





H.P. Forest Department

# INTEGRATED DEVELOPMENT PROJECT (IDP)

For

Source Sustainability And Climate Resilient Rain-fed Agriculture

Una, Distt. Una, HP

Phone No.Fax: 01975-292077 Email-dpoidpuna@gmail.com

No. IDP /UNA.....

Dated.....

4	HDPE Pipes for irrigation 20 mm	Type: High Density Polyethylene (HDPE) Irrigation Pipes with clump Coverage area: 1 bigha 20 MM			
		25 MM		80%	80%
		38 MM			
		50 MM			
		63 MM			
		75 MM			
		90 MM			
		110 MM			
5	Hose Pipe	Type: Agriculture use Material: PVC Internal Diameter:50mm Length:30m		50%	40%
6	Solar Pump	Solar Pump Pressure: High Pressure Installation Type: Freestanding Motor Type: AC Power: 1 HP Temperature: 50 Degree		90%	80%
B.	Agriculture tools & equipment's/ machines (Automatic/Semi automatic)				
1	Power Tiller (Below 8 HP/8 BHP and Above)	Type: Below 8 HP with cage wheel. standard tools and accessories.		50%	40%
2	Power Weeder	Type: Self Propelled Engine operated Power Weeder. Power Source: Below 2 HP. Fuel: Petrol/Diesel		50%	40%
3	Reaper cum Binder	Type: A reaper binder attached with 7 hp diesel engines suitable for harvesting wheat and rice. Working capacity: 6 katha / hour and cutting width.		50%	40%
4	Knapsack Spray Pumps (Power-operated)	Type: Petrol engine operated power knapsack sprayer Tank capacity (ltr): 13-16 Pressure chamber made of brass Spray Lance made of crass or stainless steel		50%	40%
5	Knapsack Spray Pumps (Battery-operated)	Type: Battery operated knapsack sprayer Tank capacity (ltr): 13-16 Pressure chamber made of brass Spray Lance made of crass or stainless steel		50%	40%
6	Brush Cutter	Type: Self propolled two row power weeder Engine: Petrol Power Source : 1 to 2 HP		50%	40%
C.	Minor Agriculture tools ( Mechanical)				



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1	Knapsack Spray Pumps (Manual)	Type: Manual Hand compression Knapsack Spray Tank capacity (ltr): 13-16 Pressure chamber made of brass Spray Lance made of crass or stainless steel		50%	40%
2	Manually Operated Tool Kit*	Items included Hand Rake, Shovel, Spade, Sickel, Pickaxe, Weed slasher, Khurpi, Hoe etc. *Items in kit can vary depending upon the farmer requirement.		50%	40%
3	Seed treating drum	Type: Manually operated Size: 600 x 350m. Shape: Cylindrical Body Material: Mild Steel Product Weight: 25 kg		50%	40%
4	Drum Seeder (4rows below and 4 above)	Power Source: Hand Operated Row to Row Spacing: 200 mm Number of Rows: 4 Rows Diameter of the Seed Metering Hole: 9 mm		50%	40%
C.	<b>Post Harvest equipment and Machines (Post harvest/Value Chain support)</b>				
1	Vegetable Crates Plastic	Weight : 1.5 kg (min.) Dimensions: 542 L x360W x 390H (OD) (+/- 0.25 to 0.5 %)		50%	40%
2	Kilta Baskets Plastic	Weight : 1.5 kg (min.) Dimensions: 542 L x360W x 390H (OD) (+/- 0.25 to 0.5 %)		50%	40%
3	Kilta Baskets bamboo	Weight : 1.5 kg (min.) Dimensions: 542 L x360W x 390H (OD) (+/- 0.25 to 0.5 %)		50%	40%
4	Winnowing Fan	Type: Power operated Winnowing fan with aluminium blade, pulley, switch, wire, plug pin, protective grill fitted Power Source: 0.5 HP electric motor		50%	40%
5	Maize Sheller	Type: Power operated maize sheller fitted with single phase electric motor. Power Source: 1.0-2.2 Kw Shelling efficiency (%): 95 or more		50%	40%
6	All types of Solar Driers (for all type of horticulture / food grain/oil seeds crops) with floor area of about 400 to 1000 sq. feet.	Solar batch dryer suitable for drying type of horticulture / food grain/oil seeds crops. Drying type: Direct heating capacity per batch with 5 separate cabinets Max temperature 65 degree and min 5 degree Celsius. Inner wall casing is made of SS or aluminum sheet with wooden frame. Tray with aluminum wire.		60%	50%



