, from about 133.83-123.5 seconds is considered Average, 123.49 -112.13 seconds is considered Above average and the scores <115.30 seconds are considered Excellent.
2. In 76 to 90 Kg In Ball Reaction Ex. Test , the scores above >134.85 seconds are considered Below Average, from about 134.85-126.00 seconds is considered Average, 125.99-115.30 seconds is considered Above average and the scores <6.82 seconds are considered Excellent.
3. In Above 90 Kg Ball Reaction Ex. Test , the scores above >148.30 seconds are considered Below Average, from about 148.30-136.30 seconds is considered Average, 136.29-127.40 seconds is considered Above average and the scores <127.40 seconds are considered Excellent.

According to Height Categories:-**TABLE 6****T- TEST for Comparison between different two height categories**

Groups Statistics							
Test Items	Groups	N	Mean	Std. Deviation	Mean difference	Std. Error Difference	't' Value
Ball Reaction Exercise Test	1	87	123.63	12.67	-7.03	1.83	-3.84*
	2	129	130.66	13.53			

Group 1 - up to 175 cm and Group 2 - above 175 cm

N=216 ,df = 214, t value = 3.84• Significance at 0.05 level of confidence.

It can be observed from table 6 that the 't' value of five from selected test is significant at 0.05 level of confidence because the 't' value of selected test is more than the significant value. So there is a need to develop the norms according to the two different height categories.

Descriptive Statistics, Percentile Norms and Grading of Different Height Categories of Selected Specific Physical Fitness Test Items:

Table no. 7 & 8 show the descriptive statistics and percentile norms and table 9, shows the grades according to the performance of the **Reaction Ability test** of the Circle Style kabaddi Male Players for height categories.

TABLE 7

Descriptive statistics of height categories

Test Variable	Category	N	Mean	Std. Deviation	Minimum	Maximum
Ball Reaction Exercise Test	Up to 175 cm	87	123.63	12.67	102.40	153.60
	Above 175 cm	129	130.66	13.53	103.50	158.40

Graphical presentation of Mean and Standard Deviation of height categories

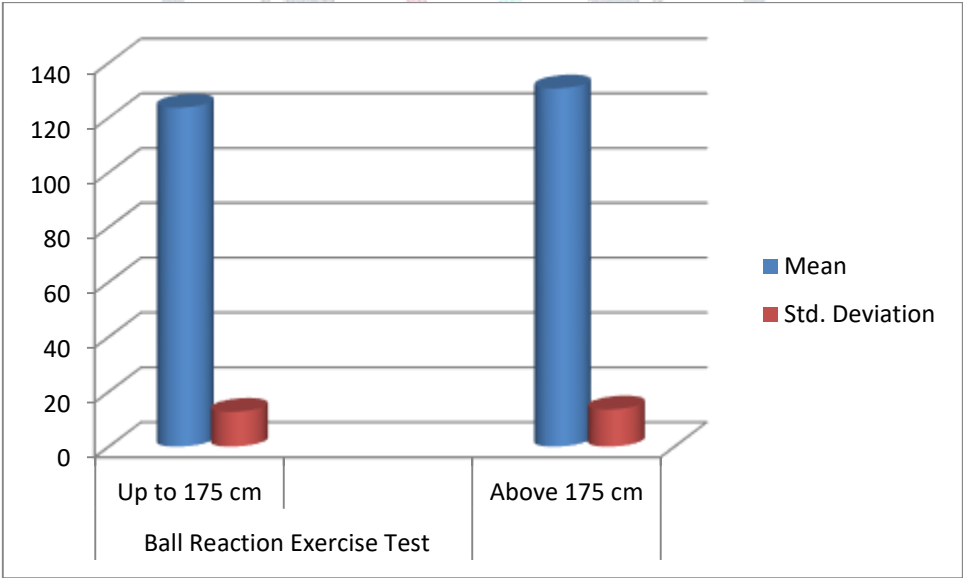


TABLE 8

Percentiles norms of Reaction Ability test (Ball Reaction Ex. Test) for circle style Kabaddi male players according to height categories

Percentile	Up to 175 CM	Above 175 CM
10	144.96	149.80
20	135.04	143.20
25	131.2	139.90
30	128.52	138.60
40	124.5	134.90
50	121.3	129.70
60	117.58	127.40
70	113.86	122.30

