

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

### Bill of Quantities/Price Schedule

**Lot 1.** Supply of Spare Parts for Heavy and Light Vehicle and Maintenance work for FY 2018-2019

Sl. No.	Description	Tipper 16 HRD TY	Scorpio	Bolero DC NEF 4	Tractor 55 HP
		Model 2016	Model 2010	Model 2017	Model 2017
<b>A-FUEL SYSTEM</b>					
1	Air filter big				
2	Air filter small				
3	Fuel filter				
4	Oil filter				
5	Water sep. filter				
<b>B-TRANSMISSION</b>					
1	Axle oil seal rear/front				
2	Axle bearing				
3	Bearing differential inner				
4	Bearing differential side gear				
5	Bearing front wheel inner				
6	Bearing front wheel outer				
7	Bearing rear axle/wheel				
8	Bearing rear differential front/outer				
9	Center bearing				
10	Center bearing assy				
11	Clutch hub				
12	Clutch kit				
13	Clutch master assy				
14	Clutch master assy cap				
15	Clutch master cy assy				
16	Clutch master cyl.kit				
17	Clutch plate				
18	Clutch release bearing				
19	Clutch release cyl.kit				

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20	Clutch release fork				
21	clutch/brake pedal bracket				
22	Cross bearing				
23	CV joint boot outer/inner				
24	CV joint shaft assy				
25	CV joint assy. LH				
26	CV joint assy. RH				
27	CV joint lock				
28	CV joint washer				
29	Front axle cone stud bolt				
30	Front axle oil seal inner				
31	Front axle oil seal outer				
32	Front popular shaft				
33	Front wheel check nut				
34	Front wheel check nut lock				
35	Front wheel check nut washer				
36	Inner oil seal rear wheel				
37	Kingpin bearing				
38	Knuckle oil seal set				
39	Lock free wheel hub				
40	Main bearing oil seal				
41	Hub oil seal front				
42	Hub oil seal rear				
43	Oil seal rear axle inner				
44	Oil seal rear axle outer				
45	Oil seal steering worm gear				
46	Pressure plate				
47	Propeller flange				
48	Propeller shaft assy (f)				
49	Propeller shaft assy (r)				
50	Propeller shaft bearing				

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51	Propeller shaft yoke				
52	Release bearing				
53	Rear axle cone				
54	Rear bearing outer race				
55	Stud bolt front axle hub				
56	Wheel bolt (front)				
57	Wheel bolt rear				
58	Wheel nut				
<b>D-BRAKE</b>					
1	Bearing vacuum pump				
2	Blade vacuum pump				
3	Brake caliber pin with piston				
4	Brake bleeder screw				
5	Brake booster assy				
6	Brake booster kit				
7	Brake disc assy				
8	Brake disc cutting				
9	Brake hubs LH/RH				
10	Brake line pipe				
11	Brake master cyl. Assy				
12	Brake master cyl. Kit				
13	Brake pad rear				
14	Brake pad front				
15	Brake pad				
16	Brake pad lock				
17	Brake shoe				
18	Brake shoe lock				
19	Brake piston				
20	Caliber Pin				
21	Cap assy brake master cyl.				
22	Cyl. Wheel rear kit				

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

23	Front disc brake cyl. Kit				
24	Hand brake cable (F)				
25	Hand brake cable (R)				
26	Hand brake shoe				
27	KM cable				
28	O ring vacuum pump				
29	Parking brake pad				
30	Rear wheel Cyl. RH/LH				
31	Vacuum pipe				
32	Vacuum pump kit				
33	Wheel cyl. Brake master kit				
<b>E-STEERING</b>					
1	Draglink assy				
2	Draglink kit				
3	Idler arm assy				
4	Kingpin bush				
5	Rod sub assy tie LH/RH				
6	Steering knuckle arm LH				
7	Steering knuckle arm RH				
8	Steering main shaft bush				
9	Steering rack and assy				
10	Steering sector shaft oil seal				
11	Steering wheel				
12	Steering worm gear oil seal				
13	Steering yoke				
14	Tie rod end sub assy LH/RH				
<b>F-SUSPENSION</b>					
1	Arm bush				
2	Ball joint LWR LH				
3	Ball joint LWR RH				
4	Ball joint UPR LH				