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7	Tarpaulin (HDPE, 200 GSM, 15 ft X 18 ft)	Material: HDPE Thickness: 200 GSM Dimensions : 15 ft X 18 ft		50%	40%
8	Manual Chaff Cutter	Product Type: Manual Chaff Cutter Machine Body Material : Cast Iron Blades: 2 Cutting material Green & Dry Fodder Cutting Capacity : Up to 200 Kg /hrs. Weight : 75 kg (Approx)		50%	50%
9	Electric Chaff Cutter (2 HP)	Product Type: Chaff Cutter Machine Body Material : MS Body Power Source: Electric Motor Required Motor: 1 to 2 HP Cutting material Green & Dry Fodder, Straw, Corn Stalk, Sugarcane Stalk Cutting Capacity : 300 to 600 kg/hrs.		50%	50%
D.	Other (Items supporting climate smart technology)				
1	Seedling Trays(50/75/90 Cavities)	Type: Seedling tray with 50/75/90 Cavities, plastic tray easy to clean. Suitable for growing vegetable seedlings		50%	40%
2	Poly Tunnels (Size: 3.6 M <sup>3</sup> )	Size: 3.6 M <sup>3</sup> Sheet: 150 Micron (mu) / 600 Gauge		50%	50%
3	Mulching sheets	Type: UV stabilized polyethylene films for mulching sheets Thickness: 100 micron Colour: Black and white Breadth: 120 cm		50%	40%
4	Eco-friendly Light Trap	Insect Type: Moth Pest Control Type: Light Colour: Yellow		50%	40%
5	Pheromone traps	Insect Type: Fruit Fly Trap Material: Plastic Pest Control Type: Pheromone		50%	40%
6	Sticky traps	Insect Type: Houseflies , Moths Material: Plastic Pest Control Type: Pheromone Dimensions: 6 x 8 inch Colour : Yellow		50%	40%
7	Solar light traps	Insect Type: Moth Material: Plastic Pest Control Type: Light Colour: Yellow		50%	40%
8	HDPE Vermibeds (12 ft x4 ft x 2 ft)	Material: HDPE Dimensions: 12 ft x4 ft x 2 ft		50%	50%
D.1	Name of Works				



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1	Roof rain water harvesting structure – individual	Capacity: 9 m3	Dated.....	50%	50%
2	Vermicomposting Pit (15 ft x9 ft x 1.5 ft)	Double Chamber (15 ft x9 ft x 1.5 ft)		50%	50%
3	Vermicomposting Pit (Single Chamber) (10 ft x4 ft x2 ft)	Single Chamber) (10 ft x4 ft x2 ft)		50%	50%
4	Livestock Manger (1.80 x 1 x 1.20 m <sup>3</sup> )	Size (1.80 x 1 x 1.20 m <sup>3</sup> )		50%	50%

## LIST OF ELIGIBLE ITEMS / WORKS, INDICATIVE PRICE LIST (IPL) AND PROJECT SHARE/ CONTRIBUTION

Goods for Group Beneficiaries Indicative Notice for Price Discovery				
Sr. No	Name of Goods/Items (Specification attached)	Specification	Rate in Figure	Project share
<b>A. Irrigation Support (Sprinkle, Drip, Pipes &amp; Pumps etc.)</b>				Vulnerab le
1	Drip irrigation system	Type: Drip irrigation system with all fittings & accessories for close spaced crops Coverage area: 1 bigha Spacing : 2.5 m x 0.6 m (Lateral x Dripper)	80	80
2	Drip irrigation system	Type: Drip irrigation system with all fittings & accessories for close spaced crops Coverage area: 1 bigha Spacing 1.2 m x 0.6 m (Lateral x Dripper)	80	80
3	Sprinkler irrigation system	Type: Sprinkler set for portable sprinkler irrigation system Coverage area: 1 bigha	80	80