75	113.2	119.05
80	111.76	116.30
90	109.82	110.80
100	<109.82	<110.80

TABLE 9**Grading for height categories of circle style kabaddi players**

Test Variable		Below Average	Average	Above Average	Excellent
Ball Reaction Ex. Test	UP to 175 CM	>131.2	131.2-121.3	121.29-113.2	<113.2
	Above 175 CM	>139.90	139.90-129.70	129.69-119.05	<119.05

Grades for Reaction Ability test (Ball Reaction Ex. Test) for circle style kabaddi male players of height category up to 175 cm are as –

1. In up to 175 cm, the scores above >131.2 seconds are considered Below Average, from about 131.2-121.3 seconds is considered Average, 121.29-113.2 seconds is considered Above average and the scores <113.2 seconds are considered Excellent.
2. In above 175 cm, the scores above >139.90 seconds are considered Below Average, from about 139.90-129.70 seconds is considered Average, 129.69-119.05 seconds is considered Above average and the scores <119.05 seconds are considered Excellent

Conclusion

Percentile norms and grades for Reaction Ability test (Ball Reaction Ex. Test) of circle style kabaddi players according to weight and height categories were constructed, percentile scale seems to be appropriate because the highest performance in the test item receives the maximum score where-as the lowest performance in the Ball Reaction Ex. Test receives the minimum score. Thus this type of scale is only suitable for the sample selected. The results reveals that the performance can easily be divided into four categories, i.e. below average, average, above average and excellent without facing any difficulties.

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Raw Data -

Weight Categories

Up to 75 Kg	weight	BRE Test		76 to 90 Kg	Weight	BRE Test		Above 90 KG	Weight	BRE Test
Parminder Singh	75	103.5		Sukhdeep Singh	85	118.1		Avtar Singh	95	127.4
Pardeep Singh	75	131.2		Sandeep singh	83	138.4		Rajakaranveer Singh	100	140.7
Balkam Singh	70	123.8		Gurpreet Singh	86	106.2		Asif Mohmmad	95	114.9
Gagandeep Singh	65	127.8		Satnam Singh	85	120.3		Jaspinder Singh	94	136.2
Karanbarinder Singh	70	120.3		Jaskirat singh	82	129.1		Ramanpreet Singh	93	150.8
Gagandeep Singh	72	102.4		Mandeep Singh	80	153.6		Preetpal Singh	95	158.4
Gursewak Singh	75	110.8		Gursimran Singh	84	132.2		Jaskirt Singh	98	126.2
Rajwinder Singh	75	128.1		Sandeep Singh	80	142.4		Rupinder Singh	109	142.4
Vatandeep Singh	65	114.6		Harmanjit Singh	85	152.3		Manjobanjeet Singh	95	132.7
Hardeep Singh	75	110.4		Balwant singh	78	113.7		Hardeep Singh	92	121.9
Jasmeet Singh	73	152.6		Amtojsran	81	146.5		Amansud	94	136