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DCHS, DoC, MoHCA

5	Ball joint UPR RH				
6	Bush Front suspension bush UPR front				
7	Bush Front suspension bush UPR rear				
8	Center bolt and nut				
9	Control arm bush LWR				
10	Control arm UPR/ LWR				
11	Cushion link front stabilizer				
12	Cushion shock absorber front				
13	D bush				
14	Front stabilizer bar				
15	Front stabilizer bar bush				
16	Front suspension arm assy UPR LH				
17	Front suspension arm assy UPR RH				
18	Front suspension bush LWR RH/LH				
19	Link bush				
20	Link rod				
21	Link front stabilizer				
22	Link rear stabilizer				
23	Link stabilizer bushing				
24	Shackle inner plate				
25	Shock absorber bush/cushion R/F				
26	Shock absorber retainer washer				
27	Shock absorber front each				
28	Shock absorber rear each				
29	shocker mountain				
30	Spring bumper				
31	Spring clip				
32	Spring bush				
33	Spring U bolt				
34	Spring front main or first leaf				
35	Spring front main or fourth leaf				

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DCHS, DoC, MoHCA

36	Spring front main or second leaf				
37	Spring front main or third leaf				
38	Spring rear fifth leaf				
39	Spring rear fourth leaf				
40	Spring rear main leaf				
41	Spring rear second leaf				
42	Spring rear seventh leaf				
43	Spring rear sixth leaf				
44	Spring rear third leaf				
45	Spring rubber bushing				
46	Spring shackle pin				
47	Spring shackle plate				
48	Stabilizer bar				
49	Stabilizer bush D-type				
50	Stabilizer link rod				
51	Suspension arm with ball joint assembly(upper/Lower)				
52	Suspension arm bush				
53	Torsion bar assy				
54	Torsion bar Nut and bolt				
55	U-bolt				
<b>G-ELECTRICAL SYSTEM</b>					
1	Back light assy rear RH/LH				
2	Back light bulb (double point)				
3	Back light bulb (single point)				
4	Back light cover				
5	Battery				
6	Battery terminal end				
7	Bearing self starter front				
8	Bearing self starter rear				
9	Bendex pinion starter				

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10	Bush connecting rod				
11	Clutch sub. Assy atarter				
12	Cut out starter				
13	Flasher indicator				
14	Fog light assy				
15	Fogi lamp double point				
16	Fuse 10A				
17	Fuse 15A				
18	Fuse 20A				
19	Fuse 7.5A				
20	Fuse 80A				
21	Head lamp assy RH/LH				
22	Head lamp bulb				
23	Heater pipe outer/inner				
24	Horn set				
25	Indicator light assy Front RH/LH				
26	Indicator side light bulb				
27	Lamp assy combination RH/LH				
28	Lens front indicator assy RH/LH				
29	Lens front turn signal lamp LH/RH				
30	Lens Rear combination lamp RH/LH				
31	Radio antenna/arial				
32	Reflector light				
33	Regulator voltage				
34	Relay glow plug				
35	Relay head lamp				
36	Relay starter				
37	Side light assy				
38	Wiper arm				
39	Wiper blade set				
<b>H-BODY PARTS</b>					

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1	Bonet stopper lock				
2	Bumper bracket				
3	Bumper front assy.				
4	Bumper lock				
5	Bumper rear assy.				
6	Door front RH/LH				
7	Door head lamp RH/LH				
8	Door lock and key front RH/LH				
9	Door lock and key rear RH/LH				
10	Door rear RH/LH				
11	Dicky bush				
12	Fuel tank filler cap				
13	Glass front door RH/LH (with vent window)				
14	Glass rear door RH/LH				
15	Handle for seat				
16	Handle for window / door				
17	Handle front door inner RH/LH				
18	Handle front/rear door outer RH/LH				
19	Handle rear door outer RH/LH				
20	Mirror LH				
21	Mirror RH				
22	Radiator grill				
23	Radiator mtg/hood				
24	Rear seated glass				
25	Rear view mirror				
26	Regulator assy front / rear door RH/LH				
27	Side mirror				
28	Wind shield glass				
29	Wind shield gum				
30	Wind shield glass paste/rubber				
<b>I-ACCESSORIES</b>					



## Dzong Construction Project, Sarpang

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1	Anabond paste				
2	Bonet gum				
3	Floor mat grass type per sqft				
4	Foot mat bucket type per mat				
5	Foot mat plain type per mat				
6	Rain guard				
7	Steering cover				
8	Wheel cover				
9	Wind shiled gum				
<b>J- LUBRICANT</b>					
1	Anti freeze coolant				
2	Brake/clutch fluid (dot 3) per ltr				
3	Coolant per ltr				
4	Dash board polish				
5	Decarbon				
6	Distilled Water				
7	Flushing fluid per ltr				
9	Grease per kg				
10	Gear oil per ltr				
11	Power steering fluid per ltr				
12	Robin polish				
13	Engine oil per ltr				
14	Wax pol body polish				
15	Mobile per ltr				