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4.	HDPE Pipes for irrigation 20 mm	Type: High Density Polyethylene (HDPE) Irrigation Pipes Coverage area: 1 bigha 20 MM 25 MM 38 MM 50 MM 63 MM 75 MM 90 MM 110 MM		80%	80%
5	Hose Pipe	Type: Agriculture use Material: PVC Internal Diameter:50mm Length:30m		50%	40%
6	Solar Pump	Solar Pump Pressure: High Pressure Installation Type: Freestanding Motor Type: AC Power: 1 HP Temperature: 50 Degree		90%	80%
<b>B Agriculture tools &amp; equipment's/ machines (Automatic/Semi-automatic)</b>					
1.	Power Tiller (below 8 BHP)	Type: Below 8 HP with cage wheel, standard tools and accessories.		50	40
2.	Power Weeder (Below 2BHP)	Type: Self Propelled Engine operated Power Weeder, Power Source: Below 2 HP. Fuel: Petrol/Diesel		50	40
3.	Reaper-cum-binder	Type: A reaper binder attached with 7 hp diesel engines suitable for harvesting wheat and rice. Working capacity: 6 katha / hour and cutting width.		50	40
4.	Disc/ MB Plough	No. of plough bottoms : 2 - 4 Length (mm):1778-2392, Width (mm) : 889-1194, Height(mm): 1092-1092, Weight (kg): 253-386 Capacity (ha/day) : 1.5-2.0 Power requirement(hp/kW): 30-40 /22.5-30, tractor		50	40
5.	Cultivator	Shovel type cultivator Number of tynes : 7-11 Cutting width(mm): 1500-2400 Cutting depth (mm) : 175-225 Weight(kg) : 127-350 Power requirement (hp/kW) : 25-60/18.75-45, tractor		50	40



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6.	Harrow	Number of Disc -12 Implement power 35 HP Cutting Width (MM) 1100 Total Weight (Kg) 440		50	40
7.	Leveller Blade	Length( mm) 1840, Width (mm) 700, Height (mm) 700, Size of Blade (mm) -Length 1830 - Width 75 -Thickness 8 -Weight (kg) 90 Power requirement (hp/kW) : 35/26.25, tracto		50	40
8.	Furrow Opener	Overall dimensions 2020x 2050 x 1100 mm ii. Weight 370 kg iii. No. of furrows 2 iv. Row and hill spacing Adjustable Capacity, ha/day 3.2		50	40
9.	Reversible Mechanical Plough	Length (mm) Working Width (mm) Weight (kg) Plough bottom Working Depth Under frame Clearance Inter body Clearance Reversing mechanism Speed of operation (km/h) Area covered (ha / h) Field efficiency (%) : 320 : 609/ 914 : 375/ 475 : two bottom ( two on each side)/ three bottom (Three on each side) : 203 mm - 355 mm : 700 mm : 850mm : Hydraulically/ Mechanically operated : 3 to 4 : 0.20 to 0.25 : 90 Power requirement (hp) : 55 & Above		50	40
10.	Chisel Plough	Number of Disc -5, Disc Dia (mm)- 12 Inch , Depth of Cut- 12 Inch, Overall Length- 70 inch, Overall Width -27 inch, Overall Height- 20 inch, Total Approx Weight (kg) - 280 kg, Suitable HP Range - 35 HP		50	40