Darshan Singh	64	118.3		Karmjit Singh	82	118.5		Honey Deol	95	136.5
Baljit Sharma	70	126.8		Tejinder Singh	88	114.4		Gurpinderjit Singh	95	146.6
Harmeet Singh	75	132.7		Saranpreet Singh	78	122.3		Arabdeep Singh	99	139.9
Karanpreet Singh	68	123.2		Ravandeep Singh	76	144.8		Nirmal Singh	106	133.7
Jagmeet Singh	65	115.9		Pawandeep Singh	80	117.6		Dilsher Singh	100	148.5
Balwant Singh	64	110.3		Jaspal Singh	86	129.5		Karamjit Singh	104	143.2
Parminder Singh	70	138.6		Gurwinder Singh	86	132.3		Jaspal Singh	105	148.3
Satnam Singh	67	117.4		Amritpal Singh	81	138.6		Gurpreet Singh	102	139.4
Shyam Sunder	63	116.3		Mandeep Singh	79	129.2		Gurlal Singh	120	147.1
Sarabjit Singh	67	102.7		Amritveer Singh	78	139.4		Jugraj Singh	109	135.5
Mandeep Singh	74	120		Sulinder Singh	80	108.3		Lovepreet Singh	103	141.6
Major Singh	69	128.2		Harmanpreet Singh	80	134.9		Maninder Singh	104	124.2
Amanpreet Singh	72	111.2		Satpal Singh	85	123.1		Jaimal Singh	92	136.3
Kuldeep Singh	68	119.5		Karanpreet Singh	85	131.7		Gurdas Singh	91	136.1
Sukhwant Singh	66	121.3		Sarbjit Singh	85	129.4		Kulwinder Singh	103	145.3
Karanbir Singh	64	110.8		Gursajjan Singh	82	131.4		Sandeep Singh	96	135.6
Arandeep Singh	65	148		Amritpal Singh	84	129.5		Kawaljit Singh	105	139.2
Akashdeep Singh	74	138.9		Robinpreet Singh	84	116.3		Jugraj Singh	101	132.2
Raman Kumar	74	149.7		khusdeep Singh	82	127.4		Sapinder Singh	95	115.2
Sukhwinder Singh	75	135.1		Amritpal Singh	78	121		Vizen Kumar	95	120.4
Pargat Singh	75	109.3		Ramandeep Singh	80	135		Punjab Singh	101	154.7
Angrej Singh	72	124.1		Devinder Singh	83	134.5		Sheetal Singh	93	149.9
Jaskiranjit Singh	75	129.7		Rajwant Singh	85	109.6		Kulwinder Singh	105	131.8
Manjinder Singh	70	118.4		Rajwinder Singh	84	124.7		Mandeep Singh	92	129.4
Ravinderpal Singh	75	126.8		Hardavinder Singh	78	111.8		Parminder Singh	92	127.4
Mandeep Singh	75	130		Gurik Singh	78	136.4		Harjinder Singh	97	152.8
Paramjit Singh	72	111.8		Jagpal Singh	78	154.3		Gurkarpal Singh	102	157.4
Malkit Singh	70	109.4		Inderjeet Singh	80	128.6		Jaspreet Singh	91	129.4
Jasbir Singh	70	116.7		Sukhpreet Singh	83	108.5		Jashandeep Singh	93	150
Arjun Singh	68	107.2		Amritpal Singh	82	110.2		Vikram	98	119.5
Manpreet Singh	70	128.4		Satnam Singh	78	126.3		Harinder Singh	91	149.8
Kamalpreet Singh	75	139.1		Sukhchain Singh	85	125.8		Ravi Parkash	100	109.9
Parminder Singh	62	129.4		Sukhpreet Singh	82	112.9		Amandeep	94	119.6

Gurdeep Singh	73	136.8		Randhir Singh	84	126.4		Sonu	95	109.2
Gurwinder Singh	73	146.2		Amanjot Singh	78	126.5		Ramesh Kumar	101	152.4
Kulwinder Singh	73	128.4		Iqbal Singh	81	135.2		Vikki Singh	95	149.7
Kulwinder Singh	70	115.4		Manpreet Singh	78	134.8				
Sukhjeet Singh	70	149.7		Amandeep Singh	82	146.7				
Chand Singh	68	124.1		Anil Kumar	85	116.2				
Harman Singh	72	113.2		Gurdeep Singh	76	111.3				
Lakhveer Singh	70	139.4		Sonu	85	119.7				
Sukhveer Singh	71	118.5		Tinka	80	121.1				
Amarpreet Singh	70	135.2		Parveen	85	122.4				
Gurtej Singh	75	143.5		Yadvinder Singh	84	123				
Rupinder Singh	73	149		Gurjinder Singh	82	110.8				
Gurwinder Singh	73	149.7		Naresh Kumar	78	110.1				
Harjaspreet Singh	72	144.8		Naresh	80	124.1				
Pawanvir Singh	67	116.1		Anuj	81	111.5				
Surinder Singh	70	145.3		Anuj Lohan	80	118.4				
Naresh Kumar	75	110.7		Jaydeep	80	113.4				
Ankush	71	134.2		Ashish	80	111.5				
Gourav	74	139.5		Naveen	82	118.6				
Deepak	75	145.6		Jagdeep	82	138.2				
parveen	72	110.1		Robin	81	139.9				
Vijay Goyat	71	112		Rakesh	83	142.3				
Parvesh	72	109.5		Sukhbir	76	110.8				
Amit Kumar	68	109.1		Ankit Kumar	78	117.2				
Kuldeep	70	114.1		Amit	78	154.9				
Ajay	60	126.2		Harmanpreet Singh	90	126				
Dinesh	62	111.7		Manjot Singh	90	148.2				
Hari Ram	72	112		Gurpreet Singh	90	127.8				
Mohit Shukla	70	128.3		Mandeep Singh	90	137.8				
Nikit	57	124.6		Manpreet Singh	90	127.7				
Sahil	59	115.8		Balraj Singh	89	134.3				
Hemant Kumar	65	113.5		Manpreet Singh	90	142				
Subham	63	112.5		Lovejinder Singh	90	120.4				