### RATE FR SERVICE/LABOUR CHARGE

Sl.No.	Description	Rate for Heavy Vehicle	RateforMediumVehicle	Rate for LightVehicle
1	Air filter big			
2	Air filter small			
3	Fuel filter			

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

4	Oil filter			
5	Water sep. filter			
<b>B-TRANSMISSION</b>				
1	Axle oil seal rear/front			
2	Axle bearing			
3	Bearing differential inner			
4	Bearing differential side gear			
5	Bearing front wheel inner			
6	Bearing front wheel outer			
7	Bearing rear axle/wheel			
8	Bearing rear differential front/outer			
9	Center bearing			
10	Center bearing assy			
11	Clutch hub			
12	Clutch kit			
13	Clutch master assy			
14	Clutch master assy cap			
15	Clutch master cy assy			
16	Clutch master cyl.kit			
17	Clutch plate			
18	Clutch release bearing			
19	Clutch release cyl.kit			
20	Clutch release fork			
21	clutch/brake pedal bracket			
22	Cross bearing			
23	CV joint boot outer/inner			
24	CV joint shaft assy			
25	CV joint assy. LH			
26	CV joint assy. RH			
27	CV joint lock			
28	CV joint washer			

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

29	Front axle cone stud bolt			
30	Front axle oil seal inner			
31	Front axle oil seal outer			
32	Front popular shaft			
33	Front wheel check nut			
34	Front wheel check nut lock			
35	Front wheel checknut washer			
36	Inner oil seal rear wheel			
37	Kingpin bearing			
38	Knuckle oil seal set			
39	Lock free wheel hub			
40	Main bearing oil seal			
41	Hub oil seal front			
42	Hub oil seal rear			
43	Oil seal rear axle inner			
44	Oil seal rear axle outer			
45	Oil seal steering worm gear			
46	Pressure plate			
47	Propeller flange			
48	Propeller shaft assy (f)			
49	Propeller shaft assy (r)			
50	Propeller shaft bearing			
51	Propeller shaft yoke			
52	Release bearing			
53	Rear axle cone			
54	Rear bearing outer race			
55	Stud bolt front axle hub			
56	Wheel bolt (front)			
57	Wheel bolt rear			
58	Wheel nut			

**D-BRAKE**

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

1	Bearing vacuum pump			
2	Blade vacuum pump			
3	Brake caliber pin with piston			
4	Brake bleeder screw			
5	Brake booster assy			
6	Brake booster kit			
7	Brake disc assy			
8	Brake disc cutting			
9	Brake hubs LH/RH			
10	Brake line pipe			
11	Brake master cyl. Assy			
12	Brake master cyl. Kit			
13	Brake pad rear			
14	Bbrake pad front			
15	Brake pad			
16	Brake pad lock			
17	Brake shoe			
18	Brake shoe lock			
19	Brake piston			
20	Caliber Pin			
21	Cap assy brake master cyl.			
22	Cyl. Wheel rear kit			
23	Front disc brake cyl. Kit			
24	Hand brake cable (F)			
25	Hand brake cable (R)			
26	Hand brake shoe			
27	KM cable			
28	O ring vacuum pump			
29	Parking brake pad			
30	Rear wheel Cyl. RH/LH			
31	Vaccum pipe			

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

32	Vaccum pump kit			
33	Wheel cyl. Brake master kit			
<b>E-STEERING</b>				
1	Draglink assy			
2	Draglink kit			
3	Idler arm assy			
4	Kingpin bush			
5	Rod sub assy tie LH/RH			
6	Steering knuckle arm LH			
7	Steering knuckle arm RH			
8	Steering main shaft bush			
9	Steering rack and assy			
10	Steering sector shaft oil seal			
11	Steering wheel			
12	Steering worm gear oil seal			
13	Steering yoke			
14	Tie rod end sub assy LH/RH			
<b>F-SUSPENSION</b>				
1	Arm bush			
2	Ball joint LWR LH			
3	Ball joint LWR RH			
4	Ball joint UPR LH			
5	Ball joint UPR RH			
6	Bush Front suspension bush UPR front			
7	Bush Front suspension bush UPR rear			
8	Center bolt and nut			
9	Control arm bush LWR			
10	Control arm UPR/ LWR			
11	Cushion link front stabilizer			
12	Cushion shock absorber front			
13	D bush			

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

14	Front stabilizer bar			
15	Front stabilizer bar bush			
16	Front suspension arm assy UPR LH			
17	Front suspension arm assy UPR RH			
18	Front suspension bush LWR RH/LH			
19	Link bush			
20	Link rod			
21	Link front stabilizer			
22	Link rear stabilizer			
23	Link stabilizer bushing			
24	Shackle inner plate			
25	Shock absorber bush/cushion R/F			
26	Shock absorber retainer washer			
27	Shock absorber front each			
28	Shock absorber rear each			
29	shocker mountain			
30	Spring bumper			
31	Spring clip			
32	Spring bush			
33	Spring U bolt			
34	Spring front main or first leaf			
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44	Spring rear third leaf			