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11.	Strip Till Drill	<b>specifications</b> Length (mm) 1960-2310Width (mm) 970-1560Height (mm) 1070-1350Seed metering mechanism - Fluted rollerFertilizer metering mechanism - Gravity Fed With an agitatorPower transmission -Chain and sprocketsFurrow opener - Inverted T -type /reversible shovelNumber of flanges on the rotary - 9-11Number of blades on each flange - 6Type of blade - C TypeOpening width of blade (mm) -75Number of furrow opener - 9-11Size (diameter), mm and number of flutes - 42.7-49.2 and 9-11Seed box capacity (cm3) - 66241-10308Fertilizer box capacity (cm3) - 63310-10141Ground wheel diameter (mm) - 390-450Weight (kg) - 220-330Source of power (hp/kW) - 35-45 /26.25- 33.75, Tractor		50	40
12.	Seed Drill	<b>Specifications</b> Length (mm): 1940-2310 Width (mm): 970-1560 Height (mm): 1070-1350 Seed metering mechanism: Fluted roller Fertilizer metering mechanism: Gravity feed with agitator Number of furrow opener: 9-13 Furrow opener: Reversible shovel Size of feed shaft (mm): 16-19 Size (diameter) and number of flutes: 42.7-49.2 and 9-11 Seed box capacity (cm3) - 66241-10308 Fertilizer box capacity (cm3) - 63310-10141 Weight (kg) - 224-328 Source of power (hp/kW) - : 35/26.25, tractor		50	40





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13.	Multi Crop Planter	<p>Specifications:</p> <p>Length (mm): 970</p> <p>Width (mm): 2350</p> <p>Height (mm): 1120</p> <p>Number of rows in planter attachment - 6 (maximum)</p> <p>Seed metering mechanism: Inclined plate with cell</p> <p>Fertilizer metering : Adjustable opening with agitators</p> <p>Furrow opener: Reversible shovel</p> <p>Seed hopper capacity (kg) : 10-20 for different crops</p> <p>Power transmission : Chain and sprockets and bevel gears</p> <p>Source of power (hp/kW) - 35/26.25, tractor</p>		50	40
14.	Turbo Seeder- Happy Turbo Seeder	<p>Specifications of turbo happy seeder 1. Horse Power Requirement : 45-55 hp tractor with double clutch 2. Capacity, ha/hr. : 0.25-0.35 ha/hr 3. Weight of machine : 500-550 kg 4. Working width of machine : 2.0-2.5 m 5. Row to row distance : 225 mm 6. No. of rows : 9-12 7. Type of Furrow openers : Inverted 'T' type 8. Rotor drum diameter : 750 mm 9. Rotor diameter : 140 mm 10. Window area : 0.200 x 0.450 = 0.09 m<sup>2</sup> (C/s area between two furrow openers) 11. Ground clearance of furrow opener with working PTO : 0.30 m 12. Rotor rpm : 1360 rpm at 540 rpm of tractor PTO 13. Types of flail blades : Reversible straight gamma type 14. Flails length from rotor surface : 240 mm 15. Blade length : 165 mm 16. Bottom width of blade : 85 mm 17. Top width of blade : 50 mm 18. Blade Overlap with furrow openers : 60 mm 19. Horizontal clearance between the edges of the blades : 75 mm 20. No. of Depth wheels : Two nos. with adjustable depths 21. Minimum Diameter of Ground Wheel : 550 mm 22. No. of lugs on periphery of GW : 15 (with sharp and long edges)</p>		50	40



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15.	Rotavator	Weight (kg) : 230-310, Working width (mm) : 1200-1720, Working depth (mm) : 80-100, Rotor speed (rpm) : 210-240, Capacity (ha/hr) : 0.38-0.5, Power Source(hp/kW) : 30-65 /37.5-48.75, tractor	50	40
16.	Potato Digger	Power -35-50 HP, Weight 900 KG, Power source Self Propelled Crop Potato, Grain tank capacity 150 KG Power Harvesting	50	40
17.	Tractor Drawn Reaper	Specifications : Product Type : Tractor Operated Reaper Brand : Made in India Material : Iron Driven by : Tractor Application : Cutting wheat, paddy soyabean etc. Required Power : Tractor of more than 25 HP Fitting Type : Hydraulic Jack Fitting Position : Front Rear Fitting in Tractor Cutting Capacity : 10 to 12 acres per day	50	40
18.	Zero Till Seed Cum Fertilizer Drill	Specifications : Model No. : 11 Row (1+1) Model TypeProduct Type : Seed cum Fertilizer DrillBrand : Made In IndiaDriven by : TractorNo. of Teeth : 11No. of Pipes : 22Row to Row Spacing : 9 InchSowing Depth : 2-6 InchHopper Capacity : 60 Kg Require Tractor : 35 HPWeight : 375 Kg (Approx.)	50	40
19.	Ridge Furrow Planter	Specifications : Product Type : Agricultural Ridger Brand : Made in India Furrow : 3-5 Frame : 100 x 100 sq. mm Frame Width : 1800-3000 mm Power : 35-60 HP	50	40
20.	Pneumatic Planter	Specifications: Model: NPP4 NPP6 Rows 4 6 Tractor Required 60-70 HP 90-100 HP Seed Metering Pneumatic Suctioned Vertical Rotating Seed Picking Disc. Fertilizer Metering Fluted Roller Type & Hitching Tractor mounted with 3 Point Linkage Frame Strong and Robust Row Space 24"	50	40