Sunny	61	109.9		Manjinder Singh	90	110.6				
Aman Kumar	68	129.4		Harmandeep Singh	89	114.9				
Gaurav Kamboj	57	127.8		Bhupinder Singh	88	113.6				
				Gurmeet Singh	90	115.1				
				Ramandeep Singh	89	114.6				
				Gurlamber Singh	86	129.7				
				Gurparkash Singh	88	128.5				
				Jaspreet Singh	89	151.2				
				Sonu Kumar	88	112.4				
				Ramesh	87	115.5				
				Mohan	90	132.3				
				Mohan	90	124.7				

Data - Height Categories

above 175 cm	Height	BRE Test		upto 175 cm	Height	BRE Test
Sukhdeep Singh	180	118.1		Sandeep singh	170	138.4
Avtar Singh	180	127.4		Pardeep Singh	173	131.2
Parminder Singh	180	103.5		Balkarn Singh	168	123.8
Gurpreet Singh	183	106.2		Mandeep Singh	173	153.6
Rajakaranveer Singh	180	140.7		Gagandeep Singh	168	127.8
Satnam Singh	180	120.3		Gagandeep Singh	168	102.4
Asif Mohmmad	180	114.9		Vatandeep Singh	170	114.6
Harmanpreet Singh	180	126		Darshan Singh	168	118.3
Jaskirat singh	180	129.1		Baljit Sharma	173	126.8
Karanbarinder Singh	175	120.3		Karanpreet Singh	173	123.2
Gursimran Singh	183	132.2		Jagmeet Singh	173	115.9
Gursewak Singh	175	110.8		Balwant singh	173	113.7
Rajwinder Singh	175	128.1		Satnam Singh	173	117.4
Sandeep Singh	183	142.4		Shyam Sunder	165	116.3

Jaspinder Singh	178	136.2		Sarabjit Singh	160	102.7
Harmanjit Singh	183	152.3		Mandeep Singh	170	120
Hardeep Singh	178	110.4		Major Singh	173	128.2
Jasmeet Singh	180	152.6		Amanpreet Singh	170	111.2
Ramanpreet Singh	180	150.8		Kuldeep Singh	173	119.5
Preetpal Singh	175	158.4		Sukhwant Singh	165	121.3
Manjot Singh	175	148.2		Arandeep Singh	165	148
Jaskirt Singh	188	126.2		Raman Kumar	168	149.7
Harmeet Singh	180	132.7		Ravandeep Singh	173	144.8
Balwant Singh	175	110.3		Sukhwinder Singh	170	135.1
Amtojsran	180	146.5		Hardeep Singh	173	121.9
Parminder Singh	178	138.6		Pargat Singh	170	109.3
Karmjit Singh	175	118.5		Angrej Singh	170	124.1
Tejinder Singh	178	114.4		Karanpreet Singh	173	131.7
Rupinder Singh	180	142.4		Manjinder Singh	170	118.4
Karanbir Singh	175	110.8		Ravinderpal Singh	173	126.8
Akashdeep Singh	175	138.9		Mandeep Singh	173	130
Saranpreet Singh	177	122.3		Balraj Singh	168	134.3
Manjobanjeet Singh	178	132.7		Malkit Singh	170	109.4
Pawandeep Singh	178	117.6		Jasbir Singh	170	116.7
Jaspal Singh	178	129.5		Arjun Singh	170	107.2
Gurwinder Singh	178	132.3		Manpreet Singh	165	128.4
Amritpal Singh	178	138.6		Manjinder Singh	168	110.6
Mandeep Singh	180	129.2		Amritpal Singh	173	121
Amritveer Singh	178	139.4		Parminder Singh	168	129.4
Amansud	180	136		Ramandeep Singh	168	135
Sulinder Singh	178	108.3		Gurwinder Singh	173	146.2
Harmanpreet Singh	178	134.9		Kulwinder Singh	165	128.4
Gurpreet Singh	178	127.8		Kulwinder Singh	170	115.4
Honey Deol	188	136.5		Hardavinder Singh	168	111.8
Gurpinderjit Singh	183	146.6		Sukhjeet Singh	170	149.7