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

45	Spring rubber bushing			
46	Spring shackle pin			
47	Spring shackle plate			
48	Stabilizer bar			
49	Stabilizer bush D-type			
50	Stabilizer link rod			
51	Suspension arm with ball joint assembly(upper/Lower)			
52	Suspension arm bush			
53	Torsion bar assy			
54	Torsion bar Nut and bolt			
55	U-bolt			
<b>G-ELECTRICAL SYSTEM</b>				
1	Back light assy rear RH/LH			
2	Back light bulb (double point)			
3	Back light bulb (single point)			
4	Back light cover			
5	Battery			
6	Battery terminal end			
7	Bearing self starter front			
8	Bearing self starter rear			
9	Bendex pinion starter			
10	Bush connecting rod			
11	Clutch sub. Assy atarter			
12	Cut out starter			
13	Flasher indicator			
14	Fog light assy			
15	Fogi lamp double point			
16	Fuse 10A			
17	Fuse 15A			
18	Fuse 20A			

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

19	Fuse 7.5A			
20	Fuse 80A			
21	Head lamp assy RH/LH			
22	Head lamp bulb			
23	Heater pipe outer/inner			
24	Horn set			
25	Indicator light assy Front RH/LH			
26	Indicator side light bulb			
27	Lamp assy combination RH/LH			
28	Lens front indicator assy RH/LH			
29	Lens front turn signal lamp LH/RH			
30	Lens Rear combination lamp RH/LH			
31	Radio antenna/arial			
32	Reflector light			
33	Regulator voltage			
34	Relay glow plug			
35	Relay head lamp			
36	Relay starter			
37	Side light assy			
38	Wiper arm			
39	Wiper blade set			
<b>H-BODY PARTS</b>				
1	Bonet stopper lock			
2	Bumper bracket			
3	Bumper front assy.			
4	Bumper lock			
5	Bumper rear assy.			
6	Door front RH/LH			
7	Door head lamp RH/LH			
8	Door lock and key front RH/LH			
9	Door lock and key rear RH/LH			



## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

10	Door rear RH/LH			
11	Dicky bush			
12	Fuel tank filler cap			
13	Glass front door RH/LH (with vent window)			
14	Glass rear door RH/LH			
15	Handle for seat			
16	Handle for window / door			
17	Handle front door inner RH/LH			
18	Handle front/rear door outer RH/LH			
19	Handle rear door outer RH/LH			
20	Mirror LH			
21	Mirror RH			
22	Radiator grill			
23	Radiator mtg/hood			
24	Rear seated glass			
25	Rear view mirror			
26	Regulator assy front / rear door RH/LH			
27	Side mirror			
28	Wind shield glass			
29	Wind shield gum			
30	Wind shield glass paste/rubber			
<b>I-ACCESSORIES</b>				
1	Anabond paste			
2	Bonet gum			
3	Floor mat grass type per sqft			
4	Foot mat bucket type per mat			
5	Foot mat plain type per mat			
6	Rain guard			
7	Steering cover			
8	Wheel cover			
9	Wind shield gum			

## Dzong Construction Project, Sarpang

DCHS, DoC, MoHCA

<b>J- LUBRICANT</b>				
1	Anti freeze coolant			
2	Brake/clutch fluid (dot 3) per ltr			
3	Coolant per ltr			
4	Dash board polish			
5	Decarbon			
6	Distilled Water			
7	Flushing fluid per ltr			
9	Grease per kg			
10	Gear oil per ltr			
11	Power steering fluid per ltr			
12	Robin polish			
13	Engine oil per ltr			
14	Wax pol body polish			
15	Mobile per ltr			

### **Terms and Condition**

- 1 The work shall be awarded by Lot to the lowest evaluated bidder based under Sarpang Dzongkhag for more convenient to the project management to repair the machineries.
- 2 The parts supplied should be as per the specified model and specification.
- 3 Any spare parts supplied and repaired must be durable and original. If any faulty parts are found then the Project Management has right to reject and replace the new spare parts with free maintenance cost.
- 4 If there is any repair and maintenance of Project vehicle then the workshop should prioritize the Project vehicle and maintenance should be done as fast as possible.
- 5 The spare parts should be supplied as soon as the work order is received.
- 6 If there is no response from workshop after a month from receiving of work order then the Management shall place the work order to the second lowest bidder.

**Name of Bidder:**

**Signature of Bidder**