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		Standard & Adjustable Drive PTO Driven and Ground wheel Sowing Depth Adjustable (Depth Control Wheels are provided) Furrow Openers Shovels for sowing in tilled / prepared fields.			
21.	Thresher	Output Capacity - 1001 - 2000 kg/hr Power - 10-20 HP Speed - Upto 500 RPM Body Material - MS Automation Grade - Semi-Automatic Crop Type - Multi Crop		50	40
<b>C Minor Agriculture tools ( Mechanical)</b>					
1.	Mini Rice Mill	Production Capacity - upto 100 kg/hr Motor power - 1-3 HP Power Consumption - 2.2 - 3 KW Electricity Connection - Single Phase Operation Mode - Automatic Material of Construction - MS Power - 2 Kwh Warranty - 1 to 6 months Voltage - 220 V Electricity Connection - Single Phase Weight - 84kg with motor Operating Speed - 2880 rpm Material -		60	50
2.	Mini Dal Mill	Polishing Capacity - 101-400 Kg/Hr Automation Grade - Manual Pulses Type - Masoor, Toor, Chana, All Kinds, Moong Production Capacity - 0-0.5 Ton/Hour Motor Type - Single phase Power - 1-3 HP		60	50



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3.	Oil Mill with filter press (for all types of horticulture/ food grain/oilseed crops)	Machine Type - Cold Press Capacity - 20 Kg/Hr Power - 3 HP Operation Type - Semi-Automatic Voltage - 220V Material - MS Power Source - Electric Surface Finish - Color Coated Phase - Three Phase Motor Power - 4 HP Frequency - 50 Hz Corrosion Resistance - Yes		60	50
4.	Extractor (for all types of horticulture/ food grain/oil seed crops)	Extractor Capacity-1000L Motor Rating-5 Phase-3 Phase Material-SS Automation Grade-Semi-Automatic Usage/Application-Industrial Contact Parts Material-Stainless steel Frame Material-SS Voltage Supply-410 Weight-150kg Dimension-100X100X150		60	50
5.	Pomegranate Aril Extractor	Pomegranate aril extractor Capacity - 40-60 Tons Application - Industrial Material - SS Minimum Order Quantity - 1 Piece		60	50

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Una. Dist. Univ. HD

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6.		Dehydration unit/Pricking Machine/Humidifier (for all types of Horticulture/Food grain/oilseed crops)	<b>Dehydration unit</b> Automation Grade - Automatic Capacity - 450 Kg Power Consumption - 3KW Voltage - 240V No. of Tray- 6 Max Temperature - 240 degree celcius Phase -Single <b>Pricking machine</b> Phase -Single Voltage - 230V Frequency - 50/60 Workspace - 8 to 45 mm Dimension L x W x H (mm) - 290 x 150 x 330 Mass - 8 kg <b>Humidifier</b> Usage/Application - Industrial UseModel Type - MCS-UH-3.0 Material -FRP			60	50
7.		Packing Machines (for all types of horticulture/ food grain/oilseed crops)	Driven Type - Mechanical Machine Power - 1-2 HP Pouch Length - 2"-4" Frequency - 50 hz Voltage - 420 V Weight - 300 kg Filing Type - cup filler Size/Dimension - L-75 inchxH-85 inchxW-36 inch Material - Multi grain Seed			60	50



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Bidding / Quotation.....		Dated.....		
8.	All types of Boiler/Steamer / Drier (for all types of horticulture/ food grain/ oilseed crops)	<b>Boiler</b> Capacity - 100 ltr. Material - Stainless steel Automation Grade -Semi-Automatic Color - x Color Power - 200 V Weight - 80-90 kg. Voltage - 240 V Frequency - 50Hz Power Source - Electric Body Material - Stainless Steel <b>Steamer</b> Shape - Round Capacity - 15 L to 250 L With Lid Features - Quick Making Foods Finishing - Polished Automation Grade - Semi-Automatic Material - SS <b>Drier</b> Type - Batch Type Design - Electric Tray Type Capacity - 10 to 4000 kG Number of Trays - 1000 max	60	50
9.	All types of Washing Machines (for all types of horticulture/ food grain/ oilseed crops)	Loading Type - Front Loading Capacity - 50 Kg Water Consumption-65 L Voltage- AC 240 V Phase-Three Phase Frequency-60 Hz Inner & Outer Drum Body Material- 304 Stainless Steel Inside Basket-30x48 inch Outside Basket-36x53 inch Inlet Water Valve-1.5 inch Outlet Water Valve-2 inch Machine Size-36x80x48 inch Machine Weight-550 Kg Extractor Motor Power-2 HP	60	50



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10.	All types of Grinder/ Pulveriser/ Polisher (for all types of horticulture/ food grain/ oilseed crops)	Capacity - 50 Kg/h Usage/Application - Commercial Voltage - 220 V Material- SS Automation Grade - Semi-Automatic Motor - 2 Year Frequency - 3 HP Speed - 50 Hz Phase - Single Phase/3 Phase		60	50
11	All types of Cleaner- cum-Grader/Gradient separator/specific gravity separator (for all types of horticulture/ food grain/oilseed crops)	Cleaner-cum-Grader Usage/Application - Cleaning Type Of Machines - Cleaning Machine Capacity - 50-150 Kg Per Hr Weight - 75 Kg Material - Mild steel		50	40
12	All types of Power driven Dehusker/sheller/Thres her/Harvester / De- spiking/ Deconing Machine/ Peeler/ Splitter / Stripper (for all types of horticulture / food grains/oilseed crops)	Operation Mode - AutomaticElectricity Connection - Three PhaseMotor Power - 3 HPMaterial of Construction - MSPower -3 KwhCapacity -100 - 1000 kgs / hrModel -Single discUsage/Application -Sunflower seed, millet, paddy, etc....Voltage -400- 440 VDriven Type -electric motorFrequency -60 hzMachines Required -HuskerMaterial -Mild steel		60	50
D	<b>Other (Items supporting climate smart technology)</b>				
1.	Solar fencing	Composite Fencing integrated with G.I. Wire Mesh of 1.20 rn height and Solar Electric Fencing of 0.60m height for the perimeter length of 200 meters, Number of wire rows/strands 3 number, spacing between wire rows abve wire mesh (0.15+0.15+0.30), Pole to pole distance 5 meter, Total Pole height 9above + below Ground level ( 2.25 m) (1.80+.45)		70	70



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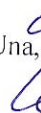
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2.	Plastic Mulch Laying Machine	Output Capacity - 1001 - 2000 kg/hr Power -10-20 HP Speed - Upto 500 RPM Body Material - MS Automation Grade - Semi-Automatic Crop Type - Multi Crop			50	40
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I/ We also confirm that the normal commercial warrantee/ guarantee \_\_\_\_\_ Months shall apply to the offered goods/ material

  
District Project Officer,  
Integrated Development Project, Una,  
Distt.Una (H.P.) 174303  
Dated..... 11/5/2025 

ndst. No..... 72-79.....

1. Copy is forwarded to APCCF-cum-Chief Project Director, IDP, Solan for information please
2. Copy forwarded to the following for information and wide publicity:
2. Chairman and Members of assessment of Indicative Price list
2. Project Website i.e.hpidp.org
3. Notice Boards O/o DPO, IDP, Una, APO Una and APO Thanaklaan, GPs,
4. APO Una and Thanakalan
5. All SEOs, FEOs, AEOs,
6. BDO Offices, GP Pardhan

  
District Project Officer,  
Integrated Development Project, Una,  
Distt.Una (H.P.) 174303  
DA 