Satpal singh	178	123.1		Chand Singh	168	124.1
Jaskiranjit Singh	178	129.7		Harman Singh	170	113.2
Mandeep Singh	178	137.8		Lakhveer Singh	173	139.4
Manpreet Singh	178	127.7		Amarpreet Singh	173	135.2
Sarbjit Singh	178	129.4		Inderjeet Singh	173	128.6
Arabdeep Singh	183	139.9		Rupinder Singh	173	149
Nirmal Singh	183	133.7		Sukhpreet Singh	173	108.5
Dilsher Singh	178	148.5		Satnam Singh	170	126.3
Karamjit Singh	178	143.2		Harjaspreet Singh	173	144.8
Jaspal Singh	180	148.3		Sukhpreet Singh	173	112.9
Gurpreet Singh	180	139.4		Pawanvir Singh	170	116.1
Gurlal Singh	198	147.1		Bhupinder Singh	173	113.6
Jugraj Singh	180	135.5		Iqbal Singh	173	135.2
Lovepreet Singh	178	141.6		Manpreet Singh	173	134.8
Maninder Singh	180	124.2		Jaspreet Singh	173	151.2
Jaimal Singh	178	136.3		Naresh Kumar	165	110.7
Paramjit Singh	178	111.8		Gurdeep Singh	173	111.3
Gursajjan Singh	183	131.4		Sonu	170	119.7
Amritpal Singh	180	129.5		Tinka	170	121.1
Gurdas Singh	180	136.1		Parveen	173	122.4
Manpreet Singh	179	142		Yadvinder Singh	173	123
Kulwinder Singh	183	145.3		Gourav	173	139.5
Sandeep Singh	180	135.6		Naresh Kumar	168	110.1
Lovejinder Singh	180	120.4		Naresh	165	124.1
Kawaljit Singh	183	139.2		Anuj	168	111.5
Jugraj Singh	183	132.2		Deepak	165	145.6
Robinpreet singh	183	116.3		Anuj Lohan	173	118.4
khusdeep Singh	180	127.4		Jaydeep	173	113.4
Sapinder Singh	183	115.2		parveen	173	110.1
Vizen Kumar	175	120.4		Vijay Goyat	173	112
Punjab Singh	180	154.7		Rakesh	173	142.3

Kamalpreet Singh	180	139.1		Parvesh	173	109.5
Gurdeep Singh	183	136.8		Amit Kumar	170	109.1
Sheetal Singh	180	149.9		Kuldeep	170	114.1
Kulwinder Singh	188	131.8		Dinesh	170	111.7
Devinder Singh	175	134.5		Mohit Shukla	173	128.3
Rajwant Singh	175	109.6		Nikit	170	124.6
Rajwinder Singh	175	124.7		Sahil	168	115.8
Mandeep Singh	180	129.4		Hemant Kumar	165	113.5
Sukhvinder Singh	175	118.5		Subham	170	112.5
Gurik Singh	175	136.4		Sunny	173	109.9
Harmandeep Singh	180	114.9		Aman Kumar	170	129.4
Jagpal Singh	175	154.3				
Gurtej Singh	180	143.5				
Amritpal Singh	178	110.2				
Parminder Singh	180	127.4				
Sukhchain Singh	180	125.8				
Gurwinder Singh	183	149.7				
Randhir Singh	180	126.4				
Amanjot Singh	183	126.5				
Harjinder Singh	180	152.8				
Gurkarpal Singh	185	157.4				
Gurmeet Singh	180	115.1				
Ramandeep Singh	178	114.6				
Jaspreet Singh	175	129.4				
Surinder Singh	175	145.3				
Gurlamber Singh	180	129.7				
Gurparkash Singh	180	128.5				
Jashandeep Singh	178	150				
Amandeep Singh	175	146.7				
Sonu Kumar	175	112.4				
Anil Kumar	183	116.2				

Vikram	180	119.5				
Ankush	175	134.2				
Harinder Singh	178	149.8				
Gurjinder Singh	178	110.8				
Ravi Parkash	180	109.9				
Ramesh	180	115.5				
Amandeep	183	119.6				
Sonu	180	109.2				
Ramesh Kumar	188	152.4				
Mohan	175	132.3				
Vikki Singh	183	149.7				
Mohan	175	124.7				
Ashish	175	111.5				
Naveen	178	118.6				
Jagdeep	180	138.2				
Robin	183	139.9				
Sukhbir	178	110.8				
Ankit Kumar	178	117.2				
Amit	175	154.9				
Ajay	175	126.2				
Hari Ram	175	112				
Gaurav Kamboj	175	127.